

Art.9 of the Rules of Organisation and Operation of the National Authority for Management and Regulation in Communications, approved by Decision no. 156/01.02.2018 amended and completed by Decision no. 286/23.03.2018, Decision no.720/30.08.2018, Decision no.833/28.09.2018, Decision no.1119/18.12.2018, Decision no.104/30.01.2019 and Decision no.327/08.04.2019, provides the following:

"Art.9. – (1) ANCOM shall publish on its own website, no later than 30 April each year, a detailed report regarding its activity during the previous year."

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Legislation

ANCOM President's message

For the telecom market, 2018 was the year of mobile internet. The total traffic upsurged by 48% only in the first half of the year as compared to the previous period and the mobile internet monthly average traffic per inhabitant reached 2.3 GB.

This evolution was also prompted by the high-performance level of the Romanian networks - 85% of the 19.3 million mobile internet connections are today 3G or 4G high speed connections. These figures, truly spectacular, are the reflection of the role that communications have come to play in our lives. We can hardly imagine what a day without access to the telephone, internet or TV would look like, whether we are at home, at work or on vacation. In such context. the importance of the regulator's role is

growing and we, as representatives of the National Authority for Management and Regulation in Communications, are perfectly aware of this fact. Our objective and mine personally, as president of ANCOM, is to make sure that, due to the quality of our regulations, the market is free to develop dynamically and competitively, and the users benefit from the best services at affordable prices.

You will learn in this report about all the projects that our Authority carried out last year, of which I would like to pick and talk about two. First, the 98% campaign, a project of unprecedented magnitude for ANCOM and for the Romanian telecom market in general. My colleagues measured the coverage with voice services in all settlements on Romanian territory with more than 10 inhabitants. Facing sometimes very difficult access and weather conditions, they managed to measure more than 12,500 localities where more than 19 million of Romania's citizens reside. Their effort was considerable, and the outcomes of the campaign are presented in detail in this report.

The other project of high importance to us in 2018 and that will remain a priority in 2019 is the 5G auction, scheduled to take place at the end of the year. Together with the Ministry for Communications and Information Society and the other members of the inter-institutional working group specially established therefor, we elaborate the National Strategy on 5G for Romania and we are now preparing the ground for the selection procedure whereby we will award the radio spectrum usage rights. We intend to launch the procedure and designate the winners by the end of 2019, as the first half of the year will be dedicated to establishing the technical and administrative aspects of this process. The transition to 5G may be a huge opportunity for development, a true growth engine, with predictable effects in almost all socio-economic areas.

As regards the postal service market, we envisage, among others, the implementation of the provisions of the European Regulation on cross-border parcel delivery services. Further in 2019 we plan to issue a series of regulations to enhance the competitiveness of the communications market and intensify the actions of informing the telecom users.

Given that support measures in the IT & C sector are a very good investment to ensure the consistency and sustainability of Romania's economic growth, in the context in which we identified financial resources to do so, in 2018, we initiated a project which targets measures to support electronic communications and stimulate the business environment.

I initiated alongside the ANCOM team a legislative project meant to return part of the authority's budgetary excess to the profile industry to finance investments in telecom projects dedicated to the Romanian market. In 2019 we will resume the efforts to turn this project into reality.

Another important aspect for the Authority in 2018 was to carry out the necessary steps to obtain at government level the substantiation note on the necessity and the opportunity to purchase a new building destined for the ANCOM headquarters. Identifying the optimal solution for the good performance of ANCOM's activity will not only make the spending of public funds available to ANCOM more efficient but will also strengthen the administrative capacity of the Authority.

2018 was an important year for ANCOM both in terms of communication and international relations. I said from the beginning of my mandate that I will pay more attention to the endusers' information needs, so we have prepared and will launch in 2019 dedicated information campaigns. At the international level, we have achieved an important victory - a new term in the leadership of the International Telecommunication Union. Starting from this, I considered it appropriate and I proposed to organize the next ITU Plenipotentiary Conference in Romania in 2022. We have already gained an important experience in this field, which we will also use in 2019 to host major international telecommunication events. such as the FRATEL Plenary (the Frenchspeaking telecommunications regulators' network).

In the same register of improved cooperation at European and international level, we will support in 2019 the smooth running of the Romanian Presidency of the Council of the European Union.

We have therefore an intense year ahead of us, especially under the sign of new technologies and innovation. And we, the ANCOM people, are aiming to be as dynamic and open to new perspectives as is the field that we regulate.

ANCOM mission and objectives

The National Authority for Management and Regulation in Communications (ANCOM) is the institution that protects the interests of communications users in Romania, promoting competition in the communications market, ensuring the management of scarce resources and encouraging innovation and efficient investments in infrastructure.

Through its activity, ANCOM aims at ensuring that all the users in Romania benefit from quality communications services, at fair prices, and that the operators develop based on innovation, while the Authority's employees are trusted and respected, due to their professionalism, responsibility and integrity.

In 2018, the strategic objectives of ANCOM referred to enhancing

the availability of the electronic communications services for all the users, optimising the usage of the state's scarce resources in the electronic communications field, fostering competition in the electronic communications field and maximizing the benefits and the freedom of choice for the end-users.

Among the most important projects of 2018 there were the activities which concerned the actual enforcement of the provisions under the infrastructure law, in order to reduce the costs with the installation of the electronic communications networks in Romania: the elaboration of the decision setting out the tariffs for the right of access on the public property, the measures required to make the national inventory

of public electronic communications networks and of associated physical infrastructure elements, as well as enhancing the collaboration with other institutions for the elaboration of the technical rules concerning the design and installation of the physical infrastructures and of the electronic communications networks.

In 2018, ANCOM also focused on elaborating a national position on the granting of radio spectrum rights in the 700 MHz, 800 MHz, 1500 MHz, 2600 MHz, 3400-3600 MHz and 26 GHz frequency bands for broadband mobile communications systems, including for the implementation of next generation systems (5G). This action is aimed at achieving the targets of the European Digital Agenda on access to broadband

communications services by 2020, as well as the objectives of the "Action plan: 5G for Europe" on the coordinated introduction of 5G networks in the Union.

For 2018, ANCOM also began to review the cost calculation model for the fixed call termination rates. In order to increase the competitiveness of the access to communications networks, ANCOM reviewed in 2018 the relevant markets of the services of leased linesterminating segments and switched transit of calls on public telephony networks and elaborated the decision on the technical requirements for the IP interconnection for voice services.

In addition to the signal coverage campaigns and the surveillance of the effective use of frequency spectrum, annually conducted, ANCOM had in its action plan a control campaign to verify how providers of publicly available electronic communications services include certain information in the contracts concluded with the consumers.

In the postal sector, the Authority assessed the need to designate one or several universal service providers, since the period in which the National Company Romanian Post S.A. had this capacity was due to expire. Another project dedicated to this market referred to the verification of the request to compensate the net cost for 2017.

Romania Strategy

The 5G for Romania Strategy

The national strategy for the implementation of 5G in Romania was one of ANCOM's most prominent projects in 2018. The document was drafted within an inter-institutional working group set up by Government Memorandum, a group in which ANCOM ensured the technical secretariat and worked alongside the Ministry of Communications and Information Society and 17 other public institutions (ministries, regulatory authorities, members of the national defence. public order and national security system). The Draft 5G for Romania Strategy was under public consultation between 21 November - 21 December. the consultation being launched during

ANCOM's international conference entitled "5G - to Fuel the Fourth Industrial Revolution".

The consultation ended on 21 December 2018, while the comments and suggestions were integrated in the document in early 2019.

The inter-institutional working group proposed the adoption of the Strategy by Government Decision, a document pending endorsement by the relevant entities in April 2019.

The 5G Strategy proposes 4 **strategic objectives**:

- timely launch of services (in 2020) - an objective set at EU level by the 5G for Europe Action Plan, which provides that every Member State will identify at least one major city to be "5G-enabled" by the end of 2020. Following the public consultation, the flagship cities for the commercial 5G services launch in Romania in 2020 have been identified: Cluj-Napoca, Iași and Timisoara - a European Capital of Culture in 2021. For this purpose, with a view to facilitating the deployment of 5G networks. Romania will make available additional frequency spectrum resources, harmonized at European and global levels, during 2019.
- early reaping the 5G benefits by the citizens and the industry (by incentivizing 5G coverage in functional urban centres, along the main transport paths and in industrial parks). Thus, the draft

Strategy proposes that - by 2025 - 5G services should be available in all urban centres and along the transport corridors between them (highways, expressways and modern railways), as well as in international airports and ports, while coverage for M2M communications should be ensured in the top 10 industrial parks in Romania.

- unlocking bottlenecks to 5G deployment, by applying coordinated approaches on:
 - ensuring an optimal mix of spectrum resources for the efficient long-term development of 5G networks, under secure investment conditions;
 - ensuring optimal (technical, competition and security)
 mechanisms for network peering;
- fostering service take-up and reducing (tariff and non-tariff related) barriers for access to existing physical infrastructure that can be used by communications networks;
- reducing bureaucratic bottlenecks for rolling out physical infrastructure, required for supporting communications networks;
- designing, authorizing and executing construction works for roads, motorways and railways with in-built infrastructure facilities for 5G network deployment;
- designing and applying a favourable regime for the installation and use

Cuvânt înainte al edintelui ANCOM

objectives

The 5G for Romania Strategy

Electronic

Postal services resources

Limited

International

Legislation

Disputes in court

Financial data

Public procurement **Priorities** for 2019

Terms and

Contact

of pico-cells/small cells, including for their fiber-optic connection with backhaul networks.

- promote new uses and foster cooperation - two strategic objectives that bring about important social and economic benefits while sustaining medium-term 5G growth. Furthermore, 5G's success depends on achieving economies on a larger scale than available in the Romanian market. Therefore, the Strategy proposes applying concerted measures aimed at:
 - stimulating cross-sectoral cooperation for the 5G technological progress to permeate, the whole ecosystem, through the establishment of forums for dialogue, exchange of experience, R&D and testing, which allows for the progress achieved in the Union to be capitalized and enhances the competitive or comparative advantages in the Romanian economic sectors and social life:
 - actively supporting the European and international technical standardization processes in communications or in other economic sectors affected by the 5G, as well as the European harmonization of the use of radio frequencies:
 - carrying out Romania's intentions to test and trial self-driving and

connected vehicles on a large scale in our country¹, including by joining or initiating a European 5G corridor across one of the national borders2;

- facilitating pro-competitive collaboration between the providers of physical infrastructure in different sectors, to increase the efficiency of its usage:
- the participation of Romanian organizations in the testing and validation of pan-European 5G performance and uses, which should foster the matching of demand for solutions with the technology-based offer in the synergy of the single internal market.

The technical infrastructure and the network coverage, competitive prices and responsible cooperation between private entities and (central and local) public authorities are the main ingredients for the achievement of the above-mentioned objectives, therefore the 5G Strategy provides **5 key areas for** action:

- ensuring optimal spectrum for 5G,
- creating an attractive environment for the deployment of 5G using physical infrastructures,
- adopting a favourable legislative framework,
- fostering partnerships for testing and validating 5G uses (including 7 proposed pilot projects - one for

- each development region outside Bucharest),
- harnessing 5G for public safety and security.

With a view to achieving the strategic objectives and to implementing the key areas for action, the 5G Strategy proposes a 24-item action plan involving various sectors, to be carried out during 2019 - 2025.

In the long run, 5G networks will provide connectivity support to the communities, businesses, and homes of the future; actually, 5G and the Internet of Things (IoT) will be able to bring about innovation, productivity benefits or competitive advantages in all the economic sectors and aspects of social life: 4.0 industries, self-driving vehicles and intelligent transport systems, energy grids and utility networks, banks and insurance, health, education, emergency and security services etc.

The 5G capital gains will spark a genuine industrial and societal revolution and will give Romania a great opportunity to bridge the development gaps. According to some surveys, the implementation of 5G in Romania can generate additional revenues of more than 4.7 billion euros in the first 5 years, can create over 250 thousand jobs and can generate growth in the turnover of intelligent industries from 3.7 billion dollars in 2020 to 9 billion dollars in 2026.

The benefits from capitalizing 5G performance will be achievable on multiple levels:

- direct benefits of 5G service users. derived from their access to improved products and services (in terms of costs, quality, experience, safety etc.);
- strategic benefits of vertical industries, due to the better quality of information on the production chain, internal operations, market characteristics, segmentation, consumer habits etc., obtained due to the use of 5G facilities:
- operational benefits and increased productivity of vertical industries, generally due to the real-time use of information on internal operations:
- advanced data processing techniques enabled by 5G also bring benefits for adjacent or third-party sectors apart from the one where the data have been collected - e.g. improved provision of public services or enhanced security, based on the traffic management data collected;
- increasing productivity and creating **new jobs** - e.g. extrapolating for Romania the results of a study on 5G for Smart Cities in the United States³, in a city the size of Bucharest. approximately 50,000 new jobs could be created, 10,000 in cities like Cluj or lasi, and about 400 in Lugoj;
- launching new business models. enabled by the use of the differentiating capabilities of 5G.

¹ http://ec.europa.eu/newsroom/dae/document.cfm?doc_id=43821

² see the list of European 5G corridors, https://ec.europa.eu/digital-single-market/en/cross-border-corridors-connected-and-automated-mobility-cam

³ How 5G Can Help Municipalities Become Vibrant Smart Cities https://www.accenture.com/t20170222T202102Z w /us-en/ acnmedia/PDF-43/Accenture-5G-Municipalities-Become-Smart-Cities.pdf%23zoom=50

Cuvânt înainte al președintelui ANCOM

Mission and objectives

Electronic

The 5G for

Romania

Strategy

Postal services

Limited resources

ontrol activities and surveillance f the equipment

ommunication

International relations

Enhancing institutional capacity and developing

utional ity and Legislation loping Disputes in court

Financial data

Public procurement

Priorities for 2019 Terms and abbreviations

Contact

For example, the 5G effects on production are expected from two perspectives: in increasing the efficiency of manufacturing and distributing existing goods and services (e.g. mobile technologies allow better, easier access for consumers to entertainment or for the business environment to high-quality information), and in the efficiency gains from new products and services that become available compared to the products and services they replace (e.g. the production and use of connected and self-driving vehicles can make it easier to use transport infrastructure by reducing congestion and improving navigation, transfer times etc.).

A survey conducted during October-December 2018, ordered by ANCOM, reveals that one third of the respondents are familiar with the 5G concept, most of them aged from 16 to 45. Once with the deployment of 5G in Romania, 47% of the respondents expect better national coverage, 31% anticipate higher download/upload speeds and 26% hope for fewer connection errors.

As for IoT, 22% of the respondents heard of this concept. From the perceived **benefits** perspective, comfort is deemed as the main benefit that IoT can bring about (by 42% of the respondents), personal and family safety is appreciated by 33% of the respondents, while 20% value activity automatization and 17% household consumption optimization. On the other hand, the respondents consider that the most important **challenges** rising once with the uptake of IoT are the theft or loss of personal data (35% of the respondents), the high costs of IoT devices (34%) and the breach of data privacy (25%).

Electronic communications

4.1 Electronic communications service market

4.1.1 General authorisation

In Romania, electronic communications networks and services can be provided under the general authorisation regime adopted through ANCOM President's Decision no. 987/2012 on the general authorisation regime for the provision of electronic communications networks and services.

961 providers

of electronic communications networks and services

On 31 December 2018, the **Public Record of Electronic Communications Providers** indicated 961 providers of public electronic communications networks or of publicly available electronic communications services, by 2.5% less compared to the number registered in 2017.

Thus, in 2018, the number of public electronic communications networks providers decreased by 3.2%, the number of persons authorised to provide publicly available electronic communications services diminished by 4.8%, while the number of providers authorised to offer internet access services went down 4%, compared to 2017.

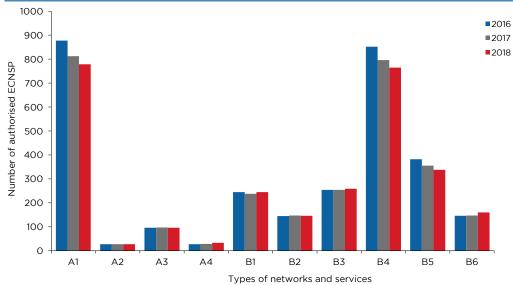
These downward dynamics reflect a steeper evolution of the general trend - as witnessed in the recent years - of consolidating and strengthening the electronic communications market in Romania.

The registered decline was partially (12%) determined by the cessation of commercial activity in the Trade Registry of some of the entities authorised to provide public electronic communications networks or publicly available electronic communications services.

Postal

Legislation in court data

Exhibit 4.1 Evolution of the number of providers, by types of public electronic communications networks and, respectively, of publicly available electronic communications services provided



Types of electronic communications networks and services

A1 Public teri mobility	restrial networks with access at a fixed location or with limited
A2 Public cel	llular mobile radio networks
A3 Public aco	cess mobile radio networks
A4 Satellite a	access public networks
B1 Publicly av	vailable telephone services
B2 Leased lir	ne services
B3 Data trans	smission services
B4 Internet a	access services
B5 Retransm	ission of linear audio-visual media programmes to the end-users
B6 Other ele	ctronic communications services

4.1.2 Statistical data

4.1.2.1 Fixed and mobile internet

The data processed by the Authority for 2018 show that the total number of fixed internet connections in Romania reached 5.1 million, increasing by 7% compared to the previous year.

The penetration rate of fixed internet per 100 households was 62% at national level, respectively 74% in urban areas and 46% in rural areas. The gap between urban and rural areas kept narrowing: the number of fixed internet connections in rural areas reached 1.6 million, rising 13% compared to 2017, whereas in urban areas, the penetration rate increased by 4% y.o.y.

At national level, the share of high-speed connections (at least 100Mbps) reached 69%, mainly due to the roll-out of fiber optic networks, which are getting ever closer to the end-user. Moreover, 60% of the fixed internet connections were achieved over FTTH or FTTB.

In 2018, the total fixed internet traffic reached 5.9 million TB (+15%), therefore the average monthly fixed internet traffic per inhabitant was 25 GB, increasing by 15% compared to the previous year.

Based on the number of fixed internet connections at the end of 2018, the market leader held 51% market share. the second largest provider 23%, the next one 12%, whereas the rest of the providers totalled 14%.

The data processed by ANCOM show that the total number of 3G/4G connections reached 17.2 million by end-2018, while the penetration rate per 100 inhabitants was 88%. Considering also 2G mobile connections, the penetration rate of mobile internet provided via 2G/3G/4G connections, per 100 inhabitants, was 102%, at end-2018.

The data processed by ANCOM for the vear 2018 show that the number of 4G connections was 10.1 million at the end of the year, increasing by 27%, so that they reached more than half (51 %) of all the mobile internet connections.

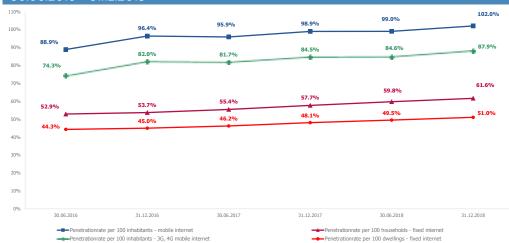
The total mobile internet traffic doubled in 2018, compared to 2017, reaching 616 PB, i.e. the average monthly mobile internet traffic per inhabitant reached 2.6 GB.

Based on the total number of active mobile internet connections, the market leader held a market share of 40%, the second largest provider 25%, the next one 19%, while the rest of the providers totalled 15%.

Limited

resources





4.1.2.2 Fixed and mobile telephony

The fixed telephony market keeps the downward trend, in terms of both number of access lines (-6%, reaching 3.7 million) and number of subscribers (-7%, reaching 3.1 million). At end-2018, the fixed telephony penetration rate per 100 households was 39%.

The average monthly voice traffic per capita continued to decline, reaching 10 minutes, while a call lasted for 2 minutes and 51 seconds, on average.

Based on the number of fixed telephony subscribers, the market leader held a market share of 43%, the second largest provider 36%, the next one 16%, and the other providers 6%.

In 2018, there were **22.7 million active users** of mobile telephony (+1%), of which 12.7 million (+5%) were postpaid users

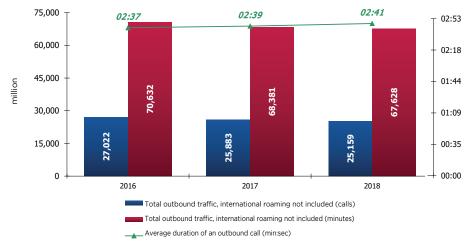
and 9.9 million (-4%) were active prepaid users.

Based on the number of active SIM cards as of the end 2018, the market leader held a market share of 39%, the second largest provider 30%, the next one 18%, and the other providers 13%.

In mobile telephony networks the total voice traffic (international roaming not included) reached 68 billion minutes. 55% of this traffic was on-net traffic and 37% - off-net mobile traffic. In 2018, on average, an inhabitant initiated voice calls totalling 4 hours and 49 minutes per month and sent 57 SMS. The average duration of a call was 2 minutes and 41 seconds.

In 2018, the total number of SMS messages kept decreasing, by 14% compared to 2017, to **13.3 billion messages,** most probably because of

Exhibit 4.3 Dynamics of the voice traffic volume achieved over mobile networks (international roaming not included) and average duration of a call (min:sec), 2016 - 2018

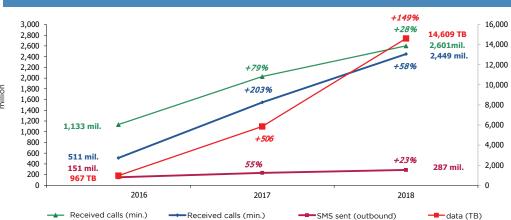


the increasing use of instant messaging applications.

Following the application of the Roaming Regulation, roaming services usage intensified in 2018. Thus, compared to

2017, the traffic of made calls almost increased by 58%, amounting to 2.4 billion minutes, while the traffic of received calls amounted to 2.6 billion minutes (+28%), while data **traffic increased by 149%**, to almost **15,000**

Exhibit. 4.4 Dynamics of the international roaming outbound traffic volume during 2016 – 2018



TB. SMS traffic increased by 23% in 2018, reaching 287 million messages sent.

The 5G for

4.1.2.3 TV Retransmission

The number of subscribers to pay TV programme retransmission services increased by 3% in 2018, reaching 7.64 million. Thus, the penetration rate of

these services per 100 households had reached 102% by end-2018.

Considering the support used, 5.27 million users subscribed to cable networks (+6%), 2.23 million received DTH satellite TV retransmission services (-5%), and 0.14 million used IPTV services (+13%). Considering the number of subscribers on 31 Decembere 2018, the TV market leader held a market share of 49%, the second largest provider 19%, the next one 17%, whereas the other providers accounted for 14%.

In urban areas, the users receive TV services mainly on cable networks (83%), while in the rural area the users

receive these services mainly on DTH satellite networks (50%) and on cable networks (49%).

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The number of subscribers to TV retransmission services received in digital format increased by 4%, reaching 4.9 million at end-2018. For the first time, the number of subscribers to digital cable networks (2.53 million) exceeded the number of subscribers to DTH networks (2.22 million).

4.1.2.4 Multiple electronic communications services

The number of users that benefit from multiple electronic communications services from one provider (2-play, 3-play, 4-play, and 5-play) rose by approximately 4% in 2018, reaching 5.1 million on 31 December 2018.

4.1.2.5 Revenues

The revenues from the provision of electronic communications services amounted to RON 16.1 billion in 2018 (+1.3%). The revenue generated by the

provision of fixed and mobile internet services grew by 12% in this period and accounted for 30% of the total market revenue. Despite the 3% decline in the revenue from mobile telephony services, this revenue segment still held the highest share i.e. 40% in the total revenues, while the revenues from TV programme retransmission services stand for 13% of the total market and revenues from fixed telephony account for 9% of the total market.

Legislation

The total revenue from this market amounted to approximately EUR 3.5 billion (-0.6%) in 2018.

The average monthly revenue per capita in the telecom sector was RON 69 in 2018, increasing by 2% compared to 2017.

4.2 Regulating relevant markets in the electronic communications sector

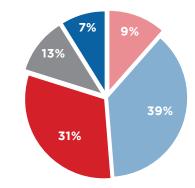
4.2.1 Review of mobile termination rates

In 2018, ANCOM decided to cut down the rates for call termination on mobile networks by 12.5%, from 0.96 eurocents/ minute to 0.84 eurocents/minute, starting from 1 May 2018.

This level was determined by European benchmarking, as the average of the mobile termination rates established in the Member States of the European Union based on a pure LRIC costing model, as recommended by the European Commission for the process of regulating call termination rates.

The measures adopted by the Authority were duly notified to the European Commission and to the Body of European Regulators for Electronic Communications (BEREC), as well as to the other national regulatory authorities in the European Union Member States. The European Commission examined the proposed measures and had no comments¹.

Exhibit.4.6 Structure of the revenues from the provision of electronic communications networks and services in H2 2018



- Fixed telephony
- Mobile telephony
- Fixed and mobile internet
- ■TV Retransmission
- Other types of networks and/or services, value added services, leased lines, data transmissions, etc.





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4.2.2 Identifying and regulating the harmonised technical conditions on IP interconnection for providing fixed and mobile call termination services on public telephony networks and on regulating the tariffs corresponding to IP interconnection-related services

In 2018, the Authority adopted a set of measures identifying and regulating the harmonised technical conditions on IP interconnection for providing fixed and mobile call termination services on public telephony networks and regulating the tariffs corresponding to IP interconnection-related services. According to the measures proposed by ANCOM, fixed and mobile telephony providers designated as having significant market power in the markets for call termination at fixed and. respectively, at mobile locations, have the obligation to publish information on the conditions under which they offer such interconnection services, on their websites, no later than 1 April 2019.

Other obligations concern the granting of access and the use of specific network elements and associated infrastructure, and the application of equivalent interconnection conditions under equivalent circumstances to all entities requesting or already benefiting from interconnection, from 1 May 2019.

Moreover, the Authority set the maximum tariffs that operators may charge for the provision of the collocation service, starting from 1 January 2019, i.e. EUR 9.47/rack unit if a standard rack is used in a building where the beneficiaries equipment can be collocated, and EUR 15/m² if an operator intends to rent only usable area in a collocation facility situated in urban areas.

IP interconnection obligations will be applicable to the 36 fixed telephony providers and to the 5 mobile telephony providers identified in 2017 as having significant power on the fixed call termination market, respectively on the mobile call termination market. The list of providers within the scope of the proposed regulatory measures is available, in Romanian, here.

According to the legislation in force, ANCOM's draft set of measures was submitted to European consultation, as it was sent to the European Commission, to BEREC and to the fellow authorities in the other EU Member States.

Having received no suggestions from the European Commission concerning the proposed measures², ANCOM - in accordance with the provisions of Article 97(2) of the Government Emergency Ordinance no. 111/2011 - adopted the respective regulatory measures.

4.2.3 Review of the relevant market for high-quality access services provided at a fixed location

In 2018, the Authority also launched for public consultation and adopted the Decision reviewing the market of leased lines-terminating segments enabling up to (including) 2Mbps – identified according to the analysis conducted in 2010. This market corresponds to the wholesale market for high-quality access services provided at a fixed location (market no. 4 of the Annex to Commission Recommendation 2014/710/EU³).

Wholesale high-quality access provided at a fixed location refers to both leased line-terminating segments services – irrespective of the transmission capacity and of the technologies, protocols or interfaces used – and to dedicated, transparent and symmetric access-terminating segments for the provision of virtual private networks (VPN).

With a view to determining the relevant market and to assessing the competition status, as well as with a view to setting the adequate ex ante regulations, ANCOM analysed a series of relevant indicators (economic, technical, statistical) and criteria, which showed that there were no providers with significant power in the market of high-quality access services provided

¹ See EC Decision C(2018) 1981, avaiable, in Romanian, at the following link: https://circabc.europa.eu/ui/group/2328c58f-1fed-4402-a6cc-0f0237699dc3/library/9cc74967-42c3-4301-8ff7-c666b537d713/details

² See the EC Decision C(2018) 8810, available, in Romanian, at the following link: https://circabc.europa.eu/ui/group/2328c58f-1fed-4402-a6cc-0f0237699dc3/library/11d4f650-c59f-4f28-9984-296d8dd51b79/details

² See the EC Decision (2016) 8610, available, in Romanian, at the following link: https://circabc.europa.eu/un/group/25280561-180-4402-8600-96005/100459/100

data

at a fixed location, while beneficiaries of incumbent interface access services enabling up to (including) 2Mbps regulated at the moment of the analysis - had access to alternative solutions on the market.

In this context, and after consulting the European Commission, ANCOM decided to withdraw the obligations imposed on Telekom Romania Communications S.A. in the market of leased lines terminating segments enabling up to (including) 2Mbps, starting from 27 August 2018.

Furthermore, in order to ensure a transitional period, ANCOM's Decision provides maintaining - until 27 August 2019 - Telekom Romania Communications' obligations in relation to the current beneficiaries of the regulated leased line services. Telekom Romania Communications' separate accounting obligation concerning leased line services has been withdrawn starting with the financial year 2018.

4.2.4 Review of the number portability tariffs charged between operators

ANCOM proposed for public consultation and adopted a decision to lower the tariffs that the acceptor supplier owes to the donor provider for each ported number.

ANCOM considered it relevant that the maximum level of the porting fees should be set, based on a benchmark analysis, as a weighted average in relation to the number of active fixed telephone lines, for porting fixed

numbers, respectively to the number of SIM cards, for porting mobile numbers, as of 1 July 2017.

Thus, the tariff for **porting geographic** numbers, location-independent numbers and non-geographic numbers, other than those for publicly available electronic communications services provided at mobile locations was set at **EUR 4.64** per ported number, down from EUR 7.8. The level of this tariff was determined based on benchmarking, as the average of wholesale number porting tariffs charged in Austria, Bulgaria, the Czech Republic, Cyprus, Greece, Ireland, Latvia, Macedonia, the Netherlands, Poland, Portugal, Serbia, Slovakia, Spain and Turkey, weighted by the number of active fixed telephony lines as of 1 July 2017.

The tariff for porting non-geographic numbers for publicly available electronic communications services provided at mobile locations was set at **EUR 2.13** per ported number, down from EUR 5.6. The level of this tariff was determined based on benchmarking as the average of the wholesale porting tariffs charged in Bulgaria, the Czech Republic, Cyprus, France, Greece, Ireland, Latvia, Macedonia, Malta, Portugal, Serbia, Slovakia and Turkey, weighted by the number of active SIM cards active on 1 July 2017.

ANCOM has set the maximum level of porting fees by means of the benchmarking method, based on information collected from 31 of the 37 member states in the Independent Regulators Group (IRG).

4.2.5 Implementing "Roam like at home"

On 15 June 2018, Romania had been implementing the European charging system "Roam like at home" (RLAH), for a year. The purpose of this Regulation is to enable the users to benefit - within the limits of fair use - from roaming services within the European Economic Area (EEA, the EU Member States plus Norway, Iceland and Liechtenstein) at domestic tariffs.

Thus, once the roaming service has been activated, the basic principle of RLAH provides that all the resources allowed in a user's domestic tariff plan (including add-ons and bonuses) are also available while roaming in the EU/EEA.

RLAH is applicable only to occasional **trips** outside the country where the communications service has been purchased.

According to European regulations, starting from 15 June 2017, within the limits of a fair use policy, calls (minutes) made and SMS sent while roaming to any destination in the EU/EEA (including to all the telephone numbers in Romania) will be deducted from the included domestic minutes and SMS, up to the consumption of such allowance. After the consumption of this allowance, the tariffs applicable in Romania, for off-net traffic, will be charged. Calls and SMS received in EU/EEA roaming are free of charge.

Starting from 1 January 2018, following the decrease in the regulated wholesale tariff, the data volume (MB/GB) that can be consumed while roaming in the EU/ SEE without incurring any surcharges increased, for most of the tariff plans.

Furthermore, if a user exceeds the limits for the fair use of roaming services in the EU/EEA (FUP limits), the surcharges that could be levied for subsequent consumption went down as follows:

- from 1 January 2018, the data surcharge dropped by 22%, from EUR 7.7 to EUR 6/GB. This surcharge will keep going down every year, until 2022;
- from 3 January 2018, the surcharge for calls received decreased by approximately 16%, from 1.08 to 0.91 eurocents/minute.

To prevent abusive or abnormal use of roaming in the EU/EEA, i.e. use for purposes other than for occasional travels outside Romania - e.g. the permanent use of roaming services in the EU/EEA - any provider may define within certain limits provided by European law i.e. a fair use policy (FUP) for this service. Users who exceed the fair use policy limits while roaming in the EU/EEA may incur certain surcharges, in addition to national rates.

In order to help users estimate the fair use policy limit for the data they can consume while roaming in EU/ EEA, ANCOM has developed a widget application available on the ANCOM website, here. The app offers relevant results for all the users of roaming-

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enabled tariff plans, excepting those of RCS&RDS S.A. This operator has been authorised - in accordance with the European legislation - to levy surcharges from the first consumption unit.

Furthermore, for informing the users in Romania about the roaming usage rules and charges, the Authority has created a "Roam like at home" section on its website.

ANCOM has permanently monitored and conducted punctual investigations

- upon receiving users' complanints
- on how telephony operators in the Romanian market apply the European provisions of the Roam like at home regulation, sanctioning the infringements by fine and imposing clear remedy terms. Thus, for failure to notify the users on the amendment of the contract clauses (i.e. of the General Terms and Conditions for the use of prepaid cards) regarding the provision of the roaming service, Vodafone Romania S.A. was sanctioned by RON 30,000 fine, the operator remedying the respective problems within the 90-day term. ANCOM also fined Orange România S.A. and Vodafone Romania S.A. RON 50.000 each for failure to stipulate the fair use policy in the contracts concluded with the users of subscription-based mobile services. Vodafone was also sanctioned with a fine of RON 50.000 for not introducing the fair use policy in the General Terms and Conditions of use for prepaid cards.

Since the entry into force of "Roam like at home", the Authority has received almost 300 complaints from users of

electronic communications services in Romania regarding the enforcement of this regulation. Approximately 100 of these complaints concerned the lack of information on the introduction of a fair use policy in contracts, 90 concerned the application of the fair use policy, and 57 concerned the launching of offers without included roaming services. Other users complained about the fact that they had not been warned that they were to incur roaming surcharges and about the lack of information on how the fair use policy applied.

4.2.6 Quality indicators for the internet access service

Starting from 1 May 2018, the provisions regarding the technical quality parameters in the ANCOM President's Decision no.1112/2017 setting out the quality indicators for the provision of the internet access service and publishing the corresponding parameters, for fixed and mobile internet providers, entered into force.

Thus, from that date on, the providers must include in the contracts the values of the technical quality parameters corresponding to the provision of the internet access service, as defined by ANCOM:

- For the fixed internet access service:
 - minimum data transfer rate:
 - commonly available transfer rate;
 - best effort transfer rate;
 - advertised data transfer rate (the one a provider uses in its commercial messages).

- For the mobile internet access service:
 - estimated best effort data transfer rate:
 - advertised data transfer rate.

With a view to ensuring the quality assessment for the provided service, the technical quality indicators information must be accompanied by the following:

- description of the conditions for achieving the respective rates
- minimum data transfer rate; commonly available transfer rate; advertised data transfer rate best effort transfer rate - for the fixed internet access service:
- description of the methodology for calculating the estimated best effort data transfer rate and the driving factors for achieving the estimated best effort data transfer rate, for the mobile internet access service.

The decision applies to all the providers of internet access services supplied by means of the public electronic communication networks, irrespective of the support used.

Starting from 1 May 2018, the users' data traffic to and from Netograf.ro will not be charged, deducted from the resources included in the tariff plan. limited or blocked by the providers. Where substantial difference is revealed. on a permanent or on a regular basis, between the actual speed and the performance of the internet access service stipulated in the contract. the users may benefit from certain compensatory damages provided in the contract.

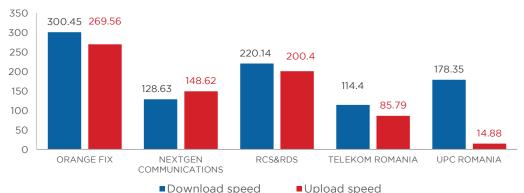
The providers also have the obligation to post - on the home page of their own website, in an easily visible spot - a direct link, bearing an adequate name, to



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the app made available to the ANCOM end-users.

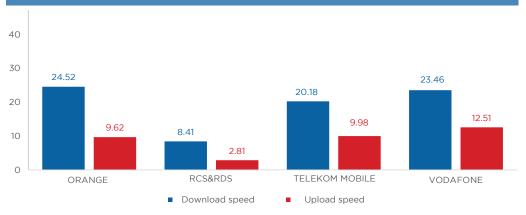
Moreover, in 2018, the Authority published the Report on the quality of the internet access service in 2017 technical and administrative parameters. According to this report, the tests performed on Netograf.ro show that, in 2017, the average download and upload speeds for fixed internet increased by 18% compared to 2016.

Thus, the average download speed wired and 61.26 Mbps for wireless connections).

The tests carried out on Netograf ndicate that - in 2017 - the average download and upload speeds on the mobile internet reached 20.44 Mbps. respectively 9.08 Mbps at national level.

- reached 112.1 Mbps (186.6 Mbps for

Exhibit 4.8 Average speeds per fixed service provider, in 2017 - wireless connections (Mbps)



- In 2017, the mobile internet service. providers in Romania repaired faults reported by the users within 28 hours on average, up from the 2016 average of 21 hours, whereas the average fixed internet fault repair time dropped from 54 hours in 2016, to an average of 53 hours in 2017.
- Apart from the technical quality indicators, the Authority monitors the quality of the fixed and mobile internet access service offered by the providers in Romania also by means of the following administrative quality indicators:
- service provision term;
- fault repair term:
- frequency of user complaints;
- frequency of troubleshooting complaints:
- frequency of billing complaints;
- complaint settlement term (regarding) complaints other than fault-related).

4.2.7 Security and integrity of electronic communications networks and services

According to the report developed and published by ANCOM in 2018, 334 incidents with significant impact affected the security and integrity of the Romanian electronic communications networks and services in 2017, 20% more than in the previous year. The total number of affected connections exceeded 10 million, by 2 million less than in 2016.

Services affected by incidents in 2017:

- mobile telephony 6.1 million connections
- mobile internet 3 million connections
- fixed telephony 1 million connections
- fixed internet approximately 1 million connections
- audiovisual programme retransmission - about 250 thousand connections

8 hours and 49 minutes

average duration of an incident in 2017

According to the data reported by the providers, last year, one incident with significant impact on the security and integrity of electronic communications networks and services affected - on average - 29,755 connections, 38% less compared to 2016 (when an average of 47,859 connections were affected by one incident). The average duration of a significant incident was approximately 8 hours and 49 minutes, whereas the total duration of security incidents reported for 2017 was 2,945 hours (more than twice as much as in 2016). The largest number of security incidents occurred in Constanta county (40 incidents). followed by the counties of Vaslui

(35 incidents), Timis and Buzau (32, respectively 31 incidents).

Most of the incidents (73%) were caused by external factors (e.g. power outage or accidental sectioning of the fibre optic etc.), 15% of the incidents occurred due to system errors (software or hardware), and 9% due to natural phenomena (e.g. heavy snow and storms affecting various pieces of equipment).

In March 2018, the Romanian electronic communications market witnessed the security incident with the highest impact so far, which affected the users of Telekom Romania Mobile Communications S.A. Having analysed the conditions under which the incident took place, ANCOM sanctioned Telekom Romania Mobile Communications by two fines amounting to RON 1.100.000 for failure to comply with the obligation, stipulated in their licence for the use of radio frequencies, to ensure that network unavailability does not exceed 35 minutes within a period of 6 months and, respectively, for failure to comply with the obligation to keep network logs at the granularity level required by the License.

4.2.8 Universal service in the electronic communications field

The universal service in the electronic communications field is the right of every European citizen to have access to a minimum set of electronic communications services, made available upon request, at affordable prices and at a certain quality level, irrespective of their geographic location on the territory of an EU Member State. In order to ensure this right to all the EU citizens, the Member States must intervene where access to the minimum set of communications services is not ensured by the market mechanisms.

To this end, in Romania, a Universal Service Fund has been established starting from 2004. It was mainly used for the universal service implementation by means of telecentres (public spaces provided with a telephone and facsimile, as well as a computer connected to the internet), where the population in remote localities could use electronic communications services, as well as for granting subventions to fixed telephony subscribers and for a series of facilities applicable to certain disadvantaged categories of subscribers in case of failure to pay the telephone bill



Since 2007, ANCOM has not issued any more imposition decisions on collecting financial contributions from the providers of public electronic communications networks and from the providers of publicly available telephone services, who had no longer the obligation to contribute to this fund. ANCOM manages the financial resources of the Universal Service Fund, highlighting them distinctly within its income and expenditure budget.

Table 4.1 The provisions of the ANCOM budget on the amounts collected for the Universal Service Fund

Year	Amount in the budget (RON)		
2004	57,941,000		
2005	32,010,000		
2006	39,100,000		
2007	0		
2008	0		
2009	0		
2010	0		
2011	1,000,000		
2012	875,000		
2013	0		
2014	300,000		
2015	200,000		
2016	1,000		
2017	1,000		
2018	1,000		

Table 4.2 Total amount of the Universal Service Fund based on the imposition decisions issued by ANCOM

Year	Amount, pursuant to imposition decisions (Lei)				
2004	59,704,957*				
2005	25,899,285				
2006	30,804,478				
2007	0				
2008	О				
2009	0				
2010	0				
2011	0				
2012	0				
2013	0				
2014	0				
2015	0				
2016	0				
2017	0				
2018	0				
TOTAL	116,408,720				

*For 2004, the initial amount was 60,092,948 lei and was diminished by 387,991.00 lei by decision of the High Court of Cassation and Justice No.5572/22.11.2005.

Table 4.3 Total amount of payments received to the Universal Service Fund

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Veer	Amount received (Lei)			
Year	Current year	Previous years		
2004	48,321,030.80	0		
2005	19,898,996.00	2,509,855.80		
2006	30,155,416.50	12,052,224.29		
2007	0	669,975.68		
2008	0	108,133.49		
2009	0	179,106.00		
2010	0	214,301.32		
2011	0	1,075,951.14		
2012	0	562,116.34		
2013	0	270,291.60		
2014	0	210,000.00		
2015	0	1,831,304.20**		
2016	0	0		
2017	0	0		
2018	0	0		
TOTAL	98,375,443.30	19,683,259.86		

^{**} This amount consists of penalties for delayed payment - by Telecomunicații C.F.R. S.A. - of the amounts specified in the imposition decisions issued in 2004 (916,298.20 lei), 2005 (413,381.00 lei) and 2006 (501,625.00 lei).

Table 4.4 Amounts paid from the Universal Service Fund

Year	Amount paid (Lei)		
2004	0,00		
2005	20,726,730.00		
2006	8,184,683.45		
2007	6,100,960.28		
2008	1,723,677.24		
2009	12,340,672.17		
2010	988,979.58		
2011	975,238.39		
2012	650,845.93		
2013	0		
2014	0		
2015	0		
2016	0		
2017	0		
2018	0		
TOTAL	51,691,787.04		

Table 4.5 Beneficiaries of the amounts paid from the Universal Service Fund

Year	Beneficiary	Amount received (Lei)	Reason
2004	-	0	-
2005	S.C. Orange Romania S.A. S.C. Romtelecom S.A. S.C. RCS & RDS S.A.	447,436.00 20,279,214.08 79.92	Telecentres Subscription subsidies Subscription subsidies
2006	S.C. Vodafone Romania S.A. S.C. Orange Romania S.A. S.C. Euroweb Romania S.A. S.C. Romtelecom S.A. S.C. Romtelecom S.A.	374,444.00 102,772.00 55,148.00 299,684.37 7,352,635.08	Telecentres Telecentres Telecentres Telecentres Subscription subsidies
2007	S.C. Rartel S.A. S.C. Orange Romania S.A. S.C. Vodafone Romania S.A. Radiocommunications National Company S.A.	2,575,253.00 378,217.60 959,617.00 2,187,872.68	Telecentres Telecentres Telecentres Telecentres
2008	S.C. Rartel S.A. Radiocommunications National Company S.A. S.C. Orange Romania S.A.	108,234.00 1,226,607.04 388,836.20	Telecentres Telecentres Telecentres
2009	Radiocommunications National Company S.A. S. C. Accessnet International S.R.L. S.C. Rartel S.A. S.C. Vodafone Romania S.A.	3,477,490.29 6,605,730.88 648,954.00 1,608,497.00	Telecentres Telecentres Telecentres Telecentres
2010	S.C. Vodafone Romania S.A. S.C. Orange Romania S.A. Radiocommunications National Company S.A.	226,688.00 701,001.38 61,290.20	Telecentres Telecentres Telecentres
2011	Radiocommunications National Company S.A.	975,238.39	Telecentres
2012	S.C. Orange Romania S.A. Radiocommunications National Company S.A.	462,092.20 188,753.73	Telecentres Telecentres
2013	-	0	-
2014	-	0	-
2015	-	0	-
2016	-	0	-
2017	-	0	-
2018	-	0	-

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4.2.9 Infrastructure Law

Law no. 159/2016 on the regime of physical infrastructure of electronic communications networks, and on establishing measures for reducing the cost of deploying electronic communications networks, with the subsequent amendments, published in the Romanian Official Journal, part I. no. 559/2016, is aimed at reducing the costs involved in the roll-out of certain. electronic communications networks. and at removing administrative barriers encountered by the electronic communications network providers, especially as regards the construction and installation of infrastructures for supporting electronic communications networks.

4.2.9.1 Setting the maximum tariffs that public authorities can charge for the communications operators' access to public property

In 2018, ANCOM went on consulting the draft decision and final adoption of the ANCOM President's Decision no. 997/2018 on setting the maximum tariffs to be charged for the communications operators' exercising the right of access on, over, in or under public property, published in the Romanian Official Joournal, Part I. no. 1013/29.11.2018. The Decision sets the tariffs that may be charged on the electronic communications providers for exercising the right of access on, over, in or under public property held by the authorities of the central or local public administration, as well as by any other entities acting as administrators

of public property of the state or of the administrative terrritorial units that do not act as electronic communications providers.

According to the provisions of the primary legislation grounding the calculation methodology for the maximum tariffs set by ANCOM President's Decision no. 997/2018, the tariffs for access to public property must cover exclusively the countervalue of the deprivation of use and the amount of the compensation for the direct and ascertained damages caused by the works, as well by the existence and functioning of the electronic communications networks and of the associated infrastructure elements. also taking into account tangible and intangible benefits.

The decision provides that the tariff for exercising the right of access to public property with a view to installing antennae, cabinets, manholes, chimneys, pipelines, base stations, pillars, poles, towers, other equipment and physical support infrastructures, including cables and boxes to which other types of access than those provided in the decision annex apply, cannot exceed zero RON. This regime resulted following the application of the calculation methodology, which indicated that the value of the benefits exceeds the value of the deprivation of use and of the direct and ascertained damages. Moreover, the decision sets maximum positive tariffs for 48 types of access.

Until **27 January** 2019, for public property buildings where works for access to property have been carried out, the entities concerned were imposed the obligation to publish, amend or complete the conditions (including maximum tariffs) under which the right of access to public property, as well as the documents that the applicant is required to submit as proof of fulfilment of these conditions.

Moreover, according to the provisions of Art. 47 (1) of Law no. 159/2016, by **26 February 2019**, local public authorities had to bring the contracts for exercising the right of access to public property, in force on the date of publishing of ANCOM President's Decision no. 997/2018 in the Romanian Official Journal, in line with the provisions of the provision of the Law and of ANCOM President's Decision.

The ANCOM decision applies to **public institutions**, including **central or local public administration authorities**, as well as to any other entities that exercise the right of administration over the public property of the state or of the administrative-territorial units and that do not have infrastructure for providing public utilities or transport services.

The tariffs set out in the decision will be paid by the providers of electronic communications networks interested in obtaining access to the buildings owned by the above-mentioned public institutions or entities.

4.2.9.2 Setting and imposing technical and economic conditions, including tariffs, for the providers' access to Netcity infrastructure

In 2018, the Authority submitted to public consultation the technical and economic conditions for the electronic communications network providers' access to the physical infrastructure of"NETCITY TELECOM" S.R.L. based on the assignment contract no. 4390/02.06.2008. After completing the public consultation procedures, on 14 January 2019, ANCOM issued the President's Decision no. 40/2019 on setting the technical and economic conditions for access to the physical infrastructure installed by "NETCITY TELECOM" S.R.L. based on the assignment contract no. 4390/02.06.2008, concluded with the Municipality of Bucharest.

Thus, Netcity has the obligation to provide access to their infrastructure under equivalent conditions to all the providers of public electronic communications networks that require or already have access to infrastructure. if they act under equivalent circumstances. Where the developer grants more favourable conditions to a provider, then it must grant the same conditions to all the providers on a non-discriminatory basis. Furthermore, Netcity has the obligation to provide access to infrastructure under at least the same conditions, including quality, as the ones it applies to itself or to the legal entities in the same group, and to process the requests for access

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to infrastructure or the requests for information submitted by providers, within the same time interval.

The project developer has the obligation to publish, on its website, general information on:

- duct location (list of streets and buildings or land plots covered by the network);
- technical conditions regarding access to ducts and tariffs for the provided access services;
- rules for the efficient use of ducts:
- the term for processing access requests and the quality indicators for the provision of access services;
- quality indicators for the provision of access services.

For the sake of transparency, Netcity has the obligation to publish also the framework contracts for access to physical infrastructure, concluded in accordance with the provisions of the ANCOM decision, as well as to make available to the interested providers a contact point for the management of requests for access to the physical infrastructure and all the related information requests.

The requesters' applications for access may be rejected only due to objectively justified reasons, such as technical impossibility, lack of available space, jeopardizing of the integrity and security of the networks already in place or the possible risk of significant interference caused by the provision of services over the network elements to be installed.

The developer must make available to interested providers the following services:

- Tubecity Transport (main pipe) rental service.
- Tubecity Racord (connection pipe) rental service.
- FTTB connection (dark fibre) rental service.

Moreover, the developer may make available to the providers services ancillary to the access services i.e. the installer certification service and accompanied access service.

Contracts for access to infrastructure concluded between the providers of public electronic communications networks and Netcity will be concluded within 30 days from the reception of the access request, while negotiations for amending or completing a contract cannot exceed 15 days from the date of receiving a request.

The duration of a contract for access to infrastructure is established by negotiation between the parties and may range from 3 to 5 years, depending on the request of the beneficiary public network provider.

The access contract will have to provide the possibility for a beneficiary public network provider to give up a physical infrastructure element after 1 year from the date of renting the respective element, without incurring the obligation to pay the rent for the remaining duration of the respective access

contract, for the respective infrastructure element.

Legislation

Moreover, Netcity must observe the 2 working days processing deadline for pipe requests (main pipe, connection pipe) or for FTTB connection requests launched by means of the infrastructure management application, as well as the service provision term of 4 working days from the date of receiving the request.

ANCOM's Decision sets tariff caps for **NETCITY TELECOM as follows:**

- 73.16 euro/km/month for the Tubecity Transport (main pipe) rental service;
- 0.224 euro/m/month for the **Tubecity** Racord (connection pipe) rental service;
- 0.277 euro/m/month for the FTTB connection (dark fibre) rental service.

The tariffs for Tubecity Transport rental service and Tubecity Racord rental service will be multiplied by 1.27 where coaxial cable is installed and by 1.5. respectively, where twisted metallic pairs are installed.

For ancillary services, the tariffs cannot exceed:

- 11.43 euro/hour for the accompanied access service (during working hours);
- 17.15 euro/hour for the accompanied acces service (outside working hours);
- 526 euro/course/participant for the installer certification service.

The tariff caps do not include VAT.

4.2.9.3 Setting and imposing technical conditions and the tariffs for access to RCS&RDS' ducts infrastructure in Oradea

On 19 September 2018, after the public consultation process, the Authority adopted ANCOM President's Decision no. 785/2018 setting the technical and economic conditions for the access of public electronic communications networks providers to RCS&RDS' physical infrastructure based on the assignment contract no. 1494/20.08.2014, concluded with the Municipality of Oradea.

Thus, RCS&RDS has the obligation to grant access to infrastructure to all the providers requesting it, under the conditions set by ANCOM. These conditions also apply to providers already benefiting from access to RCS&RDS' infrastructure.

RCS&RDS will have to publish, on its own website, a reference access offer including thorough essential information about infrastructure, and a standard infrastructure access agreement. Both the reference access offer and the standard access agreement must be in line with the conditions set by ANCOM.

RCS&RDS has to amend the reference offer, the standard access agreement, or the request for access to infrastructure, in order to comply with the decision provisions. The operator must also provide a contact point for managing the infrastructure access requests and for answering to the interested providers' information requests.

In order to ensure the transparency of infrastructure network management, RCS&RDS will publish an updated inventory of the infrastructure elements' available space.

The 5G for

Another obligation concerns ensuring certain response time and fault repair time, based on the respective type of malfunction of the infrastructure network. Should RCS&RDS fail to comply with the fault repair time, it will have to give the affected provider a compensation calculated based on the amount of the monthly invoice owed by the supplier for the use of the respective infrastructure elements.

RCS&RDS has the obligation to redistribute, on a quarterly basis, to all the access beneficiaries, the actual expenses on revenue-related fees due to Oradea Municipality, taking into account the revenues obtained from the access beneficiaries, as well as the hypothetical revenues obtained as a result of the provision of access to infrastructure for a provider's own network.

Moreover, the Authority's Decision provides that the tariffs charged by RCS&RDS cannot exceed 84.1 euro/km/month for the main pipe rental service, 1 euro/piece/month for the connection pipe rental service, 2.56 euro/0.014 m³/month for the manhole/handhole rental service and 13 euro/hour/location for the technical assistance service. Where twisted metallic pairs are installed, the tariffs for the former two services are to be adjusted in proportion to the section of such cables in direct proportion

to a fiber optic cable section with a maximum allowed diameter of 7 mm. Maximum tariffs do not include VAT.

4.2.9.4 Setting the format and the manner of the electronic communications providers' sending certain documents and information on exercising the right of access to properties, as well as for setting the corresponding access conditions

In 2018, the Authority made a further important step in the implementation of Law no. 159/2016 on the regime of physical infrastructure of electronic communications networks, by imposing the electronic communications network providers' transparency obligation as regards the conditions - including tariff-related - agreed for access to public or private property. Thus, ANCOM President's Decision no. 274/2018 on setting the format and the manner of sending documents and information on exercising the right of access to public or private property, and on setting the access conditions, respectively on amending and completing certain regulations for the purpose of sending such documents and information imposes on the providers exercising the right of access to public or private property the obligation to submit to ANCOM copies of all the access contracts or of all the final court decisions standing as contracts, as well as of the subsequent acts, where amendments occur.

Furthermore, they have to transmit certain information on these documents, such as the identification data of the real estate subject to the right of access, the price or tariff for access charged on the providers or the frequency of payments.

Such information must be made available in order to ensure nondiscriminatory conditions for access to public or private property, for all electronic communications network providers.

The information and documents reported under this decision will be transmitted exclusively electronically, in a secured manner, using ANCOM's online reporting application.

ANCOM will make available the information transmitted according to the decision to all providers of electronic communications networks, by means of the same online application.

4.2.9.5 Completing the regulations on setting up a Single Information Point, and the conditions and manner of transmitting information on the physical infrastructure of network operators

On 15 May 2018 the provisions of ANCOM President's Decision no. 395/2018 amending ANCOM President's Decision no. ANCOM 1113/2017 on establishing the Single Information Point, and on setting the manner of sending information on the network operators' physical infrastructure, entered into force.

ANCOM launched a section on its website, dedicated to the Single Information Point, which enables both reporting information by network operators and public sector bodies, and accessing the respective information by the providers of public electronic communications networks. Access to the Single Information Point is login-based both for reporting and for viewing information.

Network operators and public sector bodies have the obligation to send to ANCOM the data they have, in electronic format, on the location, track, type and current use of their physical infrastructure. The data collected will be made available to the providers of public electronic communications networks, by ANCOM, with a view to their efficient planning and usage of the physical infrastructure for the roll-out of electronic communications networks.

Failure to report these data and documents in compliance with the deadlines, the format and the way of transmitting them may be sanctioned by ANCOM with a fine from 1,000 to 100.000 lei.

4.3 Settling disputes between providers

4.3.1 Disputes in the electronic communications field

In 2018, no disputes in the electronic communications field were submitted to the Authority.

The administrative-jurisdictional procedure for ANCOM's settling the disputes between the electronic

communications providers is optional and free of charge.

Detailed information on the disputes settled by the Authority, and the procedure applicable for dispute settlement are available on the Authority's website under section Industry/Electronic communications/ Disputes between providers.

4.3.2 Disputes in the field of electronic communications networks' physical infrastructure

In 2018, following the notification of the Authority at the end of 2017 and early 2018, respectively, of eight litigation cases between several providers of electronic communications networks and the network operator Electrica Muntenia Nord S.A. on amendments of the contract clauses regarding the tariffs for access to the network operator's physical infrastructure, the Authority rejected two of the notifications submitted because they did not meet the legal requirements and closed three litigations for which the complainants filed requests for a waiver of the complaint. The other disputes were analyzed on the merits, and the settlement decisions are to be issued in 2019.

At the same time, in April 2018, the Authority was notified of a new dispute on amendments to the contract clauses regarding the tariffs for access to the physical infrastructure of the network operators. The dispute, filed by Telekom Romania Communications S.A. against several network operators - Electricity

Distribution Company Muntenia Nord S.A., Electricity Distribution Company Transilvania Sud S.A. and the Electricity Distribution Company Transilvania Nord S.A. - was analyzed on the merits, and the settlement decision is to be issued, as in the case of the other three litigations, in 2019.

The administrative-jurisdictional procedure for ANCOM's settling the disputes between the electronic communications providers and network operators, as well as between public electronic communications networks and entities holding - by any title - a physical infrastructure installed within a building is optional and free of charge. Detailed information on the categories of disputes in the field of electronic communications networks' physical infrastructure that can be settled by the Authority, and on the procedure applicable for the settlement of the respective disputes are available on the Authority's website under section Industry/Infrastructure Law/Disputes in the field of electronic communications networks' physical infrastructure.

4.4 Protect end-users' interest

4.4.1 Netograf.ro – an application for measuring the technical quality parameters of the internet access service

Netograf.ro is an on-line tool for testing and monitoring the quality of the internet access service, made available to the end-users in Romania by ANCOM. This application tests the quality of the connection between an end-user's

Table 4.6 Statistics on the average fixed internet speeds, H1 2018 vs. H2 2017

Fixed internet*	Average download speed, H1 2018	Average upload speed, H1 2018	Average download speed, H2 2017	Average upload speed, H2 2017
Nextgen Communications	78.96 Mbps	108.27 Mbps	80.56 Mbps	93.11 Mbps
Orange Romania	276.98 Mbps	233.04 Mbps	161.53 Mbps	145.49 Mbps
RCS&RDS	142.50 Mbps	125.23 Mbps	132.6 Mbps	125.51 Mbps
Telekom Romania Communications	80.32 Mbps	66.54 Mbps	70.27 Mbps	58.25 Mbps
UPC Romania	145.89 Mbps	18.19 Mbps	120.66 Mbps	13.88 Mbps

^{*} fixed internet providers with the highest number of users, in alphabetical order

Table 4.7 Statistics on the average mobile internet speeds, H1 2018 vs. H2 2017

. ,					
Mobile internet**	Average download speed, H1 2018	Average upload speed, H1 2018	Average download speed, H2 2017	Average upload speed, H2 2017	
Orange Romania	30.31 Mbps	12.93 Mbps	24.86 Mbps	10.24 Mbps	
RCS&RDS	11.16 Mbps	3.64 Mbps	8.49 Mbps	2.81 Mbps	
Telekom Romania Mobile Communications	21.10 Mbps	12.13 Mbps	21.72 Mbps	10.81 Mbps	
Vodafone Romania	24.39 Mbps	13.96 Mbps	24.60 Mbps	12.95 Mbps	

^{**} mobile communications providers, in alphabetical order

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terminal equipment and a test server connected to a national public internet interexchange point. ANCOM publishes, on Netograf.ro, quarterly and annual statistics on the quality of the fixed and mobile internet access service in Romania as experienced in real time by end-users, itemised by operator. Although all the tests performed by operators are registered in the Netograf.ro database, some of them are not taken into account - based on a series of pre-set criteria - in order to obtain accurate and relevant statistics and to avoid distorted results.

ANCOM developed Netograf.ro in order to offer the Romanian users an instrument which is independent (does not depend on the servers made available by the providers and/or their location), objective (presents the internet access service quality as experienced by the end-users, since it is measured using a single reference point for all the users of internet access services in Romania) and free of charge.

Netograf.ro is easy to use and provides real-time and accurate results. All you have to do is select your offer type and choose the access modality - wireless

or wired, for fixed internet, and indoor or outdoor for mobile internet. A test takes approximately 30 seconds, and the results obtained may be analysed and compared in the context of the statistics published on a half-yearly and annual basis.

By means of Netograf.ro, in the first half of 2018, the users performed over 177.000 validated tests (30% more than in the second half of 2017). Average fixed data transfer rates were generated based on 142,453 tests conducted for the first five fixed internet providers. and the average mobile data transfer rates were generated based on 29.167 validated for all the mobile internet providers.

Tests performed on www.Netograf.ro show that in the first half of 2018. Romanian users witnessed fixed internet download speeds that were 14% higher nationwide and mobile internet download speeds higher by 16%, compared to the second half of 2017. Thus, the fixed internet average download speed for the 5 largest providers of fixed internet services, by number of connections, was 134.03 Mbps for fixed internet download

and 24.11 Mbps for mobile internet download.

Legislation

Among the largest fixed internet providers, the average download speed for the tests performed over wired connections was 221.90 Mbps. whereas wireless connections enabled 68.55 Mbps on average. Furthermore, the average upload speed for tests over wired connections was 148.87 Mbps. while wireless connections enabled, on average, 57.35 Mbps.

A growth trend is also remarked in the average fixed and mobile upload speed. Statistics reveal that, in the first half of the year, Romanian users benefited from average speeds of 96.42 Mbps for fixed internet (3% higher compared to the second half of 2017) and 11.51 Mbps (21% higher).

ANCOM continues adding up capabilities to Netograf.ro by developing new functionalities to enable adequate certified monitoring mechanism characteristics as defined in Regulation (EU) 2015/21204, responding to

the needs of end-users and of internet access service providers. Following the implementation of these new capabilities, the users will be able to choose from a variety of solutions to verify/test the quality of their connections and to find the discrepancies between the actual performance and that indicated in the contracts.

The new capabilities of the IT platform mainly refer to a suite of dedicated Netograf mobile terminals, fixed terminals dedicated applications, a web module quality measurement based on HTML5 and a module for viewing the results on a map of Romania. In 2018. the public procurement process was completed, and ANCOM designated the winner to implement the new functionality of the Netograf platform. After the signing of the contract, the actual development of the extended integrated system was initiated, and it is to be made publicly available in 2019.



⁴ Regulation (EU) 2015/2120 of the European Parliament and of the Council of 25 November 2015 laying down measures concerning open internet access and amending Directive 2002/22/EC on universal service and users' rights relating to electronic communications networks and services and Regulation (EU) No 531/2012 on roaming on public mobile communications networks within the Union;

⁵ ANCOM President's Decision no. 1112/2017 setting quality indicators for the provision of the internet access service and the publication of the related parameters;

⁶ ANCOM President's Decision no. 158/2015 on the obligations to inform the end-users', with subsequent amendments and completions:

⁷ http://berec.europa.eu/eng/document_register/subject_matter/berec/regulatory_best_practices/ quidelines/6160-berec-quidelines-on-the-implementation-by-national-regulators-of-european-netneutralityrules:

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4.4.2 Open internet access

The Romanian legislative framework regarding open internet consists of Regulation 2015/2120, and of the secondary legislation issued by ANCOM on setting the quality indicators for the provision of the internet access service and the related parameters⁵, and on the transparency of certain details the providers have the obligation to make available to the end-users⁶.

At the end of 2017, ANCOM finalized completing the provisions of the Regulation through secondary legislation also taking into account the provisions of the BEREC Guidelines⁷ on the Implementation by National Regulators of European Net Neutrality Rules by adopting ANCOM President's Decision no. 1112/2017 setting quality indicators for the provision of the internet access service and the publication of the related parameters.

Some of the provisions of Decision no. 1112/2017 entered into force on 1 February 2018 while the provisions on transparency regarding technical quality indicators for the internet access service entered into force on 01 May 2018.

The Decision introduced further transparency obligations, in addition to those provided in Regulation (EU) 2015/2120, as regards the quality of the internet access service, in order to better protect end-users. Moreover, for a more coherent enforcement of the EU Regulation provisions, ANCOM's Decision no. 1112/2017 introduced certain definitions of the speeds indicated in

the Regulation, whose target values are to be established by the internet access service providers. The providers were also imposed the obligation to publish – on their websites – the values regarding each type of speed provided in the Regulation and the measurement procedure that should allow the users to identify a significant, permanent or regularly repeated discrepancy, between the performance indicated in the contract and the actual performance of the internet access service in respect of speed or of other quality parameters.

The users can monitor the quality indicators of their internet access service by means of the Netograf.ro application.

During 2018, ANCOM had a series of meetings with the providers, upon their request, during which aspects regarding the implementation of the provisions of the ANCOM President's Decision no. 1112/2017 were discussed. The topics for discussion concerned, in particular, the provider's proposals regarding the measurement procedures and the remedies granted in case of any discrepancies.

Legislation

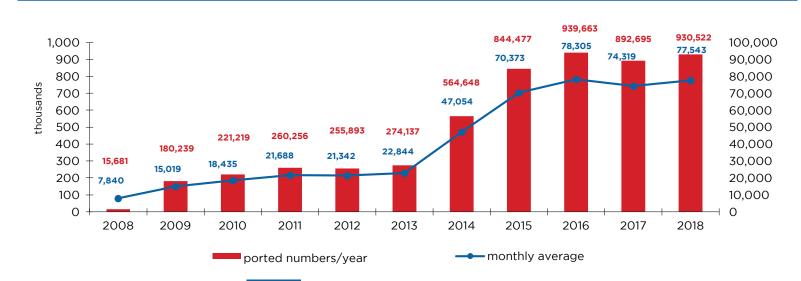
As well, in 2018, ANCOM investigated the offer of Telekom Romania Mobile Communications S.A. through which the provider offered a bonus to its subscribers, i.e. unlimited internet access at speeds of up to 1.5 Mbps for video streaming content and up to 150 Mbps for the other content categories. The bonus could be activated/deactivated by users both for prepaid cards and for subscriptions and was activated by default for new contracts or for renewal of existing ones. ANCOM considered that this practice was a violation of the provisions of the Regulation and

sanctioned the operator, while imposing on Telekom Mobile the abolition of the discriminatory treatment applied to video streaming content in relation to the other categories of traffic both in the case of contracts and offers containing the Unlimited Net Bonus, and in the case of other possible offers or contracts containing such traffic management, within 60 days from the date of the notification of the sanctioning decision. The supplier challenged the decision in court.

4.4.3 Number portability

The telephone number portability, another service made available to the users by ANCOM, enables them to keep their telephone number when shifting to another service provider. The users thus have greater freedom of choice and are given the possibility to enjoy the benefits

Exhibit 4.9 Ported numbers and monthly average during 2008 - 2018



data

of a competition-driven telephony market.

Within the total of almost 5.4 million numbers transferred in the 10 years of number portability in Romania, 4.6 million numbers were mobile telephony numbers and approximately 800 thousand were fixed telephony numbers.

The 5G for

In 2018, 930,522 telephone numbers were ported, of which 92% (856,584) are mobile telephony numbers, and only 73,938 are fixed telephony numbers.

The monthly average number of porting processes increased in 2018 compared to the previous year, from 74,391 in 2017 to 77.543 in 2018, while the most numbers were ported in October and December -109,887, respectively 98,775.

In 2018, 78% of the numbers were ported by natural persons, and 22% by legal persons. 26 providers were involved in the porting processes conducted last year.

Table 4.8 Mobile telephony numbers norted in 2018

ported in 2010		
Provider	Mobile telephony numbers ported in 2018	
RCS&RDS	278,070	
Orange	176,124	
Vodafone	156,323	
Telekom Romania Communications	148,675	
Telekom Romania Mobile Communications	97,350	
Alții	42	

Mobile telephony providers gained 856,584 users through porting in 2018. Most of these users - 278,070 - switched to RCS & RDS, 176,124 to Orange, 156,323 to Vodafone. 148.675 to Telekom Romania Communications, and 97,350 to Telekom Romania Mobile Communications.

Tabel 4.9 Numere de telefonie fixă portate în anul 2018

Provider	Fixed telephony numbers ported in 2018
Telekom Romania Communications	28,516
RCS&RDS	22,218
Orange	10,498
UPC România	4,577
Vodafone	3,479
Alții	4,650

46% of the mobile telephony numbers ported in 2018 were prepaid card numbers.

73,938 fixed telephony numbers were ported in 2018, i.e. 8% of all the numbers ported last year. Most of the fixed telephony numbers ported went to the largest providers in the market, as follows: 28.516 to Telekom Romania Communications, 22,218 to RCS & RDS. 10,498 to Orange, 4,577 to UPC Romania and 3,479 to Vodafone.

26.950 location-independent numbers were ported in 2018. 71% of the fixed telephony numbers were ported by legal persons.

The administrative processes associated to number portability are supervised by means of an IT system managed by

ANCOM. ANCOM permanently monitors the operation of the IT system used for portability management and offers support to the operators for managing the porting processes.

www.portabilitate.ro - a website made available by ANCOM - provides complete portability-related information and the steps to be followed when a user decides to switch telephony operators. The page also includes a search engine which enables one to find the network where a number is active, as well as whether the respective number has been ported or not.

4.4.4 The emergency call service – 112. Population Warning System RO-ALERT

ANCOM develops regulations setting technical and economic terms on establishing communications to the Single National Emergency Call System (SNUAU) for providing the emergency service 112 to the population. These regulations are in line with the provisions of the European regulations in the field.

In 2018, the Authority, having the role of implementing the national electronic communications policy, and following discussions with all the entities involved, signed a collaboration protocol on creating the necessary framework for the distribution, to the population, of messages transmitted through the Population Warning System - "RO-ALERT".

The RO-ALERT system is implemented on the territory of Romania by the Ministry of Internal Affairs through the General Inspectorate for Emergency Situations and with the technical support of the Special Telecommunications Service.

The Authority participated in the debates on the identification of solutions for the transmission of warning and alarm messages to the population in emergency situations through the networks of mobile operators, as well as on the construction of the institutional framework necessary for carrying out the activities involved in rendering the system operational.

The RO-ALERT system allows sending Cell Broadcast messages to warn and alarm the population in emergency situations where citizens' lives and health are endangered (extreme weather phenomena, significant floods, terrorist attacks, other situations that seriously threaten communities).

At European level, ANCOM is involved in co-ordinating the activities of the Emergency Services project team (PT ES) within CEPT (European Conference of Postal and Telecommunications Administrations), filling the vice president position. Technical experts from the CEPT member countries participate in the Emergency Services Project Team (ES PT), aimed at facilitating dialogue and exchange of information on regulatory issues in the field of emergency services.

At ANCOM's initiative, PT ES started a report on defining the statistics needed to quantify the effectiveness of the Caller Location Information received at the Public Safety Answering Point (PSAP), a report to be published during 2019.

4.4.5 Solving users' complaints

In 2018, ANCOM received and settled 3.611 complaints from the users of electronic communications and postal services in Romania.

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87% of all the complaints sent to ANCOM in 2018 concerned electronic communications services. The users were mostly dissatisfied with issues related to the contractual relationship with the providers of electronic communications services. Thus, the users complained about issues regarding contract termination (17% of the complaints regarding electronic communications), billing issues (12%), breach of the contracts by the providers (11%) and the execution of distance contracts (9%).

More than 21% of the complaints sent to ANCOM concerned issues in the process of porting telephone numbers.

14% of the complaints - more than in the previous year - referred to roaming issues, especially to the roaming conditions in the European Economic Area (Roam like at home).

ANCOM data show that 24% of the users' complaints concerned the services provided by Vodafone Romania, 20% - by Telekom Romania Mobile Communications, 15% - by Telekom Romania Communications, 15% - by Orange Romania, and 12% - by RCS & RDS.

9% of the total complaints filed with ANCOM in 2018 (328) concerned the provision of postal services.

The main issues indicated by postal services users were related to the postal items delivery term (22% of all the complaints), delivery failure (19%), deterioration of postal items (17%), and loss or theft (15%).

Once with the consumers' rising preference for e-commerce, the role of parcel delivery has also increased significantly. The most complained about service providers were Urgent Cargus (36% of all complaints regarding postal services), Fan Courier (15%), The National Company Romanian Post (13%) and Dynamic Parcel Distribution (12%).

Other complaints received by ANCOM in 2018 regarded radio equipment issues, the regime of infrastructure networks or issues arising from the usage of the radio frequencies.

Out of the 3,611 complaints received by ANCOM in 2018, 3,017 were submitted by residential users, and the rest of 594 were submitted by business users. 75 complaints were discarded and 132 were redirected to other institutions.

Table 4.10 Complaints received by ANCOM throughout 2018, by issues of interest:

Complaints received in 2018	3.611
Complaints by issues of interest*	
Electronic communications	
Minimum contract clauses	34
Unilateral amendment of a contract	65
Contract termination	
failure to process termination request	149
• termination fee	369
Breach of a contract	
subscription	277
prepaid card	50
TV grid	8
Distance contracts/contracts concluded outside points of	sale
lack of consent	101
exercise of the withdrawal right	41
prior information	77
equipment delivery	24
• other	26
Billing	
• itemized bill	20
non-itemized bill	33
contested bill	30
• fraud	29
Portability	
technical problems	117
• term non-observance	197

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porting cancellation	189
porting denial	27
• provisional number	25
abusive porting	15
• other	101
Roaming	
FUP surcharges for Roam like@home	109
FUP information on Roam like@home (contracts)	71
RLAH data cap	8
50E data ceiling	42
involuntary roaming	51
offer without roaming services	100
SMS informing on roaming terms	15
• other	42
Coverage	
mobile services coverage	229
mobile services coveragemobile internet coverage	229 24
mobile internet coverage	24
mobile internet coveragefixed telephony network	24
 mobile internet coverage fixed telephony network fixed internet network 	24 1 7
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 mobile internet coverage fixed telephony network fixed internet network CATV network Technical problems Fixed internet Mobile internet Fixed telephony Mobile telephony TV 	24 1 7 6 83 7 50

dispute settlement/remedies	12
measurements	9
traffic management	2
Information offered by electronic communications pro	oviders
• on their website	16
• orally	17
Complaint handling by the electronic communications	service providers
• term	13
customer relations	8
procedure infringement	4
Postal services	
delivery term	68
damaging of postal items	52
delivery failure	57
• theft/loss of postal items	45
• cash-on-delivery	8
• tariffs	9
• other	67
Frequency spectrum	24
Pornography	3
Equipment	46
EMF	49
Infrastructure	71
Terminal unlocking	17
Other	314
*Certain complaints cover several domains of intere	

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5.1 Postal market

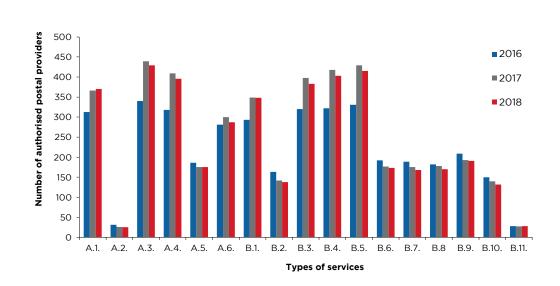
5.1.1 General authorisation

In 2018, the general authorisation of the postal service providers followed the provisions of the ANCOM President's Decision no. 313/2017 on the general authorisation regime for the provision of postal services.

On 31 December 2018, the Public Register of postal service providers registered a total of 497 persons authorised to provide postal services, by 3.2% less than at end-2017. Of these, 474 were entitled to provide postal services within the scope of universal service, down by approx. 3.5% compared to 2017, while 491 had the right to provide postal services outside the scope of universal service, less by approx. 3.8% compared to 2017.

After the growing trend registered in the previous years, we witness a relative stagnation of the market.

Exhibit 5.1 Evolution of the number of postal service providers, by service



Postal

services

Types of postal services

- **A.1.** Clearance, sorting, transport and delivery of domestic and cross-border postal items up to 2 kg (correspondence items, printed matter items)
- **A.2.** Clearance, sorting, transport and delivery of domestic and cross-border cecogrammes
- **A.3.** Clearance, sorting, transport and delivery of domestic and cross-border postal parcels up to (including) 10 kg
- **A.4.** Distribution of cross-border postal parcels between 10 kg and 20 kg sent from outside Romania to an address located on its territory
- **A.5.** Service for registered items dealing with domestic and cross-border postal items up to 2 kg (correspondence items, printed matter items)
- **A.6.** Service for insured items dealing with domestic and cross-border postal items up to 2 kg (including) (correspondence items, printed matter items) or domestic and cross-border postal parcels up to 10 kg (including), respectively postal parcels weighing between 10 and 20 kg (including) sent from abroad to an address located in Romania
- **B.1.** Services dealing with domestic and cross-border postal items above 2 kg (items of correspondence, printed matter items)
- **B.2.** Direct mail service dealing with domestic and cross-border postal items
- **B.3.** Clearance, sorting, transport and delivery of domestic postal parcels weighing between 10 and 50 kg (including)
- **B.4.** Clearance, sorting and transport of cross-border postal parcels weighing between 10 and 50 kg (including), sent from Romania to an address abroad
- **B.5.** Distribution of cross-border postal parcels weighing between 20 and 50 kg (including) sent from abroad to an address located on the territory of Romania
- **B.6.** Pav-on-delivery
- **B.7.** Change of destination
- **B.8.** Special delivery
- **B.9.** Confirmation of receipt
- **B.10.** Express
- **B.11.** Paper money order (domestic and cross-border)

5.1.2 Statistical data

According to the data collected by ANCOM on the evolution of the postal market in 2017¹, the revenues from postal services grew by 8%, to 2.8 billion lei, whereas the total postal traffic dropped by 1%.

Out of the 556 million postal items, 522 were domestic (94%), and 34 million were cross-border, meaning 6% of the total postal traffic. The domestic traffic decreased by 2%, but the cross-border traffic increased instead by 8%. The average number of postal items per inhabitant maintained in 2017 at the value of 28 items/year/inhabitant.

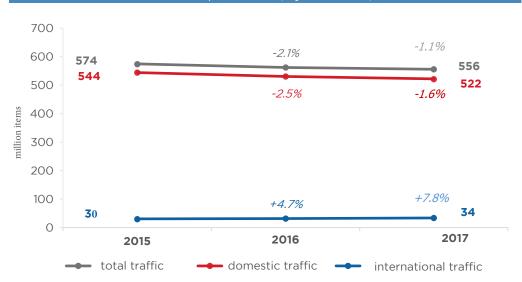
If the letter-post traffic sunk by 3% (to 444 million items, i.e. 80% of the total postal traffic), the parcel traffic grew by

16% (to 68 million items, i.e. 12% of the total postal traffic).

The traffic generated by the services within the scope of universal service dropped in 2017 by 23%, to 179 million items (32% of the total postal traffic), of which 154 million were domestic and 25 million were cross-border.

The decline of the domestic postal traffic reduced in 2017, due to the traffic of services outside the scope of universal service (which grew by 15%). Instead, the decline of the domestic postal traffic within the scope of universal service deepened as compared to the previous years, dropping by 27%, mainly because of re-defining the scope of universal service which does not include large volume items anymore.





¹ Statistical data available at the time of drafting the 2018 annual report (first half of March 2019)



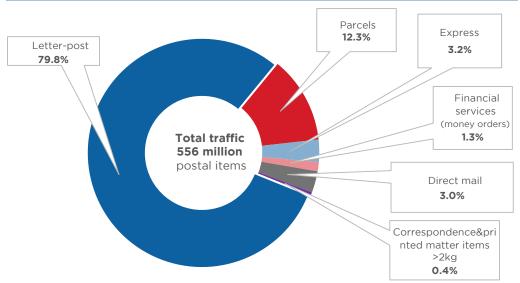


Exhibit 5.4 Evolution of the domestic postal traffic, by universal service, 2015 - 2017

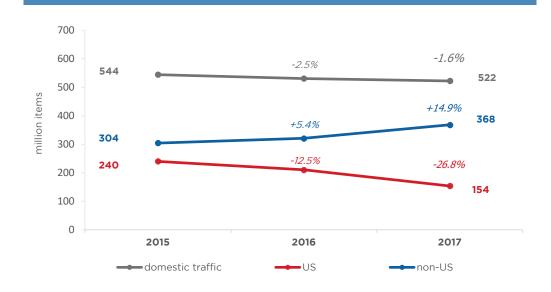
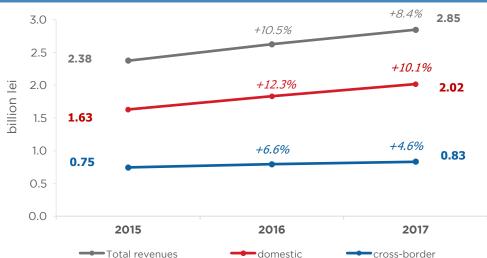


Exhibit 5.5 Evolution of revenues obtained from the provision of postal services, 2015 – 2017



The revenues from domestic postal items increased by 10%, to 2 billion lei (71% of the total market revenues), whereas the revenues from cross-border postal items grew by 5% to 0.8 billion lei.

In keeping with the total revenues from postal services achieved in 2017, the market leader holds 22% share, the main competitor 21%, the next competitor 13%, the remaining 44% of revenues being shared between the other providers active on the Romanian postal market.

5.2 Postal service regulation5.2.1 Cross-border parcel delivery

The Regulation on cross-border parcel delivery services, adopted by the European Parliament and Council, entered into force on 22 May 2018 and it aims at enhancing competition by improving price transparency, as well

as by establishing a uniform European regulatory framework to oversee the evolution on this market.

The regulation applies to the universal service provider that offers parcel delivery services, to all cross-border parcel delivery service providers with more than 50 employees, as well as to parcel delivery service providers with less than 50 employees but are established in more than one Member State.

As for the obligations of the universal service providers that offer parcel delivery services, these must provide the national regulatory authority of the EU country in which they are established with the public list of tariffs for the delivery of postal services covered by the Regulation.

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The parcel delivery service providers are required to submit to the national regulatory authority of the EU country in which they are established certain general information: name, legal status and form, registration number in a trade or similar register, VAT identification number, the address of their establishment and the contact details of a contact person, the type of services offered, their general terms and conditions for parcel delivery services, including details of complaints procedures for users.

According to the Regulation, by 30 June of each calendar year, all parcel delivery service providers must submit to the national regulatory authority specific information on the activity carried out in the previous calendar year: the annual turnover from parcel delivery services, the number of persons working for them over the previous calendar year involved in the provision of parcel delivery services, the number of parcels handled etc. These statistical data must be submitted to ANCOM exclusively by electronic means, through an online information application available here, using the certified electronic signature.

Upon enforcing the Regulation, by 23 November 2019, Romania, as Member State, must lay down the rules on the penalties applicable to infringements of the Regulation, take all measures necessary to ensure that the Regulation provisions are implemented and notify the European Commission. The penalties provided for must be effective, proportionate and dissuasive.

5.2.2 Universal Service in the Postal Sector

5.2.2.1 Settling the request for the compensation of the net cost incurred in the provision of the universal postal service in 2016

On 21 May 2018, upon the completion of the public consultation, ANCOM transmitted to the Romanian Post National Company (CNPR) the ANCOM President's Decision no. 483/2018 on the request for the compensation of the net cost of the provision of postal services within the scope of universal service in 2016.

ANCOM received, on 14 August 2017, a request from CNPR to compensate the net cost, alongside the statement on the costs, revenues and capital employed in view of the provision of services within the scope of universal service for 2016 as well as a report drawn up by an independent auditor which is required to verify the compensation request.

ANCOM analysed the data and hypotheses used by CNPR in the preparation of the net cost compensation request, as well as the methodology and the actual calculation of the net cost, and the additional information made available by CNPR. Where necessary and based on alternative sources of information, the Authority adjusted the data, hypotheses and actual calculation of certain parameters so as to ensure that the final amount resulted from this complex process reflects the value of the net cost incurred by the provision

of services within the scope of universal service in 2016.

After this analysis, ANCOM found that CNPR did not register a net cost in 2016 (the value determined following the adjustments was negative).

The net cost incurred by the provision of services within the scope of universal service is deemed an unfair burden if it cumulatively meets two conditions regarding the level of the return of capital employed and the materiality threshold of the incomes from the



provision of services within the scope of universal service.

The ANCOM analysis showed that only the first criterion is met (the return of the average capital employed on the universal service segment was below the reasonable level of return established by ANCOM for 2016 at 10.02%). The second criterion was not met as the value of the net cost does not exceed the materiality threshold of 3% of the value of incomes obtained by the designated universal service provider from the provision of services within the scope of universal service.

5.2.2.2 Regulation of postal universal service

In June 2018, ANCOM sent a questionnaire to the postal service providers on the implementation of postal universal service in Romania, to find out their views on the need to designate one or more universal service providers in the postal field and on the obligations that should be imposed on the universal postal service provider(s) if ANCOM was to start a procedure therefor, given that the designation period of CNPR was due to expire on 31 December 2018.

In establishing the conditions and the procedure for the designation of one or more universal service providers, as well as the obligations and special conditions these must observe, but also the rights they have from the provision of universal service, ANCOM must consider the main action lines and objectives set out by the Ministry of Communications and

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Information Society via a strategy on universal service in the postal field.

Consequently, without a policy and strategy paper valid for the period subsequent to the date on which the CNPR designation expires, but based on the request ANCOM received from MCSI, as authority responsible for elaborating the policy and strategy, the period of designation of CNPR as a universal service provider in the postal field was extended, in keeping with the exceptional circumstance provided for in art. 3 para. (3) of the ANCOM President's Decision no. 541/2013¹¹, until 31 December 2019, given the need to ensure the continuity of the postal universal service.

Thus, the rights and obligations of CNPR laid down in Decision no. 1158/2013 on the designation of the National Company Romanian Post S.A. as a universal service provider in the postal services field, with the subsequent amendments and completions, remained unchanged, CNPR being required to ensure by 31 December 2019 the services within the scope of universal service throughout Romania, including the hard accessible geographic areas or areas with low density, where the small number of cleared or distributed postal items does not justify the presence of a postal provider based on commercial principles.

The services within the scope of universal service are:

- a) clearance, sorting, transport and delivery of domestic and crossborder postal items dealing with correspondence items, small packages and printed matter items up to including 2 kg;
- b) clearance, sorting, transport and delivery of domestic and cross-border postal parcels up to including 10 kg;
- c) distribution of postal parcels up to including 20 kg, sent from abroad to Romania;
- d) service for registered items dealing with the postal items from the category under letter a):
- e) service for insured items dealing with the postal items from the categories listed in letters a) to c):
- f) clearance, sorting, transport and delivery of domestic and cross-border cecogrammes.

5.2.3 Tariffs for postal services within the scope of universal service provided by CNPR

According to Government Emergency Ordinance no.13/2013 on postal services, approved, with amendments and completions by Law no. 187/2013, with the subsequent amendments and completions "the tariffs charged by the universal service provider for the provision of the postal services within

the scope of universal service must be affordable, uniform, transparent, non-discriminatory and cost-oriented, irrespective of the geographic location, and stimulate the provision of an efficient universal service". The same normative act states that, to comply with these principles, the Authority may impose one or more of the following measures:

- "a) price caps and methods to control the amendment of tariffs for services within the scope of universal service;
- b) the means for setting or amendment of certain tariffs for services within the scope of universal service which the universal service provider has the obligation to provide, taking into account the specific characteristics of these services;
- c) setting individual tariffs for services within the scope of universal service."

Therefore, the provisions of the Decision of the ANCOM president no. 1158/2013

designating the National Company
Poşta Română S.A. as a universal
service provider in the postal sector,
with the subsequent amendments and
completions, establish that, until the entry
into force of ANCOM's tariffs regulations
among those mentioned above, CNPR
has the obligation to submit for the
Authority's approval any amendment of
tariffs charged for the services within the
scope of universal service which it has
been designated to provide.

In such context, in 2018, CNPR sent ANCOM several requests to amend the tariffs charged for the provision of certain postal services within the scope of the universal service. Following ANCOM's analysis of the costs and revenues of these services, based on the separate financial statements prepared by CNPR in accordance with its obligations as a designated universal service provider, some of the tariffs that were subject of the requests submitted by CNPR this year were approved.



¹¹ Article 3 para. (3) of the ANCOM President's Decision no. 541/2013 on the conditions and procedure for the designation of the universal service providers in the postal sector, with the subsequent amendments and completions, provides that "In well justified cases, ANCOM may decide to extend with maximum 1 year the period for which the universal service provider was designated, without however exceeding the maximum 10-year period referred to in paragraph (2)

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5.2.4. Quality of postal services within the scope of universal service

In line with art. 12 of Decision no. 1158/2013 designating CNPR as a universal service provider in the postal sector in Romania, CNPR has the obligation to fulfil, annually, the following quality requirements:

 delivery to the addressees of the intra-Community correspondence

- b) 97% of the total number of these items must be delivered in at most Z+5,
- delivery to the addressees of the domestic correspondence items from the fastest standard category, weighing up to including 2 kg, in compliance with the following requirements:
- a) 85% of the total number of these items must be delivered in at most Z+1;



postal items from the fastest standard¹² category, in compliance with the following requirements:

 a) 85% of the total number of these items must be delivered in at most Z+3¹³; b) 97% of the total number of these items must be delivered in at most Z+2.

In this sense, based on the provisions of art. 8, paragraph (1) of Decision no. 583/2014, CNPR has the obligation to, based on the audited results of the

quality measurements, draw up an annual detailed report and submit it to ANCOM by 15 May of the year following the one when the measurements were made, in view of approval.

Upon the reporting by CNPR of the results on the quality measurements for the postal services dealing with intra-Community and domestic, priority, correspondence items provided in 2017, the aggregated level of the quality performances obtained at the Community level situated at Z+3: 61.40%, respectively Z+5: 87.60%.

As for the domestic correspondence items from the fastest standard category, the quality results obtained by CNPR in 2017 were: 30.01% of all processed items distributed in Z+1, respectively 59.70% of all processed items distributed in Z+2.

Given the indicators reported by the provider and the fact that the quality objectives were not observed, both for intra-Community and domestic postal items, the results showing a poorer performance than in 2016, CNPR was sanctioned with a fine amounting to 25,000 lei.

5.2.5. Study on the quality of the parcel delivery services and impact of electronic commerce on postal services

In the past years, at the Community level, there were significant decreases in the traffic volume in the field of traditional postal services to the benefit of the parcel services, a possible motive identified for this dynamic being the

accelerated evolution of the electronic commerce.

The conclusions of the most recent surveys and analyses conducted by the European Commission show that, ever since 2016, arose the need for the national regulatory authorities to create tools to monitor the impact of electronic commerce on the postal service market. In this perspective, ANCOM was one of the first European regulatory authorities that decided, back in 2017, to annually monitor the impact of electronic commerce on the postal market, becoming a pioneer as to the development of the monitoring method.

In 2018, ANCOM conducted the Study on the quality of the parcel delivery services and impact of electronic commerce on postal services in 2017, with the purpose of obtaining the information necessary to the monitoring process.

Thus, based on the annual statistical reports made by the postal providers, there were identified and selected to be a part of the research panel the first 29 providers by the traffic volumes of parcels processed in 2017, these processing more than 95% of the total traffic in Romania and obtaining over 90% of the revenues generated by the postal service market.

Later, a questionnaire was developed and sent out for these providers to fill it in. The Study on the quality of the parcel delivery services and impact of electronic commerce on postal services in 2017 showed that, in terms of traffic

¹² The respective quality requirements must be met in relation to each EU Member State

¹³ Z is the day when the postal item was introduced at the access point, if this was submitted before the clearance deadline set for that access point Z is the day when the postal item was introduced at the access point, if this was submitted before the clearance deadline set for that access point

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volumes and revenues obtained, the electronic commerce gained a significant share in the Romanian postal industry, influencing the market in particular outside the scope of universal service, most end-users asking, in the case of the postal items generated by the industry concerned, the Pay on delivery and Express services.

The study conducted by ANCOM aimed at identifying the way in which

e-commerce influences the postal traffic and revenues obtained by the providers. Thus, the postal traffic generated by the online commerce industry knows an ascending trend, rising between 2016 and 2017 from 46 million to over 75 million. The revenues of the postal providers from the research panel as a result of their connection with e-commerce industry grew between 2016 and 2017 from 521 million lei to over 619 million. Between 2016 and

2017, the share of revenues generated by e-commerce within the providers' total revenues increased from 21% to 23% owing to the synchronised growth of the traffic volume. Thus, the most significant increase of revenues compared to the ascending trend of the traffic volume is given by the fact that postal services generated by e-commerce bear higher added value than the other postal services.

5.3 Protection of postal service users

492 thousand complaints concerning postal services were registered (+16%) in 2017, of which 98 thousand (i.e. 20% of all complaints) were found grounded by the postal providers (+9%). In the case of 32 thousand complaints, total compensations of 6.2 million lei were granted, thus the average compensation amounted to 191 lei.

32,000 complaints
for which
6.2 million lei compensations
were granted

ANCOM received and solved last year 328 complaints which concerned the provision of postal services.

The main problems brought up by the users referred to the delivery term of the postal items (22% of all complaints on postal services), the failure to deliver the postal items (19%), the deterioration of the postal items (17%) and the loss or theft of the postal items (15%). As users began to prefer the online commerce, the role of parcel delivery grew significantly.

Most complaints lodged with ANCOM concerned Urgent Cargus (36% of all complaints on postal services), Fan Courier (15%), National Company Posta Română (13%) and Dynamic Parcel Distribution (12%).



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Limited resources

ANCOM manages and administrates limited resources by planning, allotting, supervising and monitoring their use. The limited resources administrated and managed by the Authority are the radio spectrum, the numbering resources and the associated technical resources for electronic communications networks and services.

The document grounding the use of the radio spectrum in Romania is the National Table for Frequency Allocations (NTFA), while the document establishing the structure and destination of the numbering resources used in Romania is The National Numbering Plan (NNP).

ANCOM administrates the entire radio spectrum at national level and manages in detail the frequency bands with exclusive or shared non-governmental use, according to the NTFA.

One of the components of limited resource management is granting rights

of use to applicants who meet technical and legal conditions therefor, by various types of authorization documents, licences, decisions, and - in the case of radio spectrum - authorizations.

In 2018, the Authority issued in due time all the licences for the use of radio frequencies through direct awarding, frequency assignment authorisations, transmission licences, and the licences for the use of technical resources. The rate of timely issuance of licences for the use of numbering resources was 91%.

6.1 Main actions in resource management

6.1.1 A National Roadmap for the Allotment and Future Use of the 470-790 MHz Frequency Band

In the context of the EU Member States' obligation - set out by Art. 5 of Decision (EU) 2017/899 of the European Parliament and of the Council on the use of the 470-790 MHz frequency band in the Union - to adopt and publish, not later than 30 June 2018, their national plan and timetable ("national roadmap"), a document providing detailed measures for fulfilling their obligations as regards the allotment and use of the radio spectrum in this band, ANCOM developed and launched for public consultation - during 22 May-22 June 2018 - the measure plan and the national timetable for the allotment of the 470-790 MHz frequency band together with the associated regulatory options, in the form of a national roadmap for the allotment and future use of the 470-790 MHz frequency band.

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On 19 July 2018, following the public consultation, the Authority adopted the National Roadmap for the Allotment and Future Use of the 470-790 MHz Frequency Band, available here.

The 700 MHz (694-790 MHz) band is very important for providing extended coverage, especially in economically challenging areas, such as rural, mountainous or other remote areas. The band is adequate for ensuring efficient coverage over wide areas and improved indoor coverage.

Once with the National Roadmap on the 700 MHz band, ANCOM also agreed the schedule for making available the radio spectrum needed to implement 5G technology in Romania, planning to complete the whole documentation of the competitive selection procedure for awarding new spectrum usage rights in spectrum frequencies available in the 700 MHz, 800 MHz, 1500 MHz, 2600 MHz and 3400-3600 MHz bands by July 2019 and to finalize the spectrum auction not later than December 2019.

An essential first step for the timely making available of appropriate radio spectrum for the future development of mobile broadband systems is ensuring the technical and regulatory conditions for using new frequency bands for the provision of broadband mobile communications.

Thus, in order to release the 700 MHz band for mobile communications systems, ANCOM will propose to amend the NTFA by allocating the 694790 MHz frequency band to the land mobile service, on a primary basis, and designating the 703-733 MHz and 758-788 MHz bands for use by terrestrial systems capable of providing wireless broadband electronic communications services (IMT), as well as the 738-753 MHz band for use in SDL mode, by IMT.

In the National Roadmap for the Allotment and Future Use of the 470-790 MHz Frequency Band, ANCOM provided making available 2x30 MHz in the 700 MHz frequency band (the paired bands 703-733 MHz, 758-788 MHz) for the provision of technologically neutral mobile/fixed (MFCN) networks using FDD operation mode, and 15 MHz (738-753 MHz sub-band) for SDL MFCN through a competitive selection procedure for awarding frequency use rights in these bands, to ensure the use of those bands for technologically neutral MFCN networks starting from 30 June 2020 (according to the Decision (EU) 2017/899 of the European Parliament and of the Council).

Furthermore, taking into account the 700 MHz band usage options provided in the Commission Implementing Decision (EU) 2016/687 and the spectrum requirements identified at a national level for various radiocommunications services and applications, ANCOM proposed to allot 2x8 MHz in the 700 MHz range, respectively the paired sub-bands 698-703 MHz and 753-758 MHz (2x5 MHz) and the paired sub-bands 733-736 MHz and 788-791 MHz (2x3 MHz), for the

deployment of a dedicated BB-PPDR communications network.

Another action with impact on the implementation of 5G technologies is the conclusion of bilateral co-ordination agreements with the neighbouring countries, by 30 June 2019.

ANCOM will continue the process of international coordination on the use of frequencies in the 470-694 MHz band with Ukraine and the Republic of Moldova, with the aim of concluding bilateral agreements in order to facilitate the clearance of the 700 MHz band for MFCN within the deadline stipulated in Decision (EU) 2017/899 of the European Parliament and of the Council or close to this deadline.

Moreover, ANCOM will carry out a radio spectrum monitoring campaign in the frequency bands to be auctioned out and will make available to the bidders a report on the status of the radio signals coming from the territory of other states, identified in these bands on the territory of Romania.

Among the steps towards organising the spectrum auction, ANCOM will develop and adopt a national position on the allotment and future use of radio frequencies available in the 700 MHz, 800 MHz, 1500 MHz, 2600 MHz, 3400-3600 MHz and 26 GHz frequency bands for broadband wireless electronic communications systems.

Concerning the availability of the frequency band 470-694 MHz for the terrestrial provision of broadcasting

services, including free television, in accordance with Article 4 of Decision (EU) 2017/899 of the European Parliament and of the Council, considering the expiry date of current licenses and the provisions of the legislation in force on the possibility of extending them by 10 years, the protection of the digital terrestrial television service in the 470-694 MHz band can be ensured until 2035, subject to the implementation of the harmonization objectives at European level.

Amendments will be proposed to the legislation, so that the validity extension of these licenses should not exceed 2035. Taking into account the frequency spectrum availability in the 470-694 MHz band, ANCOM will organize a selection procedure for awarding rights of use for these frequencies for 10 years, subject to the principles, conditions and limits set by the legislative acts adopted within the European Union.

Furthermore, ANCOM shall allow wireless audio PMSE equipment to continue using the 470-694 MHz band, on a tuning range basis, in accordance with Recommendation ERC/REC 70-03, Annex 10, at least until 2030, as provided in Article 4 of Decision (EU) 2017/899.

6.1.2 Flexible use of geographic numbers (fixed telephony)

On 13 December 2018 the Romanian Official Journal published ANCOM's Decision no.1069/2018 on the use of certain geographic numbering resources outside their corresponding

area, following the public consultation procedure. The Decision allows for geographic fixed telephone numbers to be used outside the geographical area in which they were allocated. Thus, the users who move from one county to another will be able to keep their fixed telephone number, including where they intend to switch telephony providers.

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Thus, by adopting this decision, ANCOM seeks to ensure that the users can reap the benefits of the new technologies, by removing the restrictions corresponding to geographic numbers that are no longer justified by technical or commercial reasons.

Another objective envisaged by this normative act is to encourage providers of electronic communications services to offer innovative services including by means of geographic numbers. Furthermore, this measure enables using the allocated numbering resources in a more efficient way, as it is no longer necessary to request the allocation of numbers in each geographical area where services are provided.

9-digit numbers allocated for the provision of fixed telephony services will no longer bear geographical significance. In the case of these numbers, the geographic area code (prefix) will no longer necessarily correspond to the geographical area where the terminal is located. For example, a fixed telephone number installed in Bucharest, now of the format 021xxxxxxx (for which the national prefix "O" followed by the 9

digits will be dialled), will be portable in any county without changing the prefix.

This decision will apply to both 9-digit geographical numbers allocated by ANCOM prior to the date of entry into force of the decision and to the numbers that are to be allocated thereafter. The decision will also apply to both 9-digit geographic numbers assigned by ANCOM based on a licence, as well as to those transferred from another provider or received through a porting process.

Since the geographical area code is essential in providing the emergency service, by its decision ANCOM establishes that these numbers shall be treated similarly to location-independent numbers. Consequently, the geographic location coordinates of the call should be determined during the conversation with the caller.

According to the Single National Emergency Call System (SNUAU), the number of incoming calls from geographic numbers and location-independent numbers is only approximately 20% of the incoming calls, so the similar treatment applied in these cases will not have a major impact on the operation of emergency services.

In order to be able to use geographical numbers in areas other than the original ones, each operator must implement preparatory measures, such as technical modifications to equipment or revision of interconnection architectures. Their complexity and scale vary widely from one operator to another, depending

on the technologies used, so ANCOM's decision will come into force within 12 months from its publication in the Romanian Official Journal.

6.1.3 New provisions regarding spectrum usage fees

On 13 December 2018, the Romanian Official Journal published ANCOM's Decision no.1062/2018 on amending and completing ANCOM President's Decision no. 551/2012 on setting spectrum usage fees, following a public consultation process. ANCOM's Decision mainly seeks to improve the charging principles and to introduce a spectrum usage fee for terrestrial digital broadcasting.

Thus, with a view to awarding spectrum use rights in the VHF band (174-230 MHz) for the provision of digital terrestrial broadcasting services (T-DAB+), the decision adopted sets the level of the spectrum usage fee to be paid by the holders of rights to use the radio frequencies for the provision of these services. The spectrum usage fee was set according to the nature of the service to be provided, the geographical distribution of the population, and taking into account the fact that 4 T-DAB blocks can be inserted in a 7 MHz television channel.

The ANCOM Decision also amended the spectrum usage fee for the use of radio frequencies in maritime mobile, aeronautical mobile services, radiodetermination and for the use of radio frequencies in the event of temporary, occasional broadcasting of satellite news gathering (SNG) programmes.

Given that ship, aircraft and ground or coast stations have a well-defined and dedicated set of special frequency bands, irrespective of the actual equipment on the ship or aircraft, the distinction between ship, respectively aircraft types, based on criteria related to equipment or to navigation route, has been removed.

Moreover, the fee charging system for Complementary Ground Components (CGC) associated with satellite electronic communications systems in the 1980-2010 MHz/2170-2200 MHz bands has been set depending on the network type/on the number and location of CGC base stations. The two operators selected by the European Commission, Inmarsat Ventures PLC and Echostar Mobile Ltd, have the option of choosing between a fee for a CGC base station network deployed at national level and a fee for a CGC base station. The fee for a CGC base station was determined based on population density, urban building density, service area radius and locality type.

Furthermore, the same regulation clarified a number of provisions regarding the method of collecting the spectrum usage fee due by a licence holder, if the latter intiates - under the law - a process of full or partial assignment of its frequency usage rights to a third party.

6.1.4 Review of the usage conditions for licence exempt radio frequencies

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In 2018, ANCOM updated the provisions regarding the licence-exempt radio frequencies or frequency bands, in line with the legislative changes at European level, i.e. the Commission Implementing Decision (EU) 2017/1483 of 8 August 2017 amending Decision 2006/771/EC on harmonisation of the radio spectrum for use by short-range devices and repealing Decision 2006/804/EC, as well as Commission Implementing Decision (EU) 2017/1438 of 4 August 2017 amending Decision 2007/131/EC on allowing the use of the radio spectrum for equipment using ultra-wideband technology in a harmonised manner in the Community.

Thus, ANCOM issued Decision no. 888/2018 amending ANCOM President's Decision no. 311/2016 regarding the licence-exempt radio frequencies or frequency bands, published in the Romanian Official Journal no. 880 of 18 October 2018. Therefore, the radio frequency band allocated for the licenceexempt use of PMR 446 (walkie-talkie) equipment was extended to 446-446.2 MHz, which allows the use of PMR 446 digital equipment in Romania.

Moreover, ANCOM updated the technical specification for the RO-IR 15 radio interface "Equipment for private mobile radiocommunications PMR 446" and correlated some terms used in the speciality legislation.

6.1.5 Allotment of radio spectrum for terrestrial digital audio broadcasting services in Romania

In 2018, ANCOM proposed organising an auction for awarding digital terrestrial television (DTT) multiplexes. To this end, the Authority organised - in March 2018 - a public consultation to assess the market interest for the available spectrum in the VHF and UHF bands for terrestrial digital broadcasting services by means of a questionnaire. The questionnaire was addressed to all the providers interested in these multiplexes in order to find out their opinion on the manner and conditions for awarding the spectrum usage rights for these frequencies as well as the existing market players' or potential new entrants' intentions as regards their participation in a possible competitive selection procedure for awarding the available spectrum.

At the beginning of May 2018, the Authority publicly released the results of the questionnaire revealing the market's interest in organizing the auction. This involved legislative changes, such as developing proposals for setting the T-DAB multiplexes license fee and amending the decision on the procedure for charging the spectrum usage fee.

Taking into account the answers in the public consultation, in August, the Authority launched a public consultation on the Terms of Reference for the competitive selection procedure to be organised with a view to awarding licences for the use of radio frequencies in terrestrial Digital Audio Broadcasting

(T-DAB+) system and - in September - the Draft Government Decision on the corresponding licence fees. Thus, ANCOM proposed auctioning out one national T-DAB+ terrestrial digital audio broadcasting multiplex in the 223-230 MHz band (TV channel 12) and of one national T-DAB+ terrestrial digital audio broadcasting multiplex or 36 regional multiplexes in the 216-223 MHz band (TV channel 11). These multiplexes were to be awarded through a competitive selection procedure, for 10 years. The Terms of Reference also laid down the winners' obligations, which had to put into operation at least 10 transmitters and to launch service upon the installation and authorization of at least two transmitters in Bucharest, for each multiplex, within 2 years from the date of obtaining the licences. Winners of regional multiplexes will have the obligation to put into operation at least one transmitter in each allotment within 18 months from the date of obtaining the licences. The minimum licence fee for the national multiplexes was EUR 75.000. For the regional multiplexes, the minimum licence fee ranged, by allotment area, from EUR 1,050 to EUR 5,500.

During ANCOM's consultation, MCSI launched the Draft Strategy on the implementation of terrestrial digital audio broadcasting and ancillary multimedia services, a draft which ANCOM's auction documentation will have to take into account, if approved. The auction for awarding the spectrum required for the implementation of terrestrial digital audio broadcasting in

Romania was no longer held in 2018 and will be organised in 2019.

6.2 Radio spectrum management

6.2.1 Radiocommunications in the land mobile service

In the field of radiocommunications in the land mobile service. ANCOM manages the non-governmental frequency bands allocated to radiocommunications in the land mobile service according to the NTFA. The Authority aims mainly to ensure the reasonable and efficient use of the radio spectrum allocated to the land mobile service, to ensure radioelectric compatibility between the radiocommunications networks that use radio frequencies allocated to this service, and to prevent the occurrence of harmful interferences in the authorised land mobile radiocommunications networks.

6.2.1.1 Additional frequencies for broadband mobile communications systems

During 2018, ANCOM developed the Draft Position Paper on awarding spectrum usage rights in the new frequency bands harmonised on a European level for terrestrial systems capable of providing broadband wireless electronic communications services, i.e. 694-790 MHz (the 700 MHz band) and 1427-1517 MHz (the 1500 MHz band), as well as in the frequency sub-bands not awarded during the previous selection procedures - held in 2012 and 2015 - in the frequency bands 790-862 MHz (the 800 MHz band), 2500-2690 MHz (the



2600 MHz band) and 3400-3800 MHz bands.

The Draft Position Paper also envisages awarding new spectrum usage rights in the long run, in the whole 3400-3800 MHz band, as well as in the 24.25-27.5 GHz band (the 26 GHz band), which is in the process of harmonization for the introduction of 5G technologies.

The additional spectrum resources to be made available will contribute to ensuring spectrum resources needed for the efficient development of broadband communications services, in the context of the rapid growing mobile internet demand, using the existing tehnologies, as well as to the future implementation of new generation technologies, also known as 5G or IMT-2020.

The Draft Position Paper is aimed at setting the objectives, principles, conditions and procedure for awarding the spectrum usage rights in the frequency bands 700 MHz, 800 MHz, 1500 MHz, 2600 MHz, 3400-3800 MHz, for the provision of broadband public electronic communications networks and services, including the implementation of 5G in Romania, so as to ensure the optimum usage of the radio spectrum, to the benefit of end-users and of promoting competition in the mobile communications market.

ANCOM intends to make available to the electronic communications networks and service providers, in 2019, an amount of spectrum of 2x30 MHz, for the frequency division duplex (FDD)

operation mode in the 700 MHz band, 1x15 MHz for the supplemental downlink (SDL) mode in the 700 MHz band, 2x5 MHz (FDD) in the 800 MHz band, 1x40 MHz (SDL) in the 1500 MHz band and 2x40 MHz (FDD) in the 2600 MHz band.

ANCOM will award the spectrum usage rights in the 700 MHz and 1500 MHz bands for a validity period of 15 years, starting from 1 January 2020. As regards the frequency usage rights in the 800 MHz and 2600 MHz bands, ANCOM proposes to award them for a 10-year validity period, with effect from 01 January 2020. Setting a 10-year validity period takes into account the Authority's intention to align the expiry date of the frequency usage rights to be awarded in the 800 MHz and 2600 MHz bands with the expiry date of the licenses already issued in those bands, the validity of which is intended to be extended until 31 December 2029.

Concerning the 3400-3800 MHz band, maximum 90 MHz (TDD) will be available for allotment in the short run - 6 years (from 01 January 2020 to 31 December 2025) - and 400 MHz (TDD) in the longer run - 10 years (from 01 January 2026 to 31 December 2035). The shorter validity period of some spectrum usage rights was designed for the purpose of aligning the expiry date of these rights with that of the ones already awarded in this frequency band following the 2015 auction.

With a view to awarding spectrum usage rights in the available frequency bands, ANCOM proposes a competitive

selection procedure (an auction) similar to that organised in 2012 for the 800 MHz. 900 MHz. 1800 MHz and 2600 MHz bands, which consisted of a stage of clock auction primary rounds, followed by one or two additional sealed bidding rounds for the blocks still not awarded in the primary rounds and one sealed bidding round for awarding concrete blocks within each block category for the previous stages' winners of generic blocks. This procedure provides that an interested operator should submit an initial bid indicating the number of frequency blocks it intends to acquire in each of the available bands. The initial bids will show whether the demand exceeds, equals or is less than the amount of spectrum available in each of the frequency bands.

The selection procedure will be regulated by ANCOM President's Decision and will be detailed in the Terms of Reference of the selection procedure.

According to the schedule in the Action Plan proposed in the Position Paper, the auction will take place in the second half of 2019, and the licences are to be issued by 15 December 2019.

Prior to organizing the actual awarding procedure, ANCOM will refarm the 3400-3600 MHz band and will conclude the cross-border coordination agreements on the use of frequencies with the neighbouring countries. Moreover, the Authority will conduct a spectrum monitoring campaign on the frequency resources to be auctioned off.

Limited



The Draft ANCOM's Position on awarding rights of use for the spectrum resources available in the frequency bands 700 MHz, 800 MHz, 1500 MHz, 2600 MHz and 3400-3800 MHz and 24.25-27.5 GHz will be launched for public consultation in early 2019, with the final version to be adopted subsequently.

6.2.1.2 Professional mobile radiocommunications (PMR) and public access mobile radiocommunications (PAMR)

Managing the radio spectrum resource in the land mobile service. ANCOM - by means of its specialised unit at the Authority's headquarters granted, in 2018, 311 new licenses for the use of radio frequencies and 312 new frequency assignment authorizations for professional mobile radiocommunications networks and for public access mobile radiocommunications networks and services, by which it authorized 780

frequency assignments for radio stations in these networks.

Thus, in the field of professional mobile radiocommunications for private use, serving the internal needs of organisations or companies, the Authority issued in 2018:

- 128 new licences for the use of radio frequencies for private use radiocommunications networks - professional mobile radiocommunications (PMR);
- 128 frequency assignment authorisations, which are annexes to the licences for providing private use radiocommunications networks - professional mobile radiocommunications (PMR)

Authorizing:

• 578 frequency assignments for stations of PMR networks.

For the provision of public access mobile radiocommunications networks and services. ANCOM issued in 2018:

- 41 new licences for the use of the radio frequencies for providing public access mobile radiocommunications (PAMR) networks and services:
- 42 radio frequency assignment authorisations, which are annexes to the licences for PAMR networks.

Authorizina:

- 54 frequency assignments for radio stations of authorised PAMR networks During 2018, ANCOM also issued:
- 142 licences for the use of the radio spectrum on an occasional basis for providing PAMR networks and services, and professional mobile radiocommunications PMR networks:
- 142 radio frequency assignment authorisations, which are annexes to the licences for the use of the radio spectrum on an occasional basis for providing PAMR and PMR networks. authorizing:
- 148 frequency assignments for stations of PMR and PAMR networks provided on an occasional basis.

Moreover, the Authority handled the frequency assignment requests transmitted through the Ministry of Foreign Affairs, by foreign diplomatic missions accredited in Bucharest, on the occasion of high-level official visits to Romania, issuing therefor **72 temporary** frequency assignments in the land mobile service, during 2018.

In the regular spectrum management activity, ANCOM operated, upon the licence holders' request, technical and administrative amendments to 411 licences for the use of the radio frequencies and to **591** frequency assignment authorisations that are annexes to the licences, as follows:

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Table 6.1 Number of licences for the use of the radio spectrum and frequency assignment authorisations amended by ANCOM in 2018

Entity in charge	Licences for the use of radio frequencies for providing professional mobile radiocommunications (PMR) networks and public access mobile radiocommunications (PAMR) networks and services amended in 2018	Frequency assignment authorisations, which are annexes to the licences for the use of radio frequencies for providing professional mobile radiocommunications (PMR) networks and public access mobile radiocommunications (PAMR) networks and services amended in 2018	Licences for the use of radio frequencies for providing professional mobile radiocommunications (PMR) networks and public access mobile radiocommunications (PAMR) networks and services extended in 2018	Frequency assignment authorisations, which are annexes to the licences for the use of radio frequencies for providing professional mobile radiocommunications (PMR) networks and public access mobile radiocommunications (PAMR) networks and services extended in 2018
ANCOM Executive Division for Radio Spectrum and Numbering Management	25	101	17	19
Bucharest Regional Division	17	46	147	185
Cluj Regional Division	7	22	64	64
lasi Regional Division	17	21	71	78
Timis regional Division	8	16	38	39

6.2.1.3 International coordination of radio frequency use in the land mobile service

In the international coordination of the use of radio frequencies allocated to the land mobile service with the communications administrations of the neighbouring countries with which Romania has concluded frequency coordination agreements (Hungary and Ukraine), the Authority pursues mainly: compliance with the provisions of the international agreements and protocols regarding the coordination of radio frequencies in border areas to which Romania is a party; internal coordination with the government institutions as regards frequency use in the frequency bands with governmental use or in the frequency bands with shared governmental/non-governmental use; ensuring radioelectric compatibility and preventing harmful interferences in the land mobile radiocommunications networks operating in border areas.

Thus, during 2018, ANCOM's activity of international frequency coordination in the land mobile service resulted in 337 frequency assignment coordination actions conducted with the communications administrations from the neighbouring countries (Hungary and Ukraine), in frequency bands allocated to the land mobile service, of which 213 - with the communications administration of Hungary and 124 - with the communications administration of Ukraine.

During 2018, ANCOM specialists also participated in meetings of the HCM Agreement's Technical Working Group (TWG-HCM) and in those of the TWG-HCM's Sub Working Group Mobile Service (SWG-MS). Taking into account the obligations of Romania's communications administration as a signatory of the HCM Agreement, as well as the Authority's attributions as regards the implementation of international agreements in the electronic communications field to which Romania is a party, the Authority actively participated in the work of the working group engaged in the revision of the Agreement, presenting Romania's position on cross-border frequency coordination, in the land mobile service.

An important activity carried out by ANCOM in 2018 in cross-border frequency coordination was preparing the conclusion of bilateral/multilateral technical agreements with the communications administrations of Hungary and Serbia on the coordinated use of frequencies in border areas in several frequency bands allocated to the land mobile service, intended for the countrywide provision of public broadband mobile communications networks.

Thus, ANCOM specialists participated in the multilateral expert meeting held in Budapest, during 14-15 February 2018, on the coordinated use of frequencies in border areas, by the representatives of spectrum management authorities of Austria, Croatia, Hungary, Romania, Serbia, The Slovak Republic and Slovenia. During the meeting, ANCOM's representatives concluded technical

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arrangements for the coordinated use of frequencies in border areas for terrestrial systems capable of providing broadband electronic communications services in the frequency bands 694-790 MHz, 790-862 MHz, 1452-1492 MHz, 1920-1980 MHz/2110-2170 MHz.

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The technical arrangements concluded lay down specific coordination procedures applicable to technology neutral broadband terrestrial systems capable of providing electronic communications services in the frequency bands 694-790 MHz (700 MHz), 790-862 MHz (800 MHz), 1452-1492 MHz (1500 MHz), 1920-1980 MHz/2110-2170 MHz (2100 MHz), thus facilitating the deployment of new generation broadband technologies, while guaranteeing protection against mutual harmful interference to radio networks in border areas.

Upon concluding the technical arrangements on the coordinated use of frequencies in border areas in the 700 MHz and 1500 MHz bands, these provisions are applicable for our country bilaterally, in relationship with Hungary.

By concluding the technical arrangements on the coordinated use of frequencies in border areas in the 800 MHz and 2100 MHz bands, these provisions become applicable for our country bilaterally, in relationship with Hungary and, respectively, with Serbia, replacing the provisions of the technical arrangements previously concluded between Romania and Hungary for these bands and extending the regulation of

frequency use coordination areas at the border with Serbia, including in the trilateral coordination area Hungary-Romania-Serbia.

Furthermore, ANCOM's specialists participated in the bilateral expert-level meeting on radio spectrum management issues between ANCOM and the National Service for Radio Frequency and Cyber Security Management of the Republic of Moldova (SNMFRSC), which took place in lasi, during 19 -21 June 2018, where bilateral consultations were held to set up a general framework of technical criteria for cross-border coordination on the use of radio frequencies for mobile/ fixed broadband communications networks (MFCN) in the 694-790 MHz, 790-862 MHz, 1452-1492, 1920-1980 MHz/2110-2170 MHz and 2500-2690 MHz bands, with a view to concluding bilateral technical arrangements on the coordinated use of frequencies in border areas, in these bands.

The discussions bore on the technical issues provided in the relevant decisions of the Electronic Communications Committee (ECC) of the European Conference of Postal and Telecommunications Administrations (CEPT) on harmonized technical conditions at European level for the use of the frequency bands 694 -790 MHz, 790-862 MHz, 1452-1492 MHz, 1920-1980 MHz/2110-2170 MHz and 2500-2690 MHz and in the most recent relevant recommendations of the same European technical body on cross-border coordination of frequency utilization for technologically neutral terrestrial

broadband electronic communications systems, in order to identify the possibilities for implementing the regulations adopted at European level for coordinating the use of frequencies in border areas, in the respective bands.

Following the analysis of the relevant technical aspects of the abovementioned technical regulations, and given the current and planned use of the respective frequency bands in each of the two countries, the experts of the two entities agreed the general framework of technical criteria, methods and principles for the coordination of frequency use in border areas, in the respective bands.

The principles, technical criteria and methods agreed by the representatives of the two entities will underpin the conclusion of bilateral technical arrangements between the Romanian and Moldovan spectrum management authorities on the coordinated use of frequencies in border areas, for mobile/ fixed broadband communications networks in the frequency bands 694-790 MHz, 790-862 MHz, 1452-1492 MHz, 1920-1980 MHz/2110-2170 MHz and 2500-2690 MHz.

6.2.2 Radiocommunications in the fixed service

In its regular activity in the radiocommunications field of the fixed service, the Authority manages the frequency bands allocated by the NTFA to the fixed service, with exclusive or shared non-governmental use. The main goals of this activity envisage the rational and efficient use

of the radio spectrum allocated to the fixed service and ensuring the radioelectric compatibility between the radiocommunications networks in this service.

In 2018, the Authority's specialists continued implementing ANCOM President's Decision no. 390/2015 on adopting the strategy and the action plan for the roll-out and development of national broadband communications systems in the 3400-3800 frequency band during 2015-2025, in the vein of the activities initiated in 2017.

In the action plan adopted by the normative act, one of the medium-term (2017-2022) measures provides that if the spectrum available in the 3400-3800 MHz band has not been fully awarded in the selection procedure (as it happened in the 2015 selection procedure), ANCOM will analyse the opportunity to launch a new selection procedure for licensing the use of radio frequencies. Thus, in order to assess that opportunity, ANCOM will organize a public consultation inviting operators to express their firm intention to participate in a selection procedure with a view to acquiring usage rights in the 3400-3600 MHz and/or 3600-3800 MHz bands. respectively.

The 3.4 - 3.8 GHz band is currently harmonised at European level as a primary band for the introduction of 5G electronic communications networks and services by 2020, since it has already been harmonised for MFCN and offers greater bandwidth radio channels.

The public consultation conducted in 2017, on awarding new frequency usage rights in five frequency bands (including 3400-3800 MHz), revealed the interest of the operators in the Romanian electronic communications market for acquiring usage rights also in the above-mentioned frequency band, in a selection procedure for multiple bands.

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That is why, in preparation for this selection procedure (to be held in 2019), in 2018, ANCOM developed the Position Paper on awarding new spectrum usage rights for the frequencies available in several bands harmonized at European level for terrestrial systems capable of providing broadband radio electronic communications services, including the 3400-3800 MHz and 24.25-27.5 GHz (the 26 GHz band) bands.

The 26 GHz band, currently under harmonisation at EU level, has been included in the Position Paper (although it was not included in the document submitted to public consultation in 2017) as it is considered a pioneer band for early harmonization with a view to the introduction (by 2020) of 5G-based broadband wireless electronic communications services in Europe. This band offers more than 3 GHz of contiguous spectrum and allows increased capacities and 5G data transfer speeds. However, the 24.5-26.5 GHz band is currently designated at European level for medium/high capacity fixed links (and is also used in Romania for such applications), which will require a refarming of use in the above-mentioned frequency band.

The draft document referred to above was drawn up before the end of 2018 but was finalized and launched for public consultation in January 2019.

During 2018, the Authority issued new authorisation documents, as follows:

- one licence for the use of frequencies for fixed links, for permanent radio transmissions (for feeder links of audio broadcasting transmitters);
- 3 radio frequency assignment authorisations, for radio relay links, for permanent radio transmissions (for fixed links designed to ensure the feeder links for audio broadcasting transmitters);
- 1,897 frequency assignment authorizations for 1,897 fixed links for voice/data transmissions, which are part of the national wireless infrastructure networks (these infrastructure networks ensure the transport of the traffic generated on the public mobile communications networks using various technologies, as well as on the public fixed/ mobile communications networks (MFCN), including point-to-multipoint (PMP) networks for end-to-end broadband wireless access (BWA) data transmissions, irrespective of the access type: fixed wireless access (FWA), nomadic wireless access (NWA) or mobile wireless access (MWA), as the case may be:
- 2 licences for the use of radio frequencies and the corresponding frequency assignment authorisations, for temporary experimental radio

transmissions (both of them being designed for testing 5G technologies, in high frequency bands ranging from 20 to 30 GHz).

In 2018, among the spectrum management activities involving the frequency bands allocated to the fixed service, the Authority performed frequency assignments, issuing prior approvals for radio relay links, grouped by complex networks for voice/data transmissions, and for feeder links corresponding to audio broadcasting transmitters.

6.2.3 Audio and TV broadcasting

In the audio-visual field, in 2018, ANCOM continued the activity of coordination of the digital terrestrial television plan in the 470-694 MHz band with the neighbouring countries, in order to comply with the provisions of Decision (EU) 2017/899 of the European Parliament and of the Council on the use of the 470-790 MHz frequency band in the Union. In this respect, after participating in the coordination meetings of the South-European Digital Dividend Implementation Forum (SEDDIF) in 2017, ANCOM's representatives took part in the meetings of the Black Sea Digital Dividend Implementation Forum (BSDDIF). BSDDIF is a radio spectrum cooperation and coordination platform initiated at a regional level by spectrum administrations in the Black Sea area interested in rearranging the television channel allocations agreed by the Geneva Plan 2006, due to the introduction of new digital terrestrial

television standards and to the need of improving the usage efficiency of the frequency spectrum in order to make the 700 MHz band available for mobile services. The Ukrainian Authority ensured the presidency of the BSDDIF, while the rest of the membership consisted of Bulgaria, The Republic of Moldova, Romania, Georgia and Turkey. The BSDDIF meetings were held in March and December 2018, on which occasions the frequency plans were negotiated. Romania's agreements with Ukraine and The Republic of Moldova are to be completed and signed in 2019.

Compliance with the provisions of Decision (EU) 2017/899 of the European Parliament and of the Council on the use of the 470-790 MHz frequency band was also pursued in ANCOM's developing the National Roadmap on the allotment and future use of the frequency band 470 – 790 MHz, which was submitted to public consultation and subsequently adjusted, in 2018.

Moreover, in 2018, ANCOM initiated the first auction for T-DAB+ terrestrial digital audio broadcasting, launching the required documentation for public consultation, with the aim to finalize the auction in 2019. Prior to launching the documentation for public consultation, the Authority consulted the market by publishing a questionnaire, aimed at revealing the views and the priorities of the entities interested in terrestrial digital audio broadcasting, and the answers received were taken into consideration in drawing up the auction documentation.



Apart from the terrestrial digital broadcasting-related activities, the Authority also focused on the management of the radio spectrum

for audio broadcasting and for the retransmission of audio-visual programmes by means of MMDS (Multipoint Multichannel Distribution Systems).

Following the requests submitted by the CNA (National Audiovisual Council), due to applications for the setup of new FM radio stations received from various operators, ANCOM transmitted a list of 20 frequencies to be made available by contest. Thus, in an almost saturated market in certain regions of the country (especially in urban centres), the identification of 20 new frequencies implied the elaboration of a very complex technical analysis, including interactive coordination of these frequencies with the neighboring countries.

Given the development of fibre optic communications, in 2018, MMDS saw further decrease in areas where fibre optic infrastructure was available. Thus, out of the initial 21 licences for the use of frequencies for MMDS valid at the beginning of the year, ANCOM cancelled 7 licences, amended 3 licences and issued one new licence, therefore there were 15 MMDS licences in force at the end of 2018.

In 2018, the Authority handled the following:

Digital terrestrial television:

- one new licence for the use of DTT frequencies;
- 2 amended licences for the use of DTT frequencies;
- 228 frequency assignment authorisations (111 new and 117 amended authorisations).

Analogue audio broadcasting:

- 376 emission licences were issued or amended:
- **45** other requests for amending technical parameters.

Table 6.2 Number of new/amended technical authorisations and number of TV stations for which technical measurements were performed

	New technical authorisations	Amended technical authorisations	Total technical authorisations	No. of stations for which technical measurements were performed
Bucharest Regional Division	3	-	23	3
Cluj Regional Division	1	-	16	3
lasi Regional Division	1	-	19	3
Timis Regional Division	10	-	10	10

Table 6.3 Number of new/amended technical authorisations and number of sound broadcasting stations for which technical measurements were performed

	New technical authorisations	Amended technical authorisations	Total technical authorisations	No. of stations for which technical measurements were performed
Bucharest Regional Division	5	120	299	42
Cluj Regional Division	12	178	263	52
lasi Regional Division	10	102	203	33
Timis Regional Division	3	124	175	21

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As regards the international coordination for the use of frequencies, 695 requests from neighbouring countries were analysed and solved in 2018, both through BRIFIC (ITU-BR International Frequency Information Circular (Terrestrial Services)), and by direct correspondence:

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- BRIFIC (Austria, Bosnia and Herzegovina, Bulgaria, Greece, Hungary, North Macedonia, Montenegro, Slovenia, Turkey, Ukraine)
 603 requests (174 - FM audio broadcasting stations, 76 - T-DAB terrestrial digital audio broadcasting and 353 - DVB-T digital terrestrial TV):
- direct correspondence (Austria, Bosnia and Herzegovina, Hungary, Republic of Moldova, Poland, The Slovak Republik, Ukraine) - 92 stations (20 FM audio broadcasting, 72 DVB-T digital terrestrial TV).

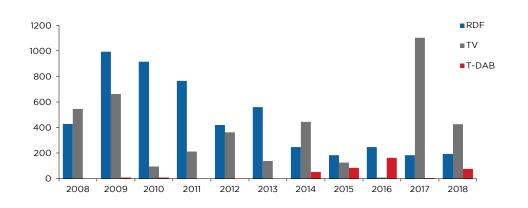
6.2.4 Aeronautical, Maritime, Satellite and Amateur Radiocommunications

6.2.4.1 Radiocommunications in the fixed- and mobile-satellite services

I. Radiocommunications in the fixed satellite service (FSS)

An important segment of this radiocommunications service, with significant impact on the end-users, is represented by the conveyance of audio and/or TV broadcasting programmes to the satellite, with a view to their distribution to CATV networks or to direct broadcasting to the public. At the end of 2018, ANCOM was managing 19 licences for the use of frequencies for satellite communications stations designed for the uplink of audio and/or TV broadcasting programmes, serving 141 audio and television broadcasting programme services in Romania.

Exhibit 6.1 Dynamics of the coordination requests regarding broadcasting services received from neighbouring countries



The two direct-to-home (DTH) platform operators offering satellite television services on the Romanian market and having licenced uplink stations on the Romanian territory are: RCS&RDS (Digi TV) and Telekom Romania Communications (Dolce TV).

For transportable DSNG (Digital Satellite News Gathering), that are designed for occasional, temporary transmissions to the studio of interviews, news, cultural/ sports events and of other audio-visual productions from outside the studios, at the end of 2018, ANCOM was managing **47** frequency assignment authorisations for the **14** operators holding licences for the use of frequencies for SNG applications. Furthermore, in 2018, ANCOM issued 7 temporary licences for the use of frequencies for 7 portable DSNG stations owned by foreign operators, used for occasional, temporary transmissions via satellite towards studios outside Romania of reportages, news, cultural/sports events and of other audio-visual productions from Romania.

Public or private satellite networks, ensuring the transmission of data, voice and internet services, are another important segment within this radiocommunications service. At end-2018, ANCOM was managing 17 licences for the use of radio frequencies in the fixed satellite service (4 for satellite networks, and the rest for individual VSAT terminals) and 92 frequency assignment authorisations for HUB stations and Very Small Aperture

Terminals (VSAT) in the architecture of such networks.

Globally, in the recent years, new satellite networks in the Ka bands (17.0-30.0 GHz) have been launched. Ka band satellites typically use narrow beams, which increases the efficiency of spectrum usage and allows the use of ever smaller antennas in terminals. Increased spectrum efficiency also enables broadband communications at lower costs compared to systems operating in Ku bands.

At end-2018, the provision of satellite communications services, designed for data transmissions in Ka bands. on the territory of Romania, was ensured by three operators - **Inmarsat** Global Limited (Inmarsat network). **Eurobroadband Services (Eutelsat** network) and Viasat (Eutelsat network) - that held the corresponding **licences** for the use of frequencies. In the coming years we expect requests for the authorization of ESOMP stations (Earth Stations on Mobile Platforms) operating in Ka bands. These are terminals with small directional antennas used for broadband communications, which can be mounted on aircraft, vessels, land vehicles or portable platforms used both in motion and - temporarily - at fixed locations. These terminals mounted on vessels or aircraft can be operated in both national airspace and territorial waters and in international airspace and waters.

II. Radiocommunications in the mobilesatellite service (MSS)

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Currently, the following operators provide Satellite Personal Communications Services (S-PCS) in Romania: Iridium Satellite LLC (by means of IRIDIUM), Global Communications Services Romania (by means of THURAYA), and INMARSAT Global Limited (by means of INMARSAT).

In 2018, ANCOM managed 7 licences for the use of frequencies, for users holding 10 mobile terminals in various INMARSAT standards.

By their very nature, satellite communications transcend national borders and, consequently, they need to be addressed by international and regional regulations, in addition to national regulations. In order to facilitate the development of a competitive internal market for satellite mobile services (MMS), throughout the EU. and to gradually ensure the coverage in all Member States, the European Commission has set up a community procedure for selecting mobile satellite operators using the 2 GHz band which comprises radio frequencies from 1980 MHz to 2010 MHz for Earth-tospace communications and from 2170 MHz to 2200 MHz for space-to-Earth communications. Inmarsat Ventures Limited and Solaris Mobile Limited were the two winners at European level.

Moreover, in 2018, ANCOM amended the fee charging system for Complementary

Ground Components (CGC) associated with satellite electronic communications systems in the 1980-2010 MHz/2170-2200 MHz bands, which has been set depending on the number and location of CGC base stations. Thus, the two operators selected by the European Commission, Inmarsat Ventures Ltd and Echostar Mobile Ltd, may choose between a fee based on the number and location of CGC base stations and a fee based on the frequency band used at a national level. The fee for a CGC base station was determined based on service area radius and on the rank of the closest locality.

The introduction of new systems providing Mobile Satellite Services (MSS) contributes to the development of the internal market and enhances competitiveness by increasing the availability of pan-European services and connectivity between end-users, as well as by encouraging efficient investment. MSS is an innovative alternative for different types of pan-European telecommunications and broadcasting/ multicasting services, regardless of the geographic position of end-users. such as high-speed Internet access/ intranet, mobile multimedia services. civil protection and disaster relief. These services improve the coverage of rural areas in the European Community by reducing the digital divide in geographic terms, enhancing cultural diversity and media pluralism while contributing to the competitiveness of Europe's information and communications technology industries.

6.2.4.2 Radiocommunications in the maritime mobile and maritime mobile-satellite services, including on inland waterways and maritime radionavigation

Maritime transport is a vital component of human activity globally. Over 80% of the products traded worldwide are transported by sea. A wide variety of radiocommunication technologies are used to carry out efficient shipping and to ensure the safety and security of both human life at sea and of the transported goods. All these communications technologies add a lot of pressure on radio spectrum resources and therefore accurate and efficient spectrum management is vital for the smooth development of this activity.

These technologies have been developed taking into account the needs of navigation and maritime trade and therefore ships use a wide variety of onboard communications equipment to be in a position to receive and transmit relevant data.

However, the most important activity supported by maritime radiocommunications is the protection and rescuing of human life and property at sea and on inland waterways. Given the current dramatic climate changes as well as the steady increase in the volume of traffic at sea and on inland waterways, as well as in the shipping capacity available on vessels, a key element in the search and rescue operations is providing for clear, reliable and robust communications, free of harmful interference, which is a vital component

in situations where human life is at risk. Minimising response time makes a significant difference between successful operations, and failures that lead to loss of human lives.

The new concept called the **Maritime Autonomous Surface Ships** (MASS) is the maritime equivalent of Unmanned Aircraft System (UAS). Unmanned ships on board will be a key element in the future for SAR (Search And Rescue) actions. ANCOM is actively involved in the European and international studies in this field.

In 2018, ANCOM efficiently managed the radio spectrum allotted to ship radiocommunications services covering maritime mobile and maritime mobile-satellite services, including maritime radionavigation and on inland waterways. ANCOM is very active in supporting the introduction of digital communications in maritime radiocommunications, as channelled in the provisions of the Radio Regulations of the International Telecommunication Union. In this respect, ANCOM actively participated in the studies conducted at European and international level (ITU-R) regarding the modernisation of the maritime distress system -GMDSS, the market entry of new providers of GMDSS maritime satellite communications (IRIDIUM) and the setup of the new digital navigation and data control system dealing with maritime Security Information (MSI) known as NAVDAT, Moreover, ANCOM has also been involved in defining and regulating new autonomous maritime

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radiocommunication equipment, called AMRD. Such equipment is vital for buoying fishing nets, locating/recovering autonomous divers returning to the surface, or signalling obstacles on navigation routes (e.g. wrecked ships).

ANCOM is also actively involved in supporting the maritime industry in Romania, authorizing, during the trial period, the ship stations for new



vessels built in Romanian shipyards and undergoing both yard and sea trials, under real conditions. The validity of these experimental authorizations is limited to the period when the ship is under the Romanian flag. In 2018, ANCOM analysed and issued 31 experimental licences along with 31 accompanying frequency assignment authorisations for shipyard trial stations while under Romanian pavilion.

Moreover, in 2018, ANCOM analysed and issued **65** licenses for the use of frequencies and **318** frequency assignment authorizations for the maritime mobile and maritime mobilesatellite services, for the radiotelephone service on inland waterways and for maritime radionavigation services.

6.2.4.3 Radiocommunications in the aeronautical mobile and aeronautical mobile-satellite services, including aeronautical radionavigation

In 2018, ANCOM kept managing the aeronautical mobile and aeronautical mobile-satellite services, including aeronautical radionavigation services, ensuring that both the requirements imposed by ITU's Radiocommunications Regulations and those provided by Annex 10 to the Convention of the International Civil Aviation Organisation (ICAO) are observed.

By participating actively in the study and spectrum management groups on the frequency spectrum of aeronautical services, in 2018, ANCOM worked closely with communications administrations on international level

and with other regional organizations, substantially contributing to the process of developing and structuring new concepts on aircraft tracking, routing and search and rescue - known as Global Flight Tracking (GFT) and **Global Aeronautical Distress and** Safety System (GADSS). ANCOM was involved in these activities both as vicepresident of ITU-R Study Group 5 and as participant in the ICAO frequency Spectrum Management Panel (FSMP). GADSS will be a complex and fully automated system tracking all the flight phases under all circumstances, including distress situations.

Furthermore, ANCOM was involved in studies on the possible allocation of radio spectrum for Unmanned Aircraft Systems - **UAS** (also known as **drones**) and Maritime Autonomous Surface Ships - MASS, areas that witness impressive development both under the market pressure, and as a need on industrial level.

In 2018, ANCOM analysed and issued 90 licences for the use of frequencies and 421 frequency assignment authorisations for the aeronautical mobile and aeronautical mobile-satellite services and aeronautical radionavigation services.

6.2.4.4 Radiocommunications in the radiodetermination (radiolocation) service

In 2018, ANCOM also managed the frequency spectrum allotted to the radiodetermination (radiolocation)

service, thus contributing to the forecast of meteorological conditions on a national and regional level, for airport safety and in other activity areas requiring the position determination of any objects (storm cells, clouds, air or ground targets etc.). This domain is highly specialised, and the radiolocation activity is permanently developing state-of-the-art technologies. In 2018, ANCOM watched with a view to protecting the frequency spectrum for radiolocation, and to accurately manage the issued authorisations. Thus, ANCOM managed the licences and the frequency assignment authorisations issued to the National Meteorology Administration, to the National Administration "Apele Române" and to the National Airports Company of Bucharest. We mention that aeronautical, respectively maritime radiolocation services were treated as radionavigation services within the respective services. In 2018, the Authority issued 3 licences and 72 frequency assignment authorisations. Furthermore, ANCOM issued one experimental licence with 2 accompanying frequency assignment authorisations for testing Automotive Radar Solution equipment.

6.2.4.5 Alpha-numerical identification of ship stations and aircraft stations

ANCOM is the regulatory authority in the field and, based on the provisions in force at international level, it allots, monitors and manages the identifications used in aeronautical and maritime radiocommunications.

Contact

In 2018, ANCOM efficiently managed the database of numerical and alphanumerical identifications and made the necessary allocations for the proper operation of the radio stations in the maritime, aeronautical and inland waterways services. Moreover, ANCOM is the only administration in Europe to have introduced – on a national level – the identification of VHF stations on inland waterways.

Furthermore, ANCOM reports, on a regular basis, the identifications allocated to maritime ship stations to ITU's specialized Maritime Mobile Access and Retrieval System (MARS) as well as the identifications allocated to ship stations on the inland waterways, to databases set up at a European level: the Automatic Transmitter Identification System (ATIS) and the Mobile Maritime Service Identification Inland (MMSI). which are managed by the Belgian administration (BIPT). ANCOM also certifies call signs for aircraft stations proposed by the Romanian Civil Aviation Authority, through the aircraft operational authorisation documents i.e. the aircraft station authorisations.

In 2018, ANCOM managed **2,292** ATIS, MMSI and call-sign identifications.

6.2.5 Certification of radio operators in the aeronautical and maritime radiocommunications services

The operation of aircraft and ship radiocommunication stations is subject to well-defined, harmonized and internationally recognized rules to ensure that any ship benefit from

the same communications conditions in any part of the world it may navigate, operate or land. With a view to meeting these requirements, the radiocommunication station operator of these services is certified according to strictly harmonized global rules.

Thus, certifying the operating personnel of the radiocommunications stations in the maritime mobile and maritime mobile-satellite (including on inland waterways), aeronautic mobile and aeronautic mobile-satellite services is regulated by the ITU's Radiocommunications Regulations that establish the need for certification, issuance of certificates, their content, and the requirements to be observed by administrations in the process of certifying radio operators. Moreover, based on Article 6 of the ITU RR, radio operators on board ships sailing on European inland waterways are also certified.

By this activity, ANCOM ensures a high competence standard for the operating personnel in watch teams and in command crews of ships and aircraft, as well as for the personnel in the air traffic control and ship movement management centres, and for the personnel of the maritime and aeronautical authorities, since radio operators ensure both regular aeronautical and maritime radiocommunications, and especially those necessary in search and rescue missions.

Holding a radio operator certificate in the aeronautical and/or maritime services is a mandatory requirement for legally conducting the current activity of the personnel in command of ships and aircraft, of the personnel in charge of managing the ship movement and air traffic control, as well as of the personnel in maritime and aeronautic authorities.

Apart from the segment of professional users, there are radio operators on board of private aircraft (Ultra Light Aviation) and pleasure boats, whose number grew exponentially. These radio operators use techniques, procedures and frequencies of the professional radiocommunications

segment, on a voluntary basis. Such radio operator certificates are also regulated and harmonised by ITU RR.

In 2018, ANCOM authorised **3,985** radio operators for the aeronautical mobile and aeronautical mobile-satellite services, maritime mobile and maritime mobile-satellite services, as well as for radiocommunications on inland waterways and on board of pleasure boats.



6.2.6 Authorisation and certification of radio amateurs and of radio operators in the land mobile service

Table 6.4 Documents issued in the amateur radiocommunications service and certification of radio operators in the land mobile service, in 2018.

	Regional Divisions				
	Bucharest	Cluj	lasi	Timis	Total
Radioamateurs					
Amateur authorisations (new and extended)	198	111	142	125	576
Amateur certificates	40	33	63	35	171
(Ordinary and extraordinary) examination sessions for radio amateur certificates	4	3	3	4	14
Radio amateur authorisations in force at the end of 2018	1,823	674	757	666	3,920
Radio amateur certificates in force at the end of 2018	2,330	3,113	2,850	2,432	10,725
Certification of radio opera	ators in the la	nd mobile s	ervice		
Certificates issued in the land mobile service	377	125	223	145	870
(Ordinary and extraordinary) examination sessions for radio operator certificates in the land mobile service	12	10	6	6	34
Certificates in the land mobile service in force at the end of 2018	5,113	1,093	1,462	927	8,595

6.3 Management of numbering resources and of technical resources

ANCOM makes available to the providers of publicly available electronic communications networks or services the numbering resources or associated technical resources required in the provision of services or for network operation. The management of numbering resources and of the associated technical resources shall be carried out in the light of the following objectives: observance of the principle of equal treatment for all providers, allocation of associated numbering resources or technical resources for all categories of publicly available electronic communications services and the effective, rational and efficient use of numbering resources and associated technical resources.

6.3.1. Management of numbering resources

6.3.1.1 Assignment of numbering resources

In 2018, ANCOM received 22 requests for the assignment of numbering resources, issuing 19 licences.

Moreover, ANCOM settled 27 requests for the renewal of licences with a validity term until 2018, 3 requests for licence amendment and one request for full transfer of numbering resources, the transfer resulting in the issuance of 8 licences.

Following the settlement of the requests mentioned above, the volume

of numbering resources assigned in 2018 corresponding to various NNP numbering domains is presented below, in table 6.5.

According to the requests received, in 2018, no national short numbers of the 116xyz, 118xyz or 19vx format and nor 10xy sau 16xy carrier selection codes were assigned.

6.3.1.2 Numbering resources vacated upon the amendment or cessation of a LURN

During 2018, certain numbering resources were vacated due to requests for partial or full waiver of the LURN submitted by certain holders, in the cases of cessation of the right to provide the electronic communications services for which the respective numbering resources were granted, in LURN transfer cases, and in cases of LURN validity expiry.

Thus, ANCOM issued 21 decisions on the full or partial cessation of the right to use the numbering resources.

Thus, the following numbering resources were vacated (see table 6.6 below).



Table 6.5 Numbering resources assigned by blocks

Romania

Strategy

NNP domain	Numbers assigned	
0Z=02 10-digit geographic numbers	-	
0Z=02 7-digit geographic numbers intended for local inter	est services	40
0Z=03 10-digit geographic numbers		760,000
OZ=03 7-digit geographic numbers for local interest service	110	
0Z=03 non-geographic numbers (location-independent)	50,000	
OZ=07 mobile non-geographic numbers	5,100,000	
0800 0Z=08 non-geographic numbers for various services 0805 0808 0870		2,000 - - - -
OZ=09 non-geographic numbers for Premium Rate services	0900 0903 0906	- - -

According to the requests received, in 2018, no national short numbers of the 116xyz, 118xyz or 19vx format and nor 10xy sau 16xy carrier selection codes were assigned.

Table 6.6 Numbering resources vacated, by blocks:

NNP domain	Vacated numbers	
OZ=02 10-digit geographic numbers		-
0Z=02 7-digit geographic numbers		-
OZ=03 10-digit geographic numbers		1,300,000
0Z=03 7-digit geographic numbers		20
OZ=03 non-geographic numbers (location-independent)		60,000
OZ=07 non-geographic mobile numbers		3,200,000
OZ=08 non-geographic numbers for various services 0800 0801 0805 0808 0870		6,000 1,000 1,000 5,000 1,000
0Z=09 non-geographic for Premium Rate services	0900 0903 0906	4,000 3,000 2,000

Table 6.7 Numbering resources vacated, by unit (national short numbers and

Categories	Vacated
10xy codes	1
16xy codes	4
116xyz national numbers	-
118xyz national numbers	-
19vx national numbers	-

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By end-2018, there were 57 LURN holders.

Table 6.8 Overview of the LURN holders, by categories of numbering resources held

Category	Number of providers
10-digit geographic numbers starting with 02	9
7-digit geographic numbers starting with 02	10
10-digit geographic numbers starting with 03	39
7-digit geographic numbers starting with 03	10
Location-independent numbers starting with 037	37
Non-geographic mobile numbers starting with 07	7
Non-geographic numbers for various services starting with 08:	
• freephone access (starting with 0800)	30
shared cost services (starting with 0801)	4
bursty traffic services (starting with 0805)	6
• indirect access to services (starting with 0808)	12
access to data transmission and internet access services (starting with 0870)	5
Non-geographic numbers for Premium Rate services starting with 09:	
• entertainment, games and contests (starting with 0900)	11
 miscellaneous (general, business, marketing, useful info etc.), entertainment, games and contests (starting with 0903) 	11
adult entertainment (starting with 0906)	10
Two-step dialling carrier selection codes within the 10xy range	3
One-step dialling carrier selection codes and carrier preselection codes within the 16xy range	11
National short numbers for the provision of directory enquiry services within the 118xyz range	3
National short numbers for the provision of European harmonised services within the 116xyz range	2
National short numbers for the provision of national public interest services within the 19vx range	3

Total amount of NNP resources assigned between 2003 and 2018:

Table 6.9 Numbering resources assigned, by blocks

NNP domain		Numbers assigned
OZ=02 10-digit geographic numbers		11,410,000
0Z=02 7-digit geographic numbers		3,610
0Z=03 10-digit geographic numbers		12,302,000
0Z=03 7-digit geographic numbers		590
OZ=03 non-geographic (location-independent) numbers		3,380,000
OZ=07 non-geographic mobile numbers		68,300,000
OZ=08	0800 0801 0805 0808 0870	141,000 103,000 7,000 115,000 54,000
OZ=09	0900 0903 0906	21,000 21,000 20,000

Table 6.10 Numbering resources assigned, by unit (national short numbers and carrier selection codes) as of 31 December 2018

Categories	Assigned numbers/codes
10xy codes	3
16xy codes	11
116xyz national numbers	3
118xyz national numbers	7
19vx national numbers	7

Postal

services

6.3.2 Management of technical resources

6.3.2.1 Management of the right to use SS7 national and international signalling point codes

In 2018, ANCOM issued one individual decision for the allocation of international signalling point codes (ISPC). Through this decision, a total amount of 2 ISPC codes were allocated.

Furthermore, one individual decision on the cessation of the right to use SS7 national signalling point codes (NSPC) was issued. This decision revoked the right of use for one NSPC block (respectively 8 codes).

The overall status of the national NSPC and ISPC allocations at end-2018 was as follows:

- 55 providers held NSPCs:
- 21 providers held ISPCs.

6.3.2.3 Management of the right to use network identification codes

A network identification code (NIC) is a 17xy code that identifies the originating network of a call, and is used when the interconnection between the originating network and

the terminating network is achieved by switched transit, through third party services.

In 2018, ANCOM did not issue any decisions granting/revoking the right to use NIC.

Table 6.13 NIC allocations

Domain	No. of providers	Total NICs allocated by ANCOM
NIC	32	32

Table 6.11 MNC allocations as of 31 December 2018

Domain	Total no. of blocks allocated to Romania	Total no. of codes allocated to Romania	Total no. of blocks allocated by ANCOM	Total no. of codes allocated by ANCOM
ISPC	8	64	-	54
NSPC	-	-	262	2,096

6.3.2.2 Management of the right to use mobile network codes

The providers of public mobile networks use Mobile Network Codes (MNC) to establish the international mobile subscriber identity (IMSI).

In 2018, ANCOM issued one decision revoking the right to use MNC, for one provider.

6.3.2.4 Management of the right to use routing numbers

Routing numbers (RN) are allotted to the providers of publicly available telephone services that are acceptor providers in the number portability process. Based on the network structure. a RN can identify either the acceptor

provider or a switch in the acceptor provider's network.

In 2018, ANCOM issued 2 decisions granting the right to use 4 RNs and 4 decisions withdrawing the right to use 4 RNs.

Table 6.14 RN allocations

Domain	No. of providers	Total RNs allocated by ANCOM		
RN	60	265		



Tabel 6.12 Situația alocării codurilor de rețele mobile la 31 decembrie 2018

Domain	No. of providers	Total MNCs allocated by ANCOM		
MNC	10	13		

The 5G for

Monitoring, control activities and surveillance of the equipment market

The monitoring and control activity carried out by ANCOM aims mainly at ensuring the enforcement and observance in practice of the provisions of the legislation and regulations imposed by the Authority in order to promote competition in the electronic communications and postal services markets, as well as to protect the users' rights and interests. Monitoring the radio spectrum with non-governmental usage is aimed both at supporting the efficient spectrum management process and at verifying compliance with the obligations contained in licenses for the use of radio frequencies and in the frequency assignment authorizations or in the regulations in the field of electronic communications using the radio spectrum.

ANCOM's monitoring and control activity is performed by the control staff at the headquarters and within the 41 territorial structures (regional divisions and county units). Of the 624 ANCOM employees, at 31 December 2018, 294 had also control duties.

The main tasks of the Regional Divisions are the monitoring, control and management of the radio-electric spectrum, the technical control in the field of radiocommunications and telecommunications, the monitoring, control and authorization of regional and local networks. The main tasks of the county units are the guidance, surveillance and control of compliance with the obligations provided by the applicable laws in ANCOM's specific field of activity or imposed by ANCOM, as well as the observance of other obligations applicable to the providers of electronic communications networks and services, to postal service providers and to the users of limited resources within the institution's scope of administration. Moreover, the control staff also assists the communication operators in understanding the provisions of the normative acts and the procedures to be followed for their operation in full legality.

In 2018, ANCOM achieved 100% of its control plan for verifying the compliance of the providers of electronic communications and of postal services with their obligations and 97.34% of the annual plan of monitoring the radio frequency spectrum.

7.1 Radio spectrum monitoring

The monitoring of the radio spectrum with non-governmental use pursues the following objectives:

- resolve the cases of harmful interferences in the spectrum,
- uphold the processes of efficient spectrum management, respectively surveillance and control of the compliance with the obligations under the licences for the use of radio frequencies/emission licences and under the frequency assignment/ technical authorisations,
- identify breaches of the international and/or bilateral spectrum agreements by the providers/operators from the neighbouring countries.

ANCOM uses the data gathered following the spectrum monitoring activity to identify and track unauthorised emissions, verify compliance with the technical parameters specified in the authorisation documents, determine the actual spectrum occupancy on frequency bands by comparison with the theoretical occupancy under the authorisation documents.

ANCOM conducts its spectrum monitoring activity mainly based on the Annual Monitoring Plan (AMP), on monitoring campaigns or as a result of requests and notifications received during the year.

The data gathered during the monitoring activity are analysed and processed, with the following subsequent actions:

- recommendations for the purpose of removing harmful interferences;
- identification and tracking of; unauthorised emissions; provision of such information to the ANCOM control units for initiating legal followup proceedings;
- identification of the transmitters in breach of the authorised emission parameters: provision of such information to the Authority's control units for legal follow-up proceedings;
- identification of the frequencies or frequency bands with a high risk of congestion or which already experience harmful interferences or international coordination issues;
- identification of the frequencies or frequency bands insufficiently used, for the purpose of their reuse or - if such is the case - of their refarming.

ANCOM is now using a new National Spectrum Monitoring System (SNMS), which consists of:

- 24 new generation monitoring and direction detection stations, equipped to identify and track broadband emissions;
- 12 new generation monitoring stations able to identify broadband emissions.

1Part of the old system spectrum monitoring stations are also used, respectively:

- 2 transportable monitoring stations;
- 10 mobile monitoring stations (installed on special vehicles).

Additionally, in order to extend the covered geographic area, the frequency

band and the range of services that can be monitored, the following systems/equipment are also used in the monitoring activity:

- a new generation goniometry and monitoring system comprising 4 special vehicles able to monitor the spectrum up to 26.5 GHz;
- a sensor-based spectrum monitoring system with geolocation capacities covering 10 cities;
- mobile receivers;
- spectrum analysers for various uses, depending on the allotted band and service.

The data gathered through the fixed and transportable monitoring stations were used to draw up, in 2018:

2,923 monitoring reports, according to AMP, of which:

- 1,269 reports on analogue radio and television broadcasting services;
- 378 reports on the land mobile service (excepting mobile electronic communications);
- 386 reports on the digital terrestrial television service and on the frequency band corresponding to the 2nd digital dividend;
- 346 reports specific to sensor-based measurements;
- 53 reports upon the request of other ANCOM compartments;
- 491 reports following the analysis of measurement results.

The monitoring of the frequency spectrum used by the sound radio and television services, by the land mobile service and of that corresponding to the 2nd digital dividend is carried through the fixed and transportable monitoring stations on a continuous basis or according to a schedule set under the AMP.

The ongoing mobile monitoring, an activity provided in the annual monitoring plan, was carried out in the localities that could not be covered by the fixed and transportable monitoring stations, as well as in the border areas. Within this activity, a total of 77 localities were monitored for emissions generated in Romania and 13 localities were monitored for emissions generated in neighbouring countries. These actions resulted in:

- **323** reports on analogue radio and television broadcasting services;
- 108 reports on the land mobile service (excepting mobile electronic communications);
- 108 reports on the digital terrestrial television service and on the frequency band corresponding to the 2nd digital dividend;
- 110 reports on the monitoring of emissions received in border areas and coming from neighbouring countries:
- 1 report upon the request of other ANCOM compartments;
- **108** reports following the analysis of measurement results.

The analysis of the gathered data led to the assessment of 34 breaches, following which the necessary legal measures were taken. These are detailed in Chapter 7.2 below. Furthermore, following the detection of sound broadcasting emissions transmitted without a licence, 5 notifications were sent to the criminal investigation bodies.

ANCOM sanctioned Telekom Romania Mobile Communications by fine amounting to RON 1,100,000 for failure to comply with the obligation, of which RON 600,000 for failure to observe the obligation stipulated in their licence for the use of radio frequencies, to ensure that network unavailability does not exceed 35 minutes within a period of 6 months and, respectively RON 500,000 for failure to comply with the obligation to keep network logs at the granularity level required by the License.

The Authority also applied to the National Radiocommunications Company S.A. a fine amounting to RON 85,000, of which RON 15,000 for failure to provide coverage, in fixed reception, for 90% of the population and 80% of the national territory until 31 December 2016, corresponding to Multiplex 1. Furthermore, the operator was sanctioned with two fines amounting to RON 35.000 for failure to put into operation at least 36 transmitters for the networks corresponding to Multiplexes 2 and 4, thus breaching the coverage obligations provided in the licenses.

In order to determine the level of coverage with mobile electronic communications services in border areas, along national and county roads, as well as for determining the coverage with voice services of areas inhabited by at least 98% of Romania's population, by means of one's own wireless access network according to the licences for the use of radio frequencies (MT-CEL), the Authority carried on-site verifications, throughout more than 175,146 km, using special vehicles equipped with network scanners, GPS receivers and computers with a software specialised for data gathering and processing.

With a view to determining the level of coverage with voice services ensured by Orange Romania, Vodafone Romania and Telekom Romania Mobile Communications - through the operators' own wireless access networks - on areas inhabited by at least 98% of Romania's population, before 5 April 2017. ANCOM carried out monitoring activities in 12,786 localities totalling 19,818,427 inhabitants, according to census (INS 2011). Following this campaign, Telekom Mobile was sanctioned by fine amounting to RON 500,000 while Vodafone and Orange were fined for failure to observe the obligation to cover areas inhabited by at least 98% of Romania's population with voice services.

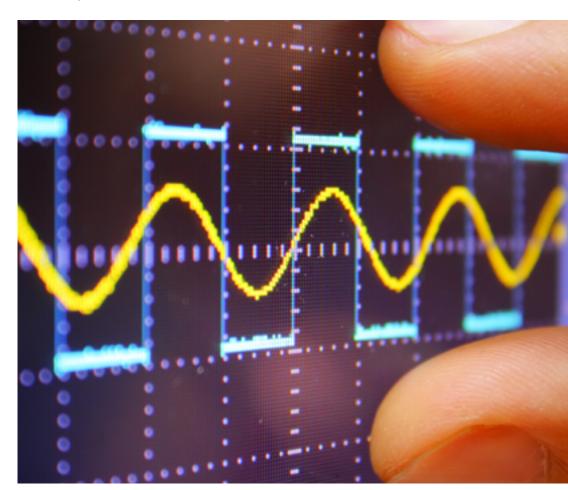
Monitoring campaigns 2018:

 Assessment of the level of spectrum usage in the frequency bands: 410 MHz, 450 MHz, 700 MHz, 800 MHz, 1500 MHz, 2600 MHz, 3500 MHz;

- Assessment of coverage with voice services in areas inhabited by at least 98% of Romania's population, through an operator's own wireless access network;
- Assessment of coverage with mobile services on national and county roads;
- Identification of DECT 6.0 emissions;
- Measurements at the border with Ukraine;

 Measurements at the border to identify the areas with involuntary roaming risk and assessment of the coverage with mobile services.

In 2018, as a result of the complaints received (**394** cases of harmful interferences), **527** sources of harmful interference were identified and eliminated.



Cuvânt înainte al președintelui ANCOM

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Table 7.1 Sources of harmful interferences reported in 2018

		Source / Cause of harmful interference							
		Interferences from within the country							
Victim of harmful interference	Number of interference sources	Source: non-compliant radio device	Source: compliant non- licenced radio device	Source: compliant and licenced device exceeding the parameters in the radio licence	Source: faulty radio equipment	Causes: faulty network or faulty frequency planning	Causes: intermodulation or other EMC problems	Other	Interference from across the border
Maritime mobile service including inland waterways (HF, VHF, UHF, EPIRB, AIS etc.)	0	0	0	0	0	0	0	0	0
Fixed service	0	0	0	0	0	0	0	0	0
Terrestrial mobile service (PMR), professional remote controls and telemetry systems	126	0	8	0	1	117	0	0	0
Public mobile networks (GSM/UMTS/ LTE/PAMR)	374	190	94	0	41	5	21	22	1
Terrestrial video broadcasting in UHF band	0	0	0	О	Ο	0	0	0	0
Terrestrial video broadcasting in VHF band	0	0	0	0	0	0	0	0	0
Terrestrial audio broadcasting	10	0	0	1	1	0	1	7	0
Satellite broadcasting receivers	0	0	0	0	0	0	0	0	0
Terrestrial and satellite navigation systems and radiolocation (civil)	3	0	0	0	0	0	3	0	О
Meteorological radars (5600 - 5650 MHz)	0	0	0	0	0	0	0	0	0
Aeronautical services (communications, navigation and surveillance)	6	0	0	0	1	0	3	2	0
Amateur radio service	4	0	2	0	0	0	1	1	О
SRD applications including PMSE	3	0	0	0	Ο	0	3	0	0
RLANs at 5 GHz	0	0	0	0	Ο	0	0	0	0
Satellite services (MSS, FSS, excluding broadcast)	1	0	0	0	0	0	1	0	0
Other radio applications	0	0	0	0	0	0	0	0	0
Non-radio devices (electrical appliances)	0	0	0	0	0	0	0	0	0
Total number of cases	527	190	104	1	44	122	33	32	1

In order to settle the **22** complaints on service quality received in 2018, the Authority carried out measurements with a view to determining the level of coverage with mobile electronic communications services, measurements for monitoring the spectrum allotted to sound radio and television broadcasting, and to land mobile services.

The 5G for

7.2 Control of electronic communications networks and services providers and of postal service providers

In order to ensure compliance with the legal provisions and regulations in the market of electronic communications and postal services, ANCOM undertook 3,121 control actions in 2018, achieving 100% of its Annual Control Plan (ACP) for verifying the observance by the providers of electronic communications networks and services and by the providers of postal services of their

obligations. Following these actions, 205 notifications were transmitted and 463 warnings and 99 contravention fines totalling RON 2,379, 500 were enforced.

With a view to verifying whether the providers of radiocommunications services use the radio frequencies as established by Government Emergency Ordinance no. 111/2011, ANCOM conducted 1.068 control actions. A number of cases of non-compliance with the legal provisions specified in the Licences on the use of radio frequencies and Radio frequency assignment authorisations were identified and consequently 64 notifications were issued. The control actions ended with the enforcement of 261 warnings and 9 contravention fines amounting to RON 72,000. The most commonly met irregularities concerned the nonobservance of the provisions in the authorisation documents (licences for the use of frequencies and frequency assignment authorisations), as well as

of those referring to the operation of radiocommunications stations.

725 control actions were conducted on the providers of sound radio and television broadcasting services (RTV), with a view to verifying the observance of the Audio-visual Law no. 504/2002, with the subsequent amendments and completions. 42 warnings and 26 contravention fines totalling RON 240,000 were applied following these control actions.

375 control actions were conducted on CATV providers to verify compliance with the provisions of Government Emergency Ordinance no. 111/2011 on electronic communications. As a result, ANCOM transmitted 101 notifications and subsequently applied 68 warnings and 33 contravention fines amounting to RON 237.500.

During 2018, the ANCOM control staff carried out 55 control actions on the providers of fixed and mobile telephony services, transmitting 31 notifications. Subsequently, the Authority applied 22 warnings and 21 contravention fines totalling RON 1,755,000.

On the data transmission and internet access market, 46 control actions were carried out, aimed at verifying compliance with the provisions of Government Emergency Ordinance no. 111/2011 and with the conditions under the general authorisation regime. As a result, ANCOM issued 9 notifications, allowing the contraveners a term for sending their opinion. The control

actions ended with the application of 10 warnings.

Moreover, one control action aimed at checking compliance with the obligations on reporting statistical data.

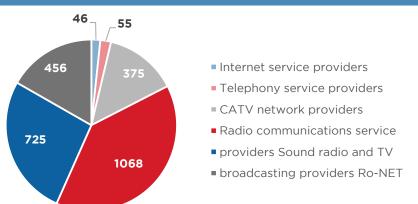
In order to ensure that the legal provisions regarding postal services are observed, ANCOM conducted 395 control actions. These control actions resulted in the enforcement of 60 warnings and 10 fines amounting to RON 75,000. The most commonly met irregularities concerned non-compliance with the obligations imposed under the general authorisation regime. Out of all the control actions. 3 were conducted on The National Company Romanian Post S.A. (CNPR), resulting in the enforcement of one warning and of one contravention fine amounting to RON 25.000.

Furthermore, during 2018, based on the Protocol on the establishment and surveillance of compliance with the technical and economic conditions for open access to the public communications networks and infrastructure elements of the Ro-NET Project, at MCSI's request, ANCOM developed a series of technical checks at the locations indicated by MCSI in a number of 456 localities.

7.3 Surveillance of the equipment market

One of ANCOM's essential roles is to enforce the national policy in the fields of radio equipment and of electromagnetic compatibility (non-

Exhibit 7.1 Control actions in the electronic communications domain, in 2018



Limited

resources

radio equipment), which are subject to the European Union's harmonised legislation.

The 5G for

Thus, the field of radio equipment and electronic communications terminal equipment is subject to the provisions of Directive 2014/53/EU of the European Parliament and of the Council on the harmonisation of the laws of the Member States relating to the making available on the market of radio equipment (the RED Directive), repealing Directive 1999/5/EC, which was transposed into the national legislation by Government Decision no. 740/2016.

In the electromagnetic compatibility field (non-radio equipment), Directive 2014/30/EU of the European Parliament and of the Council on the harmonisation of the laws of the Member States relating to electromagnetic compatibility (recast) (the EMC Directive), was transposed by Government Decision no. 487/2016 on electromagnetic compatibility.

In order to observe Romania's information and dissemination obligations deriving from the provisions of Regulation (EC)765/2008 of the European Parliament and of the Council of 9 July 2008 setting out the requirements for accreditation and market surveillance relating to the marketing of products and repealing Regulation (EEC) no. 339/93, ANCOM drew up the Sectoral programme for the surveillance of the equipment market in 2018, in accordance with the applicable European legislation, which was published on the ANCOM website and transmitted to the European Commission.

This programme provided administrative and technical checks performed in the laboratory for five categories of WAS/RLAN equipment in the 2.4 GHz and 5 GHz bands, small household appliances (kitchen appliances, vacuum cleaners, etc.) power supplies (for laptop, desktop, mobile phones, tablets), remote control toys in the

2.4 GHz band (including drones) and decorative/ornamental LED equipment, as well as administrative checks for other equipment categories: alarm and access control wireless systems, radio microphones, smartwatches, DECT telephone sets, smart TVs, laptops, wireless baby monitors and indoor PLC equipment.

Based on the sectoral programme, ANCOM conducted 692 control actions in 2018 in order to verify compliance with the provisions of the legislation in force. With a view to remedying the breaches assessed during the control actions, ANCOM gave 65 warnings and enforced 13 contravention fines amounting to RON 63,500.

An important instrument ANCOM uses in its market surveillance activity is ICSMS - the Information and Communication System on Market Surveillance. This is an information system developed by the European Commission which comprises information on the non-compliant products on the European market, allowing the Member States to rapidly and efficiently exchange information and share experiences, undertake joint actions and effectively coordinate their activities, thus contributing to maintaining a climate of trust and coherence in the enforcement and observance of the European legislation. The cases of non-conforming equipment as shown by the technical trials performed in the Authority's laboratory (LICETER) were loaded by ANCOM on the ICSMS platform, according to the obligation incumbent on the market

surveillance authorities under the provisions of Regulation (EC)765/2008.

In fulfilling the due attributions derived from the Regulation (EC) 765/2008 and based on the collaboration protocol in force, ANCOM cooperates on a permanent basis with the Customs General Directorate, the authority in charge with the control actions carried at Romania's external borders, to make sure that the equipment items made available for free circulation on the national market and, implicitly, on the Community market observe the legislation in force.

Thus, in 2018, ANCOM solved 54 notifications received from the Customs General Directorate, during the routine verifications of the customs offices or during the border control campaigns held on various themes.

Based on the provisions of Regulation (EC)765/2008, ANCOM also cooperates permanently with the Ministry of Economy, as a national coordinator of market surveillance activities, according to the provisions of this regulation. Thus, during 2018, ANCOM specialists took part in a series of meetings organised by the Ministry of Economy, in the context of reviewing the Regulation at EU level.

Another important element in the equipment field is keeping permanent contact with the market surveillance authorities from the other EU Member States, both by direct contacts and within the specific work meetings with a view to contributing to the well-



The 5G for

Limited

resources

Legislation

functioning of the European single market.

7.3.1 Laboratory for electromagnetic compatibility and radio equipment testing (LECRET)

The Laboratory for Electromagnetic Compatibility and Radio Equipment Testing (LECRET) is situated in the centre of Romania, in a locality considered to lie in an area of 'electromagnetic silence', favourable and recommended for this type of tests.

Within LECRET, ANCOM can verify whether the products on sale or in use observe the provisions of the European directives in force in its activity field. It features a flexible testing environment, which enables the performance of a wide range of tests. Currently, in this laboratory, ANCOM can verify whether the radio equipment (mobile phones, Wi-Fi equipment etc.) existing on the Romanian market observe the essential requirement on the protection of persons' health (SAR - Specific Absorption Rate) and electromagnetic compatibility essential requirement under Directive 2014/53/EU (RED Directive) or, as applicable, under Directive 1999/5/EC (R&TTE Directive). As well, ANCOM can verify whether the electrical (non-radio) and electronic equipment (household appliances, LED lighting devices etc.) meet the essential requirements of Directive 2014/30/ EU (EMC Directive). To this end, the specialized personnel uses accredited test methods, established in relevant harmonised standards, subsequently the results in the trial reports being analysed and interpreted so as to complement. from a technical perspective, the market surveillance and control activity.

In 2018, ANCOM received a new surveillance visit of the Romanian Accreditation Association - RENAR certifying that the Laboratory fulfils the requirements of the quality system SR EN ISO/CEI 17025:2005 and it can perform such activities. During the surveillance visit, the following tests were reassessed:

- measurement of voltage fluctuations and flicker:
- measurement of disturbance power:
- radiated RF electromagnetic fields immunity test;
- fast voltage pulse trains immunity test:
- voltage dips immunity test, short interruptions and voltage variation immunity test:
- measurement of the power spectral density;
- measurement of the occupied band (channel width).

Moreover, in 2018 ANCOM took part in a series of joint actions of crosscomparative tests, alongside specialists from similar laboratories accredited according to SR EN ISO/IEC 17025 in Romania (Craiova, Timisoara and Suceava), as well as a working meeting at the radio testing laboratory of the radio equipment surveillance authority in Great Britain (Baldock Radio Station).

Moreover, during 2018, ANCOM conducted a series of market surveillance campaigns that included technical testing in the laboratory, in accordance with the 2018 Sectoral Surveillance Plan for the Equipment Market. In the first semester, the campaigns focused on testing routers (WAS/RLAN equipment in 2.4 GHz and 5 GHz) and various types of household appliances. Product sampling was conducted across the country for a higher level of representativeness. Thus, 2 models of routers (3 pieces of each model), were sampled and controlled. Following the technical tests performed at LECRET, no non-compliance cases were identified. Concerning the household appliances, 39 products of 13 different models (shavers, trimmers, kitchen robots, blenders, laptop chargers, hair dryers) were sampled. After the technical tests had been completed at LECRET, one product was identified as non-compliant.

In the second half of 2018, similar categories of products were controlled. Thus, ANCOM sampled 3 routers of one model. Following the technical tests performed in the laboratory, all the three routers were found noncompliant. Furthermore, 8 models of household appliances were sampled - 3 pieces of each model (vacuum cleaners, hair dryers, rotating hair brushes), one non-compliant device being identified following the tests. Moreover, taking into account the EU Member States' concern regarding LED lighting fixtures on sale in the Single Market, this type of products remained in focus for verification.

therefore 4 models (12 pieces) were sampled and tested, all of them being found compliant. The following technical tests were conducted in the laboratory during 2018, varying by product type:

- measurement of radio disturbance transmitted by conduction;
- measurement of radiated disturbances:
- measurement of harmonic current emissions:
- measurement of voltage fluctuations and flicker;
- measurement of RF output power;
- measurement of power spectral density:
- measurement of occupied channel bandwidth:
- measurement of transmitter unwanted. emissions in the out-of-band domain:
- measurement of transmitter unwanted emissions in the spurious domain.



The 5G for

Communication

8.1 Communication with the users - requests for access to public interest information, information campaigns

During 2018, ANCOM received requests for information of public interest covering topics such as statistical data reporting, access and installation of infrastructure elements on the public/private property and the authorisation procedure for electronic communications services.

The Authority answered within the legal term to more than 89% of the information requests received in 2018. The full text of the 2018 Evaluation Report on the implementation of Law no. 544/2001 on the free access to public interest information within ANCOM is available in Annex 1.

For a better information of the users, the Authority developed and permanently updates on its website, www.ancom. org.ro, the InfoCentre for consumers section, which enables the public to access useful and updated information on the electronic communications and postal services, as well as on the rights of such services users. As well, ANCOM keeps a permanent contact with the users through its social media platform – Facebook, where over 21,000 followers receive daily information from the telecom field.

Furthermore, in 2018, the Authority received a significant number of complaints about the occurrence of harmful interference in the spectrum assigned to mobile operators due to

some citizens' use of DECT 6.0 wireless fixed telephony handsets, without CE marking, operating in private homes. DECT 6.0 phones generally come from the United States, Canada, or Asia, and operate in frequency bands that are intended for mobile telephony and 3G mobile broadband services in Romania. When such a non-compliant device is put into service on the territory of Romania, it interferes with the operation of mobile telephony services and the number of users who can use the mobile voice or internet services in the area. decreases significantly, sometimes making calling impossible, while ongoing calls are interrupted.

In order to increase the level of information of the users on the risk of using equipment without the CE marking, ANCOM continued this year the information campaign initiated in 2016, which resulted in demo actions before media representatives in Bucharest, lasi and Timisoara, and the transmission of press releases at national level.

The Authority also developed an information campaign that is to be run on TV and online in 2019.

Moreover, ANCOM continued to inform the end-users through its Infocentre type press releases, approaching topics such as: minimum contract period, risk of involuntary roaming, procedures addressing the delays in delivering the e-commerce parcels, decrease of the tariffs applied under the roam like at home regulation, cases where a porting request may be denied. And to make the users more aware of these topics of interest, ANCOM developed an information and education campaign to be run in the mass media in 2019.

In 2018, the main subjects treated in the press releases issued by ANCOM referred to:

- preparations for the 5G auction (consultation and approval of the National roadmap for the allocation and future use of the 470-790 MHz frequency band, the public consultation of the national strategy for the 5G implementation in Romania),
- implementation of the Infrastructure Law (the decision imposing the obligation to submit the contracts concluded for the right of access,

Table 8.1. Information requests received in 2018

The 5G for

Category	Amount	
Requests received by ANCOM in 2018	62	
Requests for information, by field of interest*:		
Electronic communications:		
• stats	9	
legislation	2	
numbering	1	
 authorisation (general authorisation, audiovisual, endorsements) 	6	
radio spectrum	2	
equipment	2	
• other	3	
Postal services		
authorisation	1	
• stats	1	
legislation	2	
• other	1	
Infrastructure	7	
Portability	4	
ANCOM general information	4	
Fulfilment of ANCOM's duties	3	
Implementation of Law no.544/2001	1	
Use of public money	4	
Other	17	
Not considered	0	
Rejected requests	1	
Forwarded requests	3	
Written requests	56	
Addressed on telephone	6	
Addressed by residential users	41	
Addressed by business users	21	
Administrative complaints	0	
Complaints in court	1	

the consultation and adoption of the maximum tariffs for the access on the public property and their entry into force, the consultation and adoption of the technical and economic conditions for the access to the network rolled out in publicprivate partnership in Oradea and the technical and economic conditions and tariffs for the access to the Netcity network)

 the control actions conducted by ANCOM (the finalisation of the campaign aimed at measuring the national coverage with voice services, the investigation and sanctioning of the security incident at Telekom, the results of the control actions, the updating of the localities in white areas, the fines applied for breaching the Roam like at home Regulation).

As for the postal service market, ANCOM issued press releases on the adoption and entry into force of the Regulation on cross-border parcel delivery, the request for the compensation of the net cost incurred by the provision of postal universal service in 2016, the consultation on the universal service in the postal field, the statistical data for the postal market in 2017.

Other topics covered were the decrease of the wholesale tariffs for the porting process, the consultation and adoption of the mobile termination rates, the statistical data for the electronic communications market, the statistics generated by the Netograf.ro platform, the statistics at 10 years from the launch of the portability service, the

consultation and adoption of the decision reducing the spectrum tariffs and the ANCOM activity at international level (the chairing by president Sorin Grindeanu of the Global Symposium for Regulators of the International Telecommunication Union – ITU (GSR-18), Romania's election as a member of Region C (Eastern Europe and Northern Asia) during the ITU Plenipotentiary Conference and the ANCOM international conference).

8.2 Public consultation

ANCOM's commitment to ensure decisional transparency was illustrated by maintaining an open and transparent dialogue with the industry representatives in 2018, by means of the public consultation process and of the Consultative Council, as well as of the numerous project consultations and work meetings, held at the initiative of ANCOM or of the industry.

During 2018, ANCOM submitted 20 draft decisions to public consultation, receiving 326 contributions from the interested parties. In view of adopting the decisions, ANCOM held 9 Consultative Council meetings attended by representatives of the industry, operators or profile associations, as well as representatives of other public institutions interested in the topics on the agenda of each Council.

Another important process of public consultation concerned the 5G National Strategy.

^{*} Certain requests regard several fields of interest.

Table 8.2. Public consultations in 2018

The 5G for

Romania

Category			
Normative acts adopted in 2018			
Individual acts communicated in 2018			
Drafts publicly announced in 2018:			
on the ANCOM website	20		
• posted at the ANCOM headquarters	20		
• in mass-media	20		
Drafts consulted but not adopted by end-2018			
Non-normative drafts			
Number of persons designated in charge of relations with civil society			
Received recommendations			
Recommendations included in decisions			
Number of participants in the consultations with the industry			
Consultative Council meetings			
Decisions issued by ANCOM, challenged in Court for non-observance of the public consultation procedure in 2018			
Law suits against the public administration for breaking the provisions of the law on deci-sional transparency			

8.3 Communication with massmedia

ANCOM constantly maintains an open dialogue with the mass-media representatives, as an important actor in the communication with the

industry and the consumers, by means of its website www.ancom.org.ro, of press releases and newsletters sent electronically both in Romanian and in English, as well as by answering to information requests received from the mass-media.

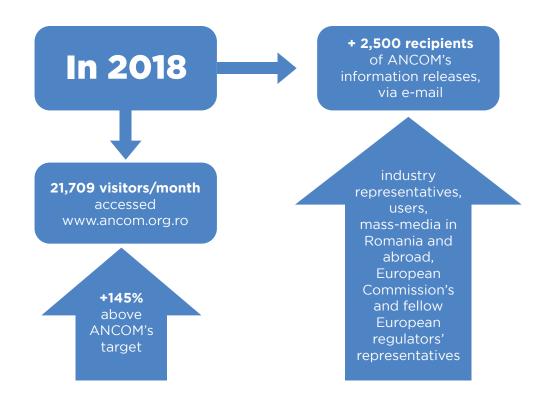


Table 8.3 The Authority's activity reflected by the mass-media, January - December 2018

Category	Amount	
Total no. of mentions in the media in 2018	22,614	
Total no. of mentions in the written press/radio/TV, of which:	768	
• positive	20	
negative	8	
• neutral	740	
Total no. of online occurrences	21,846	
No. of press releases in 2018	83	

^{*} includes the number of recommendations received and included in the normative acts adopted in 2018, of which 4 draft decisions were consulted in 2017 (these recommendations were not included in the 2017 transparency report)

data

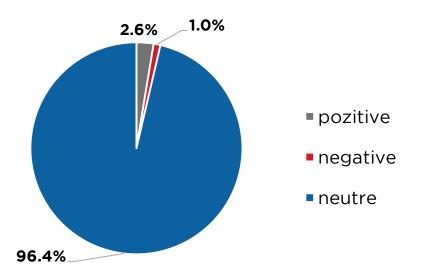
8.4 Collaboration with other institutions

The Authority collaborates in its routine activity with other institutions such as the National Consumer Protection Authority, the Competition Council, the National Audio-visual Council, the Ministry of Communications and Information Society, National Union of

Public Notaries from Romania and the National Statistics Institute, based on collaboration protocols.

ANCOM is also part of a collaboration protocol with the Government, Senate. other relevant public authorities, the civil society and the business stakeholders, with a view to protecting people with disabilities.

Exhibit 8.1 Connotation of ANCOM occurrences in mass-media (written, radio, TV) in 2018



Over the years, the Authority has also developed excellent collaboration relationships with other institutions of the state central or local apparatus. such as the Ministry of Foreign Affairs, the Ministry of National Defence, the Ministry of Public Finances, the Ministry of Regional Development and Public Administration, the Government's General Secretariat etc. Together with these institutions, the Authority works on the efficient implementation of decisions or projects, depending on the action plan for each year.

Table 8.4 Information requests from mass-media, January - December 2018

Category	Amount		
Total requests, of which:	205		
Solved	205		
Unsolved	-		
Forwarded			
Withdrawn	-		
Written requests	71		
• on paper	0		
 by electronic means 	71		
Requests addressed over phone	134		
Requests addressed personally	0		
Total costs	no additional resources were required		
Average answering timeframe	6.65 (h)		
Maximum answering timeframe	72 (h)		
Minimum answering timeframe	0 (h)		



The 5G for



9. International relations

Legislation

9.1 International relations in2018 - objectives

Romania's representation in international groups and entities was an important chapter in ANCOM's activity in 2018, as well. Thus, an important number of the Authority's specialists were involved in major European and international projects as chairs of working groups, drafters or members in the managing bodies of the international organisations. for the purpose of contributing to the fulfilment of ANCOM's general objectives, respectively promoting competition on the communications market, protecting the end-users' interests and consolidating the European single market. As in the previous years, the international activity continued on the global, European and regional level. while preserving the national component, as ANCOM permanently cooperated with the Romanian partner institutions - the Ministry of Communications and Information Society, the Ministry of Foreign Affairs etc.

ANCOM acted on the international level in accordance with the foreign policy objectives established at the national level, as an autonomous public authority with regulatory power in the fields of electronic communications, postal services, and administration and management

of limited resources in the electronic communications sector.

Already a tradition in the Authority's work, the 2018 annual international conference was dedicated to a global issue of the moment in the electronic communications field which will soon shift gears in every aspect of our lives: the 5G technologies. Structured on three sessions, the event marked the launch to public consultation of the 5G Strategy for Romania, a document whose declared strategic objectives are the rapid launch of services (in 2020) in a few representative cities from Romania, selected based on socio-economic criteria, in the context in which the operators will be made available additional radio spectrum resources next year, and the reap of the full benefits of 5G. by ensuring the coverage with the new technology of all functional urban centers, of highways and modernized railways, of ports and international airports and industrial parks throughout the country.

The event brought together policy makers, representatives of regulatory authorities, content providers and innovators, network operators, equipment manufacturers and academia, during three exciting interactive discussion sessions. The speakers and guests counted Mr. Johannes Gungl (Managing Director, RTR Austria and BEREC 2018 chair), Tomas Jakimavicius

(Public Policy Director - Europe, GSMA) and Maria-Manuela Catrina (Secretary of State, Ministry for Communications and Information Society), to mention just a few of them.

An exhibit was organised during the event in which the equipment manufacturers showed the first prototypes of equipment dedicated to 5G technology, such as, for instance, equipment for 5G transmission or virtual reality glasses.

During 2018, ANCOM also organised other events with international participation, such as working group meetings (COM-ITU, SWG-MS, WGSE/ECC/CEPT), high level meetings with officials of the international bodies in the communications field, coordination meetings in the mobile/terrestrial and/or broadcasting areas with neighbouring countries.

Internationally, 2018 was for the IT&C community the year of the ITU Plenipotentiary Conference, the most important event in the field, held every four years. ANCOM has been actively participating in the International Telecommunication Union (ITU), ever since the establishment of the Romanian regulator, and its representatives have received many times the Member States' confidence to perform important functions at the Plenipotentiary Conferences and at World Conferences or in Study Groups of the ITU structure. All these activities have gradually brought about a number of benefits, a proactive and professional image in the

working environment of the ITU, visibility and trust capital for both ANCOM and Romania.

Thus, in 2018, the ANCOM president, Mr. Sorin Mihai Grindeanu, was designated to chair the Global Symposium for Regulators, a landmark annual event, gathering representatives of the regulatory authorities worldwide.

Furthermore, the participation in the 2018 ITU Plenipotentiary Conference (PP-18) brought along our country's greatest success within this body, Romania winning a new mandate in the ITU Council with the highest number of votes in its region.

Romania candidated within Region C (Eastern Europe and Northern Asia), where 7 countries ran for 5 available seats. The final results of the elections were as follows:

- Romania 137 votes
- Russian Federation 136 votes
- Poland 125 votes
- Azerbaijan 119 votes
- Czech Republic 112 votes
- Bulgaria 110 votes
- Kirgizstan 95 votes

Based on the gained votes, Romania, the Russian Federation, Poland, Azerbaijan and the Czech Republic obtained mandates within the ITU Council.

Within the Plenipotentiary Conference in Dubai, Romania initiated the necessary steps to host the next edition in Bucharest in 2022. A decision in this sense is to be taken by the ITU Council in its June 2019 session.

As well, the ANCOM representative vicechaired PP-18 for Europe, coordinating the European common position and proposals for this conference.

Beside the intense work within the ITU. ANCOM continued in 2018 to be actively involved in the activity of the network of telecommunication regulators in the French-speaking countries (FRATEL) through the participation of ANCOM's representatives in the network events as speakers. ANCOM's active participation within FRATEL was useful not only in terms of Romania's participation in the network of French-speaking telecom regulators, but also in terms of increasing the country's visibility on European and global level, of enhancing bilateral cooperation with the network members and promoting the Romanian market of electronic communications and postal services. Upon the discussions carried at the network meetings, Romania will host the plenary meeting of the network in Bucharest, in 2019.

9.2 ANCOM on a European level

The European dimension of ANCOM's international relations activity is, by far, the most complex and elaborate, given Romania's status as Member State of the European Union and the direct impact that the developments in the European ICT and postal sectors have on the Romanian market.

Thus, during 2018, ANCOM continued cooperating directly with the structures of the European Commission, as well as with the Ministry of Communications and Information Society and Romania's Permanent Representation in Brussels, with a view to promoting Romania's interests through a consistent and coherent national position with regard to the EU legislative projects impacting the communications sector. In the context of the EU regulatory framework review, ANCOM was directly involved in developing Romania's positions submitted during the process of adopting the new community rules which was finalised in December 2018. Under the obligations rising from Romania's status as an EU Member State, ANCOM continued its involvement in the European specialized structures - Radio Spectrum Committee, Radio Spectrum Policy Group, Postal Directive Committee, ENISA, TCAM etc.

In BEREC, the ANCOM's specialists took part in all the entity's activities during 2018, contributing to the development of common regulatory practices. Thus, ANCOM's experts participated in working meetings, being involved in data collection, analyses and drafting of BEREC reports. Our colleagues participated directly in drafting reports such as on the implementation of the Regulation on open internet, terminating contracts and switching provider, mobile coverage monitoring or the report on contractual simplification.

ANCOM also continued to be involved in the work of the European Regulators

The 5G for

Group for Postal Services, ERGP. Thus, the Authority directly participated in the adoption of the strategic decisions regarding the group's activity and had a contribution on the technical level, namely to the elaboration of the following deliverables: Report on the measurement and the allocation of delivery costs in the universal service postal network, Internal Report on national experiences in the calculation and compensation of the net cost, Report on the regulatory needs in light of the Postal Directive review or the Report on core indicators for monitoring the European postal market.

In 2018, ANCOM continued its involvement, where relevant for its scope of activity, in the technical structures of the European Conference of Postal and Telecommunications Administrations (CEPT) - a European organization founded in 1959 that brings together the communications and regulatory authorities from 48 European countries. ANCOM's specialists participated in working groups on issues regarding spectrum engineering, management of numbering resources, spectrum management, emergency communications, but also in the works of the Committee for ITU Policy (Com-ITU). In fact, due to the hard work carried in the last years, the ANCOM representative in COM-ITU was elected chair of this group for a three-year term and, consequently, CEPT co-chair for the same period.

Another important structure in the ANCOM's international activity is the

"HCM Agreement on the coordination of frequencies between 29.7 MHz and 39.5 GHz for land mobile and fixed service", concluded based on Article 6 of the ITU Radio Regulations, in order to prevent harmful interference and to optimize the use of the spectrum in border areas between the signatory Administrations, including Romania. ANCOM continued ensuring the secretariat of the Technical Working Group for the Harmonized Calculation Method within this structure.

9.3 ANCOM in the region

ANCOM is very active on the regional level, being involved in a number of projects meant to consolidate the electronic communications market in Central and Eastern Europe.

Thus, we must mention ANCOM's activity in the Group of Electronic Communications Regulators in the Eastern Partnership member countries (EaPeReg), a regional cooperation organization set up in 2009 with the support of European Union, in order to create the necessary conditions for speeding up the process of political association and economic integration of the Eastern European partner countries with the EU family. ANCOM's participation in this project goes back to 2009 and takes into account the strategic dimension of our country of supporting the Republic of Moldova and the Eastern neighbourhood of Romania in our country's foreign policy. Thus, supporting the regulatory authorities in these states in adopting modern regulatory rules and practices in the

field of electronic communications has become a priority in ANCOM's international relations activity. Specifically, through the participation in work meetings, through the direct dissemination of regulatory practices and through the provision of specialized information by means of questionnaires or at the request of the authorities interested in the Romanian experience in certain areas of electronic communications regulation, ANCOM specialists ensured considerable transfer of expertise and knowledge to the regulatory authorities participating in EaPeReg.

Another regional component of the Authority's international relation activity is represented by the coordination meetings in the radio spectrum field. Thus, given our country's interest in introducing 5G services, during 2018, the ANCOM specialists took part in a series of coordination meetings with the neighbouring countries, in view of establishing the principles, technical provisions and administrative procedure required for ensuring the radio coexistence of the radiocommunication networks using different broadband technologies in certain frequency bands on the territory of two neighbouring countries, in the border areas, as well as the premises for the even access to the spectrum resources in the border areas and the efficient use of frequencies while avoiding reciprocal harmful interferences. Such coordination meetings were held bilaterally and within multilateral fora.

At bilateral level, during 2018, ANCOM deepened the relationship with regulatory authorities from Europe such as Poland, Serbia or Bulgaria, but also from farther areas such as Madagascar, Zambia, USA or Rwanda. The talks between the parties concerned both the signing of memoranda of understanding and more general aspects, such as the reciprocal support in various international or regional bodies or the collaboration on common interest topical subjects.

For 2019, in the international relations field, ANCOM will prepare for the World Radiocommunication Conference (WRC-19), in line with the national and European interest, will continue to be involved in the talks and technical projects carried out at EU level and by other bodies in which Romania or ANCOM is a part and to represent the country in these bodies, at high level. As well, ANCOM will host in 2019 the meetings of various working groups with international participation such as the BEREC Contact Network, the PTA project team within the WRC European preparation group, the ADCO-EMC group, the working group on short range devices and the FRATEL plenary.

Limited

resources

Enhancing institutional capacity and developing human potential

10.1 Improving the internal/management control system

In 2018, the ANCOM management continued its efforts to improve the internal management control system, in accordance with the applicable legal provisions and principles, to set the premises for the use of the public funds managed by the Authority in a lawful, consistent, effective, efficient and economical framework.

ANCOM keeps evolving as an organisation, always adapting to the technological, economic and administrative context, pursuant to the Organisational Development Strategy for 2016-2020.

ANCOM's commitment - through the Authority's top management - to the continuous improvement of the quality of its work, as well of the process management-based approach, by the ongoing application of the requirements of the international standard ISO 9001: 2015, acts towards achieving excellence in the fulfilment of its role and duties. In 2018, ANCOM started the preparations for implementing a quality-information security integrated management system and making the transition to the new requirements of the SR EN ISO/IEC 17025 standard.

10.2 Building up organisational culture and human potential

2018 was marked by an ample process of recruiting new specialists within the organisation.

Thus, at the end of 2018, the Authority had 624 employees in total, of which 577 with higher education degree, as follows: 57% technical background, 24% economic background, 10% legal background and 9% other higher education background. The average net income (various increments included) amounted to 8,886 lei.

In 2018, 31% of the employees participated in training programmes, with an average duration of the training of 5.06 days/trained employee.

Mission and objectives

The 5G for Romania

Electronic communications

Postal services

Limited resources

control activitie
and surveillance
of the equipmer

ol activities urveillance Communica International relations

Enhancing institutional capacity and developing human potenti

y and Legislation

Disputes in court

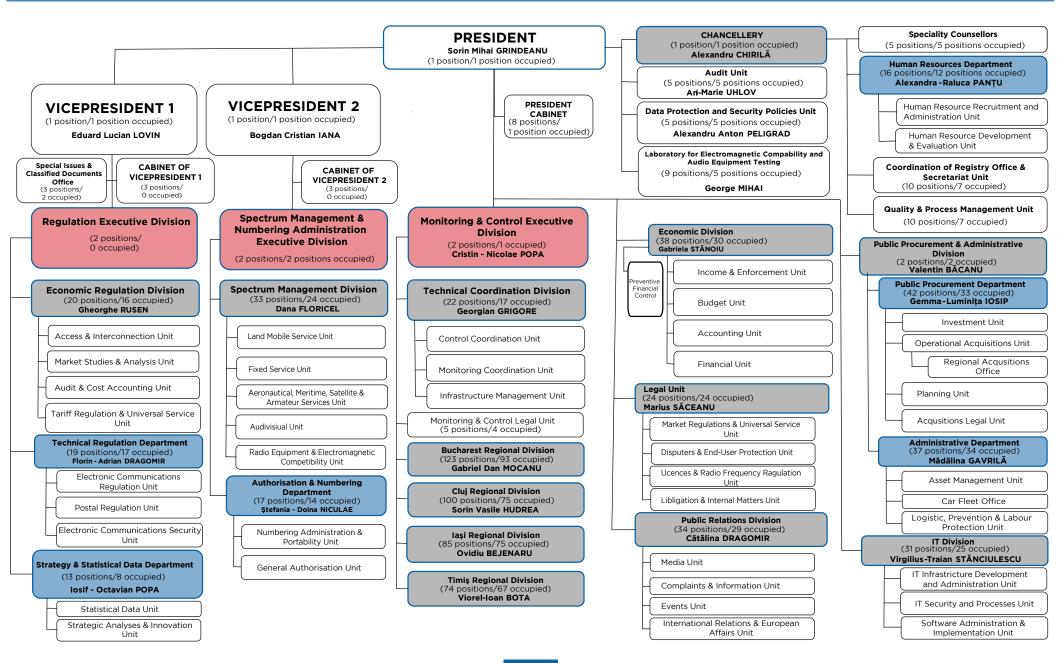
Financial data

Public procurement

Priorities for 2019 Terms and abbreviations

Contact

Exhibit 10.1 ANCOM organisation chart as of 31 December 2018



The 5G for

10.3 Professional ethics and conduct

ANCOM pursues the development and maintenance of trust-based relationships with all the groups of public involved and interested in its activity - communications end-users, communications service providers, its own employees, other state institutions, the mass-media, foreign organisations etc. Therefore, in 2018, the internal Code of Ethics and Professional Conduct was updated, and a series of actions were carried out to disseminate its provisions, through the intranet, internal newsletter and information messages in order to foster an accurate and clear understanding of the organizational ethics concept.

10.4 Health and safety at work

Throughout 2018, ANCOM's management undertook the actions necessary to protect the health of employees, to ensure their adequate information on measures and principles for a healthy life, safety and health at work. Measures to ensure the employees' security and health were implemented, based on the general prevention principles: avoiding risks, adapting the work places, choosing the working equipment and the working methods to reduce their effects on health. There were no work accidents.



Cuvânt The 5G for **Terms Financial** înainte al **Mission and** Electronic **Postal** Limited International **Disputes Public Priorities** Legislation capacity and and Romania Contact objectives services resources relations in court data procurement for 2019 abbreviations



11.1 Normative decisions

During 2018, the Authority issued 102 normative or individual decisions regulating the market of electronic communications services, as follows:

- the harmonised technical requirements for IP interconnection in view of the provision of fixed call termination services to the numbers implemented in the public telephone network of Volocall S.R.L., as well as the tariffs corresponding to the services associated to the IP interconnection and collocation
- Decision no.1184/2018 setting the harmonised technical requirements for IP interconnection in view of the provision of fixed call termination services to the numbers implemented in the public telephone network of Vodafone

Romania - S.A., as well as the tariffs corresponding to the services associated to the IP interconnection and collocation

The 5G for

- the harmonised technical requirements for IP interconnection in view of the provision of fixed call termination services to the numbers implemented in the public telephone network of Viva Telecom S.R.L., as well as the tariffs corresponding to the services associated to the IP interconnection and collocation
- 4. Decision no. 1182/2018 setting the harmonised technical requirements for IP interconnection in view of the provision of fixed call termination services to the numbers implemented in the public telephone network of Vitanic RO S.R.L., as well as the tariffs corresponding to the services associated to the IP interconnection and collocation
- 5. Decision no. 1181/2018 setting the harmonised technical requirements for IP interconnection in view of the provision of fixed call termination services to the numbers implemented in the public telephone network of UPC ROMANIA S.A., as well as the tariffs corresponding to the services associated to the IP interconnection and collocation
- 6. Decision no. 1180/2018 setting the harmonised technical

- requirements for IP interconnection in view of the provision of fixed call termination services to the numbers implemented in the public telephone network of Trans Tel Services S.R.L., as well as the tariffs corresponding to the services associated to the IP interconnection and collocation
- 7. Decision no. 1179/2018 setting the harmonised technical requirements for IP interconnection in view of the provision of fixed call termination services to the numbers implemented in the public telephone network of Telekom Romania Mobile Communications S.A., as well as the tariffs corresponding to the services associated to the IP interconnection and collocation
- 8. Decision no. 1178/2018 setting the harmonised technical requirements for IP interconnection in view of the provision of fixed call termination services to the numbers implemented in the public telephone network of Telekom Romania Communications S.A., as well as the tariffs corresponding to the services associated to the IP interconnection and collocation
- 9. Decision no. 1177/2018 setting the harmonised technical requirements for IP interconnection in view of the provision of fixed call termination services to the numbers implemented in the public telephone network of Telecom Blue Expert S.R.L., as well as the tariffs

- corresponding to the services associated to the IP interconnection and collocation
- 10. Decision no. 1176/2018 setting the harmonised technical requirements for IP interconnection in view of the provision of fixed call termination services to the numbers implemented in the public telephone network of Telcor Communications S.R.L., as well as the tariffs corresponding to the services associated to the IP interconnection and collocation
- 11. Decision no. 1175/2018 setting the harmonised technical requirements for IP interconnection in view of the provision of fixed call termination services to the numbers implemented in the public telephone network of Spice Telecom S.R.L.-D., as well as the tariffs corresponding to the services associated to the IP interconnection and collocation
- 12. Decision no. 1174/2018 setting the harmonised technical requirements for IP interconnection in view of the provision of fixed call termination services to the numbers implemented in the public telephone network of the National Radiocommunications Company S.A., as well as the tariffs corresponding to the services associated to the IP interconnection and collocation
- **13.** Decision no. 1173/2018 setting the harmonised technical

- requirements for IP interconnection in view of the provision of fixed call termination services to the numbers implemented in the public telephone network of Smart Telecom Media S.R.L., as well as the tariffs corresponding to the services associated to the IP interconnection and collocation
- 14. Decision no. 1172/2018 setting the harmonised technical requirements for IP interconnection in view of the provision of fixed call termination services to the numbers implemented in the public telephone network of RCS & RDS S.A., as well as the tariffs corresponding to the services associated to the IP interconnection and collocation
- 15. Decision no. 1171/2018 setting the harmonised technical requirements for IP interconnection in view of the provision of fixed call termination services to the numbers implemented in the public telephone network of Prime Telecom S.R.L., as well as the tariffs corresponding to the services associated to the IP interconnection and collocation
- 16. Decision no. 1170/2018 setting the harmonised technical requirements for IP interconnection in view of the provision of fixed call termination services to the numbers implemented in the public telephone network of Orange România S.A., as well as the tariffs corresponding to the services

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- 17. Decision no. 1169/2018 setting the harmonised technical requirements for IP interconnection in view of the provision of fixed call termination services to the numbers implemented in the public telephone network of Nobel Romania - S.R.L., as well as the tariffs corresponding to the services associated to the IP interconnection and collocation
- Decision no. 1168/2018 setting the harmonised technical requirements for IP interconnection in view of the provision of fixed call termination services to the numbers implemented in the public telephone network of Nextgen Communications - S.R.L., as well as the tariffs corresponding to the services associated to the IP interconnection and collocation
- **19.** Decision no. 1167/2018 setting the harmonised technical requirements for IP interconnection in view of the provision of fixed call termination services to the numbers implemented in the public telephone network of Net-Connect Communications - S.R.L., as well as the tariffs corresponding to the services associated to the IP interconnection and collocation
- **20.** Decision no. 1166/2018 setting the harmonised technical requirements for IP interconnection in view of the provision of fixed

- call termination services to the numbers implemented in the public telephone network of Media Sat - S.R.L., as well as the tariffs corresponding to the services associated to the IP interconnection and collocation
- **21.** Decision no. 1165/2018 setting the harmonised technical requirements for IP interconnection in view of the provision of fixed call termination services to the numbers implemented in the public telephone network of Iristel Romania - S.R.L., as well as the tariffs corresponding to the services associated to the IP interconnection and collocation
- **22.** Decision no. 1164/2018 setting the harmonised technical requirements for IP interconnection in view of the provision of fixed call termination services to the numbers implemented in the public telephone network of Intersat - S.R.L., as well as the tariffs corresponding to the services associated to the IP interconnection and collocation
- 23. Decision no. 1163/2018 setting the harmonised technical requirements for IP interconnection in view of the provision of fixed call termination services to the numbers implemented in the public telephone network of Ines Group - S.R.L., as well as the tariffs corresponding to the services associated to the IP interconnection and collocation

- 24. Decision no. 1162/2018 setting the harmonised technical requirements for IP interconnection in view of the provision of fixed call termination services to the numbers implemented in the public telephone network of GTS Telecom - S.R.L., as well as the tariffs corresponding to the services associated to the IP interconnection and collocation
- **25.** Decision no. 1161/2018 setting the harmonised technical requirements for IP interconnection in view of the provision of fixed call termination services to the numbers implemented in the public telephone network of Euroweb Romania - S.R.L., as well as the tariffs corresponding to the services associated to the IP interconnection and collocation
- **26.** Decision no. 1160/2018 setting the harmonised technical requirements for IP interconnection in view of the provision of fixed call termination services to the numbers implemented in the public telephone network of Dotro Telecom - S.R.L., as well as the tariffs corresponding to the services associated to the IP interconnection and collocation
- **27.** Decision no. 1159/2018 setting the harmonised technical requirements for IP interconnection in view of the provision of fixed call termination services to the numbers implemented in the public telephone network of Digital Cable

- Systems S.A., as well as the tariffs corresponding to the services associated to the IP interconnection and collocation
- 28. Decision no. 1158/2018 setting the harmonised technical requirements for IP interconnection in view of the provision of fixed call termination services to the numbers implemented in the public telephone network of Connet-RO - S.R.L., as well as the tariffs corresponding to the services associated to the IP interconnection and collocation
- **29.** Decision no. 1157/2018 setting the harmonised technical requirements for IP interconnection in view of the provision of fixed call termination services to the numbers implemented in the public telephone network of Combridge - S.R.L., as well as the tariffs corresponding to the services associated to the IP interconnection and collocation
- **30.** Decision no. 1156/2018 setting the harmonised technical requirements for IP interconnection in view of the provision of fixed call termination services to the numbers implemented in the public telephone network of Caro Network - S.R.L., as well as the tariffs corresponding to the services associated to the IP interconnection and collocation
- **31.** Decision no. 1155/2018 setting the harmonised technical

requirements for IP interconnection in view of the provision of fixed call termination services to the numbers implemented in the public telephone network of Canal S - S.R.L., as well as the tariffs corresponding to the services associated to the IP interconnection and collocation

- the harmonised technical requirements for IP interconnection in view of the provision of fixed call termination services to the numbers implemented in the public telephone network of Alizee Telecom Network S.R.L., as well as the tariffs corresponding to the services associated to the IP interconnection and collocation
- the harmonised technical requirements for IP interconnection in view of the provision of fixed call termination services to the numbers implemented in the public telephone network of Adisam Telecom S.A., as well as the tariffs corresponding to the services associated to the IP interconnection and collocation
- 34. Decision no. 1152/2018 setting the harmonised technical requirements for IP interconnection in view of the provision of fixed call termination services to the numbers implemented in the public telephone network of Ada Voice S.R.L., as well as the tariffs corresponding to the services

- associated to the IP interconnection and collocation
- 35. Decision no. 1151/2018 setting the harmonised technical requirements for IP interconnection in view of the provision of fixed call termination services to the numbers implemented in the public telephone network of A1 Telecom Network ISP S.R.L, as well as the tariffs corresponding to the services associated to the IP interconnection and collocation
- 36. Decision no. 1150/2018 setting the harmonised technical requirements for IP interconnection in view of the provision of fixed call termination services to the numbers implemented in the public telephone network of 2K Telecom S.R.L., as well as the tariffs corresponding to the services associated to the IP interconnection and collocation
- 37. Decision no. 1149/2018 setting the harmonised technical requirements for IP interconnection in view of the provision of mobile call termination services to the numbers implemented in the public telephone network of Telekom Romania Mobile Communications S.A., as well as the tariffs corresponding to the services associated to the IP interconnection and collocation
- **38.** Decision no. 1148/2018 setting the harmonised technical requirements for IP interconnection in view

- of the provision of mobile call termination services to the numbers implemented in the public telephone network of RCS & RDS S.A., as well as the tariffs corresponding to the services associated to the IP interconnection and collocation
- 39. Decision no. 1147/2018 setting the harmonised technical requirements for IP interconnection in view of the provision of mobile call termination services to the numbers implemented in the public telephone network of Orange România S.A., as well as the tariffs corresponding to the services associated to the IP interconnection and collocation
- 40. Decision no. 1146/2018 setting the harmonised technical requirements for IP interconnection in view of the provision of mobile call termination services to the numbers implemented in the public telephone network of Vodafone Romania S.A., as well as the tariffs corresponding to the services associated to the IP interconnection and collocation
- 41. Decision no. 1145/2018 setting the harmonised technical requirements for IP interconnection in view of the provision of mobile call termination services to the numbers implemented in the public telephone network of Lycamobile S.R.L., as well as the tariffs corresponding to the services

- associated to the IP interconnection and collocation
- 42. Decision no. 1210/2018 amending the ANCOM Decision no. 1158/2013 designating the National Company Poşta Română S.A. as a universal service provider in the postal field, with the subsequent amendments and completions
- **43.** Decision no. 1069/2018 on the use of certain geographic numbering resources outside the corresponding area
- **44.** Decision no. 1062/2018 amending and completing Decision no. 551/2012 setting the spectrum usage tariff
- **45.** Decision no. 997/2018 on maximum tariffs to be charged for the right of access on, above, in or under the public property buildings
- **46.** Decision no. 888/2018 amending the ANCOM Decision no. 311/2016 on radio frequencies or radio frequency bands exempted from licensing
- 47. Decision no. 785/2018 setting out the technical and economic conditions for the access to the physical infrastructure rolled out by RCS&RDS S.A. based on the concession contract no. 1494/20.08.2014, concluded with the municipality of Oradea
- **48.** Decision no. 718/2018 amending and completing Decision no. 1112/2017 setting out the quality

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- indicators for the provision of the internet access service and publication of the corresponding parameters
- **49.** Decision no. 686/2018 identifying the relevant market for the higher quality fixed access services
- 50. Decision no. 502/2018 approving, with the observance of certain obligations, the conditions of open access to the electronic communications networks and the corresponding physical infrastructures according to the state aid scheme for the implementation of the Competitiveness Operational Programme 2014-2020
- 51. Decision no. 571/2018 authorising RCS&RDS S.A. to apply on its clients for at most 12 months certain surcharges, in addition to the national tariffs, for some of the regulated roaming services provided to them in the European Economic Area
- **52.** Decision no. 483/2018 on the request for the compensation of the net cost incurred by the provision of postal services within the scope of universal service in 2016
- 53. Decision no. 381/2018 amending art. 19 paragraph (2) of the Decision of the president of the National Regulatory Authority for Communications no. 144/EN/2006 on number portability implementation

- 54. Decision no. 395/2018 amending Decision no. 1113/2017 on the establishment of the single information point, as well as of the conditions and means of transmission of certain information on the network operators' physical infrastructure
- 55. Decision no. 316/2018 amending Decision no. 50/2018 designating Vodafone Romania - S.A. as a provider with significant market power on the market for mobile call termination to the numbers implemented in its public telephone network
- 56. Decision no. 315/2018 amending Decision no. 49/2018 designating Telekom Romania Mobile Communications S.A. as a provider with significant market power on the market for mobile call termination to the numbers implemented in its public telephone network
- 57. Decision no. 314/2018 amending Decision no. 48/2018 designating RCS & RDS S.A. as a provider with significant market power on the market for mobile call termination to the numbers implemented in its public telephone network
- **58.** Decision no. 313/2018 amending Decision no. 47/2018 designating Orange România S.A. as a provider with significant market power on the market for mobile call termination to the numbers

- implemented in its public telephone network
- 59. Decision no. 312/2018 amending Decision no. 46/2018 designating Lycamobile S.R.L. as a provider with significant market power on the market for mobile call termination to the numbers implemented in its public telephone network
- down the format and the means of transmission by the providers of electronic communications networks of certain documents and information on the exercise of the right of access on properties, as well as for setting out the conditions of access to such properties, respectively amending and complementing certain regulations for the submission of these documents and information
- 61. Decision no. 50/2018 designating Vodafone Romania - S.A. as a provider with significant market power on the market for mobile call termination on its public telephone network and imposing certain obligations on the operator
- 62. Decision no. 49/2018 designating Telekom Romania Mobile Communications S.A. as a provider with significant market power on the market for mobile call termination on its public telephone network and imposing certain obligations on the operator

- 63. Decision no. 48/2018 designating RCS & RDS S.A. as a provider with significant market power on the market for mobile call termination on its public telephone network and imposing certain obligations on the operator
- 64. Decision no. 47/2018 designating
 Orange România S.A. as a
 provider with significant market
 power on the market for mobile call
 termination on its public telephone
 network and imposing certain
 obligations on the operator
- 65. Decision no. 46/2018 designating Lycamobile S.R.L. as a provider with significant market power on the market for mobile call termination on its public telephone network and imposing certain obligations on the operator
- 66. Decision no. 45/2018 designating Volocall S.R.L. as a provider with significant market power on the market for fixed call termination on its public telephone network and imposing certain obligations on the operator
- 67. Decision no. 44/2018 designating Vodafone Romania S.A. as a provider with significant market power on the market for fixed call termination on its public telephone network and imposing certain obligations on the operator
- **68.** Decision no. 43/2018 designating Telecom Blue Expert S.R.L. as a provider with significant market

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power on the market for fixed call termination on its public telephone network and imposing certain obligations on the operator

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- 69. Decision no. 42/2018 designating Viva Telecom - S.R.L. as a provider with significant market power on the market for fixed call termination on its public telephone network and imposing certain obligations on the operator
- 70. Decision no. 41/2018 designating Vitanic RO - S.R.L. as a provider with significant market power on the market for fixed call termination on its public telephone network and imposing certain obligations on the operator
- 71. Decision no. 40/2018 designating UPC ROMANIA - S.R.L. as a provider with significant market power on the market for fixed call termination on its public telephone network and imposing certain obligations on the operator
- 72. Decision no. 39/2018 designating Trans Tel Services - S.R.L. as a provider with significant market power on the market for fixed call termination on its public telephone network and imposing certain obligations on the operator
- 73. Decision no. 38/2018 designating Telekom Romania Mobile Communications - S.A. as a provider with significant market power on the market for fixed call termination on its public telephone

- network and imposing certain obligations on the operator
- 74. Decision no. 37/2018 designating Telekom Romania Communications - S.A. as a provider with significant market power on the market for fixed call termination on its public telephone network and imposing certain obligations on the operator
- 75. Decision no. 36/2018 designating Telcor Communications - S.R.L. as a provider with significant market power on the market for fixed call termination on its public telephone network and imposing certain obligations on the operator
- **76.** Decision no. 35/2018 designating Spice Telecom - S.R.L.-D. as a provider with significant market power on the market for fixed call termination on its public telephone network and imposing certain obligations on the operator
- 77. Decision no. 34/2018 designating Smart Telecom Media - S.R.L. as a provider with significant market power on the market for fixed call termination on its public telephone network and imposing certain obligations on the operator
- 78. Decision no. 33/2018 designating RCS & RDS - S.A. as a provider with significant market power on the market for fixed call termination on its public telephone network and imposing certain obligations on the operator

- 79. Decision no. 32/2018 designating Prime Telecom - S.R.L. as a provider with significant market power on the market for fixed call termination on its public telephone network and imposing certain obligations on the operator
- 80. Decision no. 31/2018 designating Orange România - S.A. as a provider with significant market power on the market for fixed call termination on its public telephone network and imposing certain obligations on the operator
- 81. Decision no. 30/2018 designating Nobel Romania - S.R.L. as a provider with significant market power on the market for fixed call termination on its public telephone network and imposing certain obligations on the operator
- 82. Decision no. 29/2018 designating Nextgen Communications - S.R.L. as a provider with significant market power on the market for fixed call termination on its public telephone network and imposing certain obligations on the operator
- 83. Decision no. 28/2018 designating Net-Connect Communications -S.R.L. as a provider with significant market power on the market for fixed call termination on its public telephone network and imposing certain obligations on the operator
- 84. Decision no. 27/2018 designating the National Radiocommunication Company - S.A. as a provider with

- significant market power on the market for fixed call termination on its public telephone network and imposing certain obligations on the operator
- 85. Decision no. 26/2018 designating Media Sat - S.R.L. as a provider with significant market power on the market for fixed call termination on its public telephone network and imposing certain obligations on the operator
- 86. Decision no. 25/2018 designating Iristel Romania - S.R.L. as a provider with significant market power on the market for fixed call termination on its public telephone network and imposing certain obligations on the operator
- 87. Decision no. 24/2018 designating Intersat - S.R.L. as a provider with significant market power on the market for fixed call termination on its public telephone network and imposing certain obligations on the operator
- 88. Decision no. 23/2018 designating Ines Group - S.R.L. as a provider with significant market power on the market for fixed call termination on its public telephone network and imposing certain obligations on the operator
- 89. Decision no. 22/2018 designating GTS Telecom - S.R.L. as a provider with significant market power on the market for fixed call termination on its public telephone network and

- imposing certain obligations on the operator
- 90. Decision no. 21/2018 designating Euroweb Romania S.A. as a provider with significant market power on the market for fixed call termination on its public telephone network and imposing certain obligations on the operator
- 91. Decision no. 20/2018 designating Dotro Telecom - S.R.L. as a provider with significant market power on the market for fixed call termination on its public telephone network and imposing certain obligations on the operator
- 92. Decision no. 19/2018 designating Digital Cable Systems S.A. as a provider with significant market power on the market for fixed call termination on its public telephone network and imposing certain obligations on the operator
- 93. Decision no. 18/2018 designating Connet-RO S.R.L. as a provider with significant market power on the market for fixed call termination on its public telephone network and imposing certain obligations on the operator
- 94. Decision no. 17/2018 designating Combridge S.R.L. as a provider with significant market power on the market for fixed call termination on its public telephone network and imposing certain obligations on the operator

- 95. Decision no. 16/2018 designating Caro Network S.R.L. as a provider with significant market power on the market for fixed call termination on its public telephone network and imposing certain obligations on the operator
- 96. Decision no. 15/2018 designating Canal S S.R.L. as a provider with significant market power on the market for fixed call termination on its public telephone network and imposing certain obligations on the operator
- 97. Decision no. 14/2018 designating Adisam Telecom - S.A. as a provider with significant market power on the market for fixed call termination on its public telephone network and imposing certain obligations on the operator
- 98. Decision no. 13/2018 designating
 Ada Voice S.R.L. as a provider
 with significant market power on
 the market for fixed call termination
 on its public telephone network and
 imposing certain obligations on the
 operator
- 99. Decision no. 12/2018 designating A1 Telecom Network ISP S.R.L. as a provider with significant market power on the market for fixed call termination on its public telephone network and imposing certain obligations on the operator
- 100. Decision no. 11/2018 designating 2K Telecom - S.R.L. as a provider with significant market power on the

- market for fixed call termination on its public telephone network and imposing certain obligations on the operator
- 101. Decision no. 10/2018 designating Alizee Telecom Network S.R.L. as a provider with significant market power on the market for fixed call termination on its public telephone network and imposing certain obligations on the operator

11.2 Opinions and recommendations on other institutions' legislative and regulatory projects

Beside the aforementioned normative acts, the Authority submitted points of view and recommendations on the following projects initiated by other institutions:

- Draft Law on ensuring a common high security level for networks and information systems;
- Draft Government Ordinance completing the Government Emergency Ordinance no. 111/2011 on electronic communications;
- Draft Government Emergency
 Ordinance setting certain measures
 in the field of public investments and
 certain fiscal-budgetary measures,
 amending and completing certain
 normative acts and propagation of
 some terms;
- Draft law on authorising building works and building demolition works;

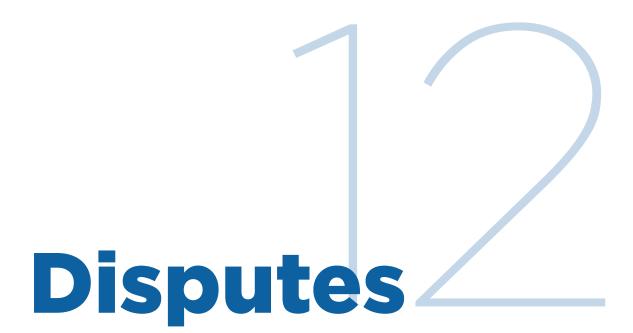
 Draft technical rules on the design and installation of physical infrastructures and electronic communications networks;

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- Draft Ordinance on certain measures in radiocommunications field;
- Draft Law on certain measures in radiocommunications field;
- Draft Government Decision amending and completing Government Decision no. 487/2016 on electromagnetic compatibility and Government Decision no. 740/2016 on making radio equipment available on the market;
- Draft Government Emergency
 Ordinance amending and completing
 Law no. 504/2002 on audiovisual,
 with the subsequent amendments and
 completions;
- Draft Government Decision approving the Strategy on the national implementation of sound digital terrestrial radio broadcasting and associated multimedia services:
- Draft Law approving Romania's airline code;
- Draft law amending and completing Law no. 374/2013 on the use of systems designed to block and interrupt radiocommunications in the perimeters of the units within the National Administration of Penitentiaries.



In 2018, ANCOM was a party in 60 cases before the courts of law, 11 of which were settled by final decision, the Authority winning 8 of these settled disputes.

Table 12.1. Disputes before courts of law in which ANCOM is a party, by domains of interest

Disputes by domains of interest	
Regulatory decisions	3
Decisions issued in the disputes settled by ANCOM	0
Payment obligations to ANCOM	3
Contravention/administrative sanctioning	22
Labour disputes	5
Insolvency	18
Other	10



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Indicators	I. Commitment appropriation	Code	2018
indicators	II. Budgetary appropriation	Code	programme
0	1	2	3
INCOME - TOTAL			365,958
Incomes from the share of the turnover achieved in the electronic communications sector		12.10.08	1
Tariffs for the use of spectrum and numbering resources		30.10.14	363,900
Other incomes from interests		31.10.03	1,669
Monitoring tariffs		34.10.03	5
Incomes from fines and other sanctions enforced by other specialized institutions		35.10.01.02	300
Incomes from the occurrence of insured risks		36.10.04	10
Other incomes		36.10.50	1
Incomes from the sale of goods belonging to public institutions		39.10.01	10
Subsidies from the state budget		42.10	6
Subsidies from the state budget to entirely or partially self-financed public institutions for projects financed from post-accession non-refundable external funds		42.10.39	6
Amounts received from EU/other donors on account of payments made and pre-financing		45.10	26
European Regional Development Fund		45.10.01	26
Amounts received on account of payments made in the previous years		45.10.01.02	26
Amounts received from EU/other donors on account of payments made and pre-financing for the 2014-2020 financial timeframe		48.10	30
Connecting Europe Facility (CEF)		48.10.19	30
Amounts received on account of payments made in the current year		48.19.01	13
Amounts received on account of payments made in the previous years		48.19.02	17
EVDENCES - TOTAL	I	85.10.01	322,476
EXPENSES - TOTAL	II		337,270
CURRENT EXPENSES	I	01	210,959
CURRENT EXPENSES	II		209,632

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Indicators	I. Commitment appropriation II. Budgetary appropriation	Code	2018 programme
o	1	2	3
CAPITAL EXPENSES	I	70	108,930
CAPITAL LAPENSES			122,251
FINANCIAL OPERATIONS	I	79	2,587
FINANCIAL OFERATIONS	II		5,387
CURRENT EXPENSES - TOTAL, of which:	I	01	210,959
CORRENT EXPENSES - TOTAL, OF WHICH.	II		209,632
TITLE I. PERSONNEL EXPENSES	I	10	126,896
ITTLE I. PERSONNEL EXPENSES	II		126,896
Cash wage expenses	I	10.01.	122,647
Casii wage expenses	II		122,647
Pasis wages	I	10.01.01	110,454
Basic wages	II		110,454
Other increments	1	10.01.06	171
Other increments	II		171
Prize fund	I	10.01.08	8,837
Prize fund	II		8,837
Delegation allowance	I	10.01.13	1,708
Delegation allowance	II		1,708
Other each wage rights	I	10.01.30	1,477
Other cash wage rights	II		1,477
Ware expenses in kind	I	10.02.	74
Wage expenses in-kind	II		74
Lunch tickets	I	10.02.01	1
Lunch tickets	II		1

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Indicators	I. Commitment appropriation II. Budgetary appropriation	Code	2018 programme
0	1	2	3
Vacation vouchers	I	10.02.06	73
vacation vouchers	II		73
Contributions	I	10.03.	4,175
Contributions	II		4,175
Contributions to state social insurance	I	10.03.01	1,047
Contributions to state social insurance	II		1,047
Contributions to unemployment insurance	I	10.03.02	33
Contributions to unemployment insurance	II		33
Contributions to social health insurance	I	10.03.03	350
Contributions to social health insurance	II		350
Contributions to work accidents and professional diseases	I	10.03.04	15
Contributions to work accidents and professional diseases	II		15
Contributions for vacations and allowances	I	10.03.06	84
Contributions for vacations and allowances	II		84
Labor insurance contribution	I	10.03.07	2,646
Eddor madranee contribution	II		2,646
TITLE II. GOODS AND SERVICES	I	20	65,843
THE II. COODS AND SERVICES	II		64,494
Goods and services	I	20.01	31,515
Occus and services	II		29,199
Office furniture	I	20.01.01	274
Office furniture	II		274
Cleaning materials	I	20.01.02	182
Cicaming materials	II		185

Indicators	I. Commitment appropriation II. Budgetary appropriation	Code	2018 programme
0	1	2	3
Heating, electricity and motive power	I	20.01.03	2,845
Heating, electricity and motive power	II		2,870
Water, sewerage and waste	1	20.01.04	179
water, sewerage and waste	II		170
	I	20.01.05	1,674
Fuel and lubricants	II		1,030
Chara harts	I	20.01.06	122
Spare parts	II		122
Transparant	I	20.01.07	3
Transport	II		3
Doct telegogram microtica modic TV Intermet	I	20.01.08	2,393
Post, telecommunication, radio, TV, Internet	II		2,367
Materials and services with functional character	I	20.01.09	10,315
Materials and services with functional character	II		10,270
Other seeds and seminar for reciptorance and exerciting consists	I	20.01.30	13,528
Other goods and services for maintenance and operation services	II		11,908
Command was also	I	20.02	2,118
Current repairs	II		1,912
Condonalimentom objects	I	20.05	1,225
Goods as inventory objects	II		1,248
Other inventory chiests	I	20.05.30	1,225
Other inventory objects	II		1,248
Delegations according to the major to	l l	20.06	2,639
Delegations, secondments, transfers	II		2,639

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Indicators	I. Commitment appropriation II. Budgetary appropriation	Code	2018 programme
0	1	2	3
Internal delegations, secondments, transfers	I	20.06.01	1,444
Internal delegations, secondments, transfers	II		1,444
Delegations abread	I	20.06.02	1,195
Delegations abroad	II		1,195
Dooks wildigations and dooring materials	I	20.11	78
Books, publications and documentary materials	II		74
Consultance and experties	I	20.12	6,718
Consultancy and expertise	II		7,053
Professional training	I	20.13	1,200
Professional training	II		1,200
Workplace safety	I	20.14	214
workplace salety	II		214
Allowances and other costs generated by loans	I	20.24	7
Allowances and other costs generated by loans	П		7
Allowances and other costs generated by external loans	I	20.24.01	7
Allowances and other costs generated by external loans	II		7
Legal and extra-legal expenses derived from representing state interests, according to	1	20.25	433
the legal provisions	II		433
Other expenses	I	20.30	19,696
Other expenses	П		20,515
Advertisement and publicity	I	20.30.01	3,792
Advertisement and publicity	II		3,875
Dratecal and representation	I	20.30.02	2,280
Protocol and representation	П		2,280

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Indicators	I. Commitment appropriation II. Budgetary appropriation	Code	2018 programme
0	1	2	3
Non-life insurances	1	20.30.03	1,167
Non-life insurances	II		1,313
Rents	1	20.30.04	11,295
Rents	II		11,885
To see the see the see the state of the see	1	20.30.09	46
Forced execution of budgetary debts	II		46
Other expenses with goods and services	1	20.30.30	1,116
Other expenses with goods and services	II		1,116
TITLE III INTERECTO	1	30	26
TITLE III. INTERESTS	II		26
	I	30.02	26
Interest related to the external public debt	II		26
	1	30.02.02	26
Interest related to the external debts contracted by the credit principals	II		26
TITLE W. TRANSFERS RETWEEN BURLIS ARMINISTRATION RODIES	I	51	10,000
TITLE VI. TRANSFERS BETWEEN PUBLIC ADMINISTRATION BODIES	II		10,000
	I	51.01	10,000
Current transfers	II		10,000
	I	51.01.01	10,000
Transfers to public institutions	II		10,000
TITLE VIII OTHER TRANSFERS	I	55	1,381
TITLE VII. OTHER TRANSFERS	II		1,381
	I	55.02	1,381
Current transfers abroad (to international organisations)	II		1,381

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Indicators	I. Commitment appropriation II. Budgetary appropriation	Code	2018 programme
0	1	2	3
Contributions and dues to international bodies	I	55.02.01	1,381
Contributions and dues to international bodies	II		1,381
TITLE IX. SOCIAL WELFARE	I	57	6,155
TITLE IX. SOCIAL WELFARE	II		6,155
Social aid	I	57.02	6,155
	II		6,155
Cash social aid	I	57.02.01	6,077
Casti social ald	II		6,077
Nursery vouchers and social vouchers for kindergarten	I	57.02.03	78
Nursery vouchers and social vouchers for kindergarten	II		78
TITLE X. PROJECTS FINANCED FROM NON-REFUNDABLE EXTERNAL GRANTS FOR THE	I	58	0
2014-2020 FINANCIAL TIMEFRAME	II		22
Connecting Europe Facility (CEF)	I	58.30	0
Connecting Europe Facility (CEF)	II		22
National financing	I	58.30.01	0
National infancing	II		9
Non-refundable external financing	I	58.30.02	0
Non-retundable external financing	II		13
TITLE VI OTHER EVRENCES	I	59	658
TITLE XI. OTHER EXPENSES	II		658
Civil common actions	I	59.17	1
Civil compensations	II		1
A manustra for a discalated as a sale mating to all a	I	59.40	657
Amounts for disabled people not included	II		657

Indicators	I. Commitment appropriation II. Budgetary appropriation	Code	2018 programme
0	1	2	3
CAPITAL EXPENSES	1	70	108,930
CAPITAL EXPENSES	II		122,251
TITLE XIII. NON-FINANCIAL ASSETS	I	71	108,930
TITLE AIII. NON-FINANCIAL ASSETS	II		122,251
FIXED ASSETS	I	71.01	108,930
FIXED ASSETS	II		122,251
Constructions	I	71.01.01	13,010
Constructions	II		13,768
Cars, equipment and means of transport	I	71.01.02	77,783
Cars, equipment and means of transport	II		89,925
Furniture, bureaucratic and other tangible assets	1	71.01.03	3,006
Furniture, bureaucratic and other tangible assets	II		3,006
Other fixed assets	1	71.01.30	15,131
Other fixed assets	II		15,552
FINANCIAL OPERATIONS	I	79	2,587
FINANCIAL OPERATIONS	II		5,387
TITLE XVII. LOAN REPAYMENTS	1	81	2,587
TITLE XVII. LOAN REPAYMENTS	II		5,387
Repayment of external debts	I	81.01	2,587
Repayment of external debts	II		5,387
Depayment of outernal debts contracted by the credit ariseinals	I	81.01.01	2,587
Repayment of external debts contracted by the credit principals	II		5,387
RESERVES, SURPLUS/DEFICIT		96.10	28,688
Surplus		98.10	28,688

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BALANCE SHEET AS OF 31.12.2018

code 01 lei

No	INDICATORS	Row code	Balance account at the beginning of the year	Balance account at the end of the year
Α	В	С	1	2
1.	ASSETS	01	x	X
2.	NON-CURRENT ASSETS	02	x	x
3.	Intangible fixed assets (ac. 2030000+2050000+2060000+2080100+2080200+ 2330000-2800300-2800500-2800800-2900400-2900500-2900800-2930100*)	03	3,848,327	2,881,042
4.	Technical installations, transport means, animals, plantations, furniture, bureaucratic and other tangible assets (ac.2130100+2130200+2130300+2130400+2140000+ 2310000 -2810300-2810301-2810302-2810303-2810304-2810400-2910300-2910301-2910302-2910303-2910304-2910400-2930200*)	04	102,130,730	89,523,780
5.	Land and buildings (ac. 2110100+2110200+2120101+2120102+2120201+2120301+2120401+2120501+2120601+2120901+2310000-2810100-2810200-2810201-2810202-2810203-2810204-2810205-2810206-2810207-28102082910100-2910200-2910201-2910202-2910203-2910204-2910205-2910206-2910208-2930200)	05	79,431,406	78,583,235
6.	Other non-financial assets (ac.2150000)	06		
7.	Non-current financial assets (long-term investments) - over 1 year (ac. 2600100+2600200+2600300+2650000+2670201+ 2670202+ 2670203+2670204+2670205+2670208-2960101-2960103-2960200), of wich:	07	39,119	35,628
8.	Equity investments (ac. 2600100+2600200+2600300-2960101-2960102 -2960103)	08		
9.	Non-current debts - amounts to be received after more than 1 year (ac. 4110201+4110208+4130200+4280202+4610201 + 4610209- 4910200-4960200), of which:	09		
10.	Non-current commercial debts - amounts to be received after more than 1 year (ac. 4110201+4110208+4130200+4610201-4910200 -4960200)	10		
11.	TOTAL NON-CURRENT ASSETS (rows 03+04+05+06+07+09)	15	185,449,582	171,023,685
12.	CURRENT ASSETS	18	х	x

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code 01 lei

No	INDICATORS	Row code	Balance account at the beginning of the year	Balance account at the end of the year
Α	В	С	1	2
13.	Stocks (ac. 3010000+3020100+3020200+3020300+3020400+3020500+3020600+3020700+3020800+3020900+3 030100+3030200+3040100+3040200+3050100+3050200+3070000+3090000+3310000+3320000+341000 0+3450000+3460000+3470000+3490000+3510100+3510200+3540100+3540500+3540600+3560000+3570 000+3580000+3590000+3610000+3710000+ 3810000+/-3480000+/-3780000-3910000-3920100-3920200- 3920300-3930000-3940100-3940500-3940600-3950100-3950200-3950300-3950400-3950600-3950700- 3950800-3960000-3970000-3970100-3970200-3970300-3980000-4420803)	19	8,556,404	9,160,283
14.	Current debts - amounts to be received in less than 1 year	20	X	X
15.	Debts from commercial operations, prepayments and other offsets (ac. 2320000+2340000+4090101+4090102+4110101+4110108+4130100+4180000+4250000+4280102+4610101 +4610109+4730109**+4810101+4810102+4810103+4810900+4830000+4840000+4890101+4890301-4910100- 4960100+5120800), of wich:	21	368,919	2,237,736
16.	Offsets regarding the conclusion of the state budget execution of the current year (ac.4890101+4890301)	21.1		
17.	Commercial debts and prepayments (ac. 2320000+2340000+4090101+4090102+4110101+ 4110108+4130100+4180000+4610101-4910100-4960100), of which:	22	149,532	468,485
18.	Prepayments granted (ac.2320000+2340000+4090101+4090102)	22.1		
19.	Budgetary debts (ac. 4310100**+4310200**+4310300**+4310400**+4310500**+4310600+4310700**+4370100**+4370200**+437 0300**+4420400+4420800**+4420802+4440000**+4460100**+4460200**+4480200+4610102+4610104+46 30000+4640000+4650100+4650200+4660401+4660402+4660500+4660900+4810101**+4810102**+4810103 **+ 4810900**-4970000), of wich:	23	101,849,540	103,063,661
20.	Debts of the general consolidated budget (ac. 4630000+4640000+4650100+4650200+4660401+ 4660402+ 4660500+4660900-4970000)	24		
21.	Debts from operations with non-refundable external funds and budget funds (ac. $4500100+4500300+4500501+4500502+4500503+4500504+4500505+4500700+4510100+4510300+4510000+4530100+4540100+4540301+4540302+4540501+4540502+4540503+4540504+4550100+4550301+4550302+4550303+4560100+4560303+4560309+4570100+4570201+4570202+4570203+4570205+4570206+4570209+4570301+4570302+4570309+4580100+4580301+4580302+4610103+4730103**+ 4740000+4760000), of which:$	25	30,814	30,814

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No	INDICATORS	Row code	Balance account at the beginning of the year	Balance account at the end of the year
Α	В	С	1	2
22.	Amounts to be received from the European Commission / other donors (ac. 4500100+4500300+4500501+4500502+4500503+ 4500504+ 4500505+4500700)	26	15,003	15,003
23.	Short-term loans granted (ac. 2670101+2670102+2670103+2670104+2670105+ 2670108+2670601+2670602+2670603+2670604+2670605 +2670609+4680101+4680102+4680103+4680104+4680105+4680106+4680107+4680108+4680109+4690103+4690105+4690106+4690108+4690109)	27		
24.	Total current debts (rows 21+23+25+27)	30	102,249,273	105,332,211
25.	Short-term investments (ac.5050000-5950000)	31		
26.	Accounts in treasury and credit institutions:	32	×	х
27.	$ \begin{array}{c} \textbf{Accounts in treasury, cash in lei} \\ (ac. \ 5100000+5120101+5120501+5130101+5130301+5130302+5140101+5140301+5140302+5150101+5150103+51503 \\ 01+5150500+5150600+5160101+5160301+5160302+5170101+5170301+5170302+5200100+5210100+5210300+523 \\ 0000+5250101+5250102+5250301+5250302+5250400+5260000+5270000+5280000+5290101+5290201+5290 \\ 301+5290400+5290901+5310101+5410101+5500101+5520000+5550101+5550400+5570101+5580101+5580201+5 \\ 590101+5600101+5600300+5600401+5610101+5610300+5620101+5620300+5620401+5710100+5710300+57104 \\ 00+5740101+5740102+5740301+5740302+5740400+5750100+5750300+5750400-7700000) \end{array} $	33	987,857,430	1,189,410,651
28.	Receivable interest, other valuables, treasury prepayments (ac. 5180701+5320100+5320200+5320300+5320400+ 5320500+ 5320600+5320800+5420100)	33.1	6,105	0
29.	deposits	34	×	×
30.	Accounts in credit institutions, BNR, cash in foreign currency (ac. 5110101+5110102+5120102+5120402+5120502+5130102+5130202+5140102+5140202+5150102+5150202+51503 02+5160102+5160202+51701025170202+5290102+5290202+5290302+5290902+5310402+5410102+5410202+55 00102+5550102+5550202+5570202+5580102+5580202+5580302+5580303+5590102+5590202+5600102+560 0103+5600402+5610102+5610103+5620102+5620103+5620402)	35	104,637	123,207
31.	Receivable interest, treasury prepayments (ac.5180702+5420200)	35.1	3,029	О
32.	deposits	36	х	x
33.	Total liquid assets and other values (rows 33+33.1+35+35.1)	40	987,971,201	1,189,533,858

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No	INDICATORS	Row code	Balance account at the beginning of the year	Balance account at the end of the year
Α	В	С	1	2
34.	Liquid assets accounts of the Central Treasury and other territorial treasuries (ac. 5120600+5120700+5120901+5120902+5121000+5121100+5240100+5240200+5240300+5550101+5550102+550103 -7700000)	41		
35.	Receivable interest, other values, treasury prepayments (ac. 5320400+5180701+5180702)	41.1		
36.	Prepayments (ac. 4710000)	42	1,663,417	134,392
37.	TOTAL CURRENT ASSETS (rows 19+30+31+40+41+41.1+42)	45	1,100,440,295	1,304,160,744
38.	TOTAL ASSETS (rows 15+45)	46	1,285,889,877	1,475,184,429
39.	DEBTS	50	х	×
40.	NON-CURRENT DEBTS - amounts to be paid after more than 1 year	51	×	×
41.	Non-current payables - amounts to be paid after more than 1 year (ac. 2690200+4010200+4030200+4040200+4050200+ 4280201+ 4620201+4620209+5090000), of which:	52		
42.	Commercial debts (ac.4010200+4030200+4040200+4050200+4620201)	53		
43.	Long-term loans (ac. 1610200+1620200+1630200+1640200+1650200+ 1660201+1660202+1660203+1660204+1670201+1670202+ 1670203+1670208+1670209-1690200)	54	0	0
44.	Provisions (ac. 1510201+1510202+1510203+1510204+1510208)	55		
45.	TOTAL NON-CURRENT DEBTS (rows 52+54+55)	58	0	0
46.	CURRENT DEBTS - amounts to be paid within less than 1 year	59	×	×
47.	Commercial debts, prepayments and other offsets (ac. 2690100+4010100+4030100+4040100+4050100+ 4080000+4190000+4620101+4620109+4730109+48101 01+4810102+4810103+4810200+4810300+4810900+4820000+4830000+4840000+4890201+5090000+51208 00), of which:	60	3,176,206	1,638,958

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	code OI			lei
No	INDICATORS	Row code	Balance account at the beginning of the year	Balance account at the end of the year
Α	В	С	1	2
48.	Offsets regarding the conclusion of the state budget execution of the current year (ac. 4890201)	60.1		
49.	Commercial debts and prepayments (ac. 4010100+4030100+4040100+4050100+ 4080000+ 4190000+ 4620101), of which:	61	2,113,416	1,193,525
50.	Prepayments received (ac.4190000)	61.1		
51.	Debts to budgets (ac. 4310100+4310200+4310300+4310400+4310500+ 4310600+4310700+4370100+4370200+4370300+4400 000+4410000+4420300+4420801+4440000+4460000+4460100+4460200+4480100+4550501+ 4550502+4 550503+4620109+4670100+4670200+4670300+4670400+4670500+4670900+4730109+4810900), of which:	62	3,524,169	4,622,476
52.	Debts of public institutions to budgets	63	x	х
53.	Social contributions (ac. 4310100+4310200+43 10300+4310400+4310500+4310600+ 4310700+4370100+4370200+4370300)	63.1	2,466,529	3,897,046
54.	Amounts owed to the budget from non-refundable external funds (ac.4550501+4550502+4550503)	64		
55.	Debts from operations with non-refundable external funds and budget funds, other debts to other international bodies (ac. 4500200+4500400+4500600+4510200+4510401+ 4510402+45104094540402+4540409+4510601+4510 602+4510603+4510605+4510606+4510609+4520100+4520200+4530200+4540200+4540401+4540402+454 0601+4540602+4540603+4550200+4550401+4550402+4550403+4550409+4560400+4580401+4 580402+4580501+4580502+4590000+4620103+4730103+ 4760000)	65		
56.	of which: amounts owed to the European Commission / other donors (ac.4500200+4500400+45006 00+4590000+4620103)	66		
57.	Short-term loans - amounts to be paid within less than 1 year (ac. 5180601+5180603+5180604+5180605+5180606+ 5180608+5180609+5180800+5190101+5190102+5190103+5 190104+5190105+5190106+5190107+5190108+5190109+ 5190110+ 5190180+5190190)	70		
58.	Long-term loans - amounts to be paid during the current financial year (ac. 1610100+1620100+1630100+1640100+1650100+ 1660101+1660102+1660103+1660104+1670101+1670102+1670 103+1670108+1670109+1680100+1680200+1680300+1680400+1680500+1680701+1680702+1680703+1680708 +1680709-1690100)	71	2,616,575	0
59.	Employees' salaries (ac. 4210000+4230000+4260000+4270100+4270300+4280101)	72	4,365,611	5,503,857
			-1	

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No	INDICATORS	Row code	Balance account at the beginning of the year	Balance account at the end of the year
Α	В	С	1	2
60.	Other rights of other categories of persons (pensions, unemployment indemnities, grants) (ac. 4220100+4220200+4240000+4260000+4270200+ 4270300+ 4290000+4380000), of which:	73		
61.	Pensions, unemployment indemnities, grants	73.1	2,547,006	2,547,006
62.	Revenues in advance (ac.4720000)	74	10,251	7,659
63.	Provisions (ac.1510101+1510102+1510103+1510104+1510108)	75		
64.	TOTAL CURRENT DEBTS (rows 60+62+65+70+71+72+73+74+75)	78	13,692,812	11,772,950
65.	TOTAL DEBTS (rows 58+78)	79	13,692,812	11,772,950
66.	NET ASSETS = TOTAL ASSETS - TOTAL DEBTS = OWN CAPITALS (row 80= rows 46-79 = row 90)	80	1,272,197,065	1,463,411,479
67.	OWN CAPITALS	83	×	x
68.	Reserves, funds (ac.1000000+1010000+1020101+1020102+1020103+1030000+1040101+1040102+1040103+1050100+1 050200+1050300+1050400+1050500+1060000+1320000+1330000)	84	27,534,819	26,352,781
69.	Reported result (ac.1170000- credit item)	85	1,052,756,683	1,247,454,509
70.	Reported result (ac.1170000- debit item)	86		
71.	Patrimony result of the financial year (ac.1210000- credit item)	87	191,905,563	189,604,189
72.	Patrimony result of the financial year (ac.1210000- debit item)	88		
73.	TOTAL OWN CAPITALS (rows 84+85-86+87-88)	90	1,272,197,065	1,463,411,479

EXECUTION ACCOUNT OF THE PUBLIC INSTITUTION'S BUDGET - EXPENDITURES AS OF 31 DECEMBER 2018

International relations

Code 21		Engagem	ent credits	Budgeta	ry credits				D	Lei
INDICATORS	Indicator code	initial	final	initial	final	Budgetary engagements	Legal engagements	Payments	Legal engagements to be paid	Effective expenditure
A	В	1	2	3	4	5	6	7	8=6-7	9
TOTAL EXPENSES (01+70+79+83+84)	85.10.	322,476,000	322,476,000	337,270,000	337,270,000	186,585,438	186,585,438	178,221,925	8,363,513	192,238,524
CURRENT EXPENSES (1 0+20+30+40+50+51+5 5+56+57+58+59+65)	01	213,546,000	210,959,000	212,219,000	209,632,000	157,993,632	157,993,632	153,151,881	4,841,751	155,182,201
TITLE I PERSONNEL EXPENSES (codes 10.01+10.02+10.03)	10	126,896,000	126,896,000	126,896,000	126,896,000	104,419,101	104,419,101	104,228,972	190,129	106,607,166
Cash wage expenses (codes 10.01.01 to 10.01.16+10.01.30)	10.01	122,647,000	122,647,000	122,647,000	122,647,000	100,788,500	100,788,500	100,598,371	190,129	104,224,695
Basic wages	10.01.01	110,454,000	110,454,000	110,454,000	110,454,000	89,664,371	89,664,371	89,664,371	0	93,585,374
Other increments	10.01.06	192,000	171,000	192,000	171,000		33,290		0	
Overtime	10.01.07	0	0	0	0	0	0	0	0	0
Prize fund	10.01.08	8,837,000	8,837,000	8,837,000	8,837,000	8,836,353	8,836,353	8,836,353	0	8,836,353
Vacation bonus	10.01.09	0			0				0	
Delegation allowance	10.01.13	1,708,000	1,708,000	1,708,000	1,708,000	1,151,326	1,151,326	1,150,468	858	1,147,810
Allowances for delegations in the country	10.01.13.01	108,000	108,000	108,000	108,000	49,130	49,130	49,130	0	49,096
Allowances for delegations abroad	10.01.13.02	1,600,000	1,600,000	1,600,000	1,600,000	1,102,196	1,102,196	1,101,338	858	1,098,714
Other cash wage rights	10.01.30	1,456,000	1,477,000	1,456,000	1,477,000	1,103,160	1,103,160	913,889	189,271	620,802
Wage expenses in- kind (codes 10.02.01 to 10.02.06+10.02.30)	10.02	74,000	74,000	74,000	74,000	42,515	42,515	42,515	o	17,100
Lunch tickets	10.02.01	1,000	1,000	1,000	1,000	165	165	165	0	С
Vacation vouchers	10.02.06	73,000							0	

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Code 21 Lei

Code 21										Lei
		Engageme	ent credits	Budgetar	y credits	9 8	en		e e	
INDICATORS	Indicator code	initial	final	initial	final	Budgetary engagements	Legal engagements	Payments	Legal engagements to be paid	Effective expenditure
Contributions (code 10.03.01 to 10.03.06)	10.03	4,175,000	4,175,000	4,175,000	4,175,000	3,588,086	3,588,086	3,588,086	O	2,365,371
Contributions to state social insurance	10.03.01	920,000	1,047,157	920,000	1,047,157	1,015,936	1,015,936	1,015,936	0	O
Contributions to unemployment insurance	10.03.02	30,000	33,004	30,000	33,004	32,867	32,867	32,867	O	O
Contributions to social health insurance	10.03.03	310,000	349,928	310,000	349,928	339,658	339,658	339,658	0	O
Contributions to work accidents and professional diseases	10.03.04	15,000	15,160	15,000	15,160	13,782	13,782	13,782	O	0
Contributions for vacations and allowances	10.03.06	100,000	83,878	100,000	83,878	55,964	55,964	55,964	O	0
Labor insurance contribution	10.03.07	2,800,000	2,645,873	2,800,000	2,645,873	2,129,879	2,129,879	2,129,879	0	2,365,371
TITLE II GOODS AND SERVICES (codes 20.01 to 20.07+20.09 to 20.16+20.18 to 20.25+20.27+20.28+20.30 to 20.36)	20	68,737,000	65,843,000	67,388,000	64,494,000	38,140,688	38,140,688	33,614,297	4,526,391	33,897,214
Goods and services (codes 20.01.01 to 20.01.09+20.01.30)	20.01	33,862,000	31,515,000	31,546,000	29,199,000	17,780,037	17,780,037	15,233,031	2,547,006	15,190,657
Office furniture	20.01.01	334,000	274,000	334,000	274,000	171,112	171,112	171,112	0	165,317
Cleaning materials	20.01.02	182,000	182,000	185,000	185,000	124,435	124,435	124,435	0	105,455
Heating, electricity and motive power	20.01.03	2,845,000	2,845,000	2,870,000	2,870,000	2,201,210	2,201,210	1,484,226	716,984	1,515,444
Water, sewerage and waste	20.01.04	179,000	179,000	170,000	170,000	127,581	127,581	94,995	32,586	92,084
Fuel and lubricants	20.01.05	1,674,000	1,674,000	1,030,000	1,030,000	1,029,927	1,029,927	973,592	56,335	963,917
Spare parts	20.01.06	108,000	122,000	108,000	122,000	104,186	104,186	104,186	0	128,573
Transport	20.01.07	3,000	3,000	3,000	3,000	0	0	0	0	0

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INDICATORS	Indicator code	initial	final	initial	final	Budgetary engagements	Legal engagements	Payments	Legal engagements to be paid	Effective expenditure
Post, telecommunications, radio, TV, Internet	20.01.08	4,341,000	2,393,000	4,315,000	2,367,000	2,080,574	2,080,574	1,746,912	333,662	1,823,292
Materials and services with functional character	20.01.09	10,473,000	10,315,000	10,428,000	10,270,000	3,493,462	3,493,462	3,413,294	80,168	3,228,148
Other goods and services for maintenance and operation services	20.01.30	13,723,000	13,528,000	12,103,000	11,908,000	8,447,550	8,447,550	7,120,279	1,327,271	7,168,427
Current repairs	20.02	2,118,000	2,118,000	1,912,000	1,912,000	1,466,236	1,466,236	926,659	539,577	826,739
Goods such as inventory objects (codes 20.05.01+ 20.05.03 + 20.05.30)	20.05	946,000	1,224,750	969,000	1,247,750	744,232	744,232	744,232	0	159,735
Uniforms and equipment	20.05.01	0	0	0	0	0	0	0	0	693
Bed sheets and other bed accessories	20.05.03	О	0	0	0	0	O	O	0	O
Other inventory objects	20.05.30	946,000	1,224,750	969,000	1,247,750	744,232	744,232	744,232	0	159,042
Delegations, secondments, transfers (codes 20.06.01+20.06.02)	20.06	2,570,000	2,639,000	2,570,000	2,639,000	1,675,718	1,675,718	1,660,436	15,282	1,664,907
Internal delegations, secondments, transfers	20.06.01	1,575,000	1,444,000	1,575,000	1,444,000	684,600	684,600	684,600	0	688,162
Delegations abroad	20.06.02	995,000	1,195,000	995,000	1,195,000	991,118	991,118	975,836	15,282	976,745
Books, publications and documentary materials	20.11	78,000	78,000	74,000	74,000	44,030	44,030	32,936	11,094	32,222
Consultancy and expertise	20.12	6,932,000	6,718,000	7,267,000	7,053,000	2,273,151	2,273,151	2,004,709	268,442	2,002,099
Professional training	20.13	1,000,000	1,200,000	1,000,000	1,200,000	1,025,258	1,025,258	1,025,258	0	1,023,522

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INDICATORS	Indicator code	initial	final	initial	final	Budgetary engagements	Legal engagements	Payments	Legal engagements to be paid	Effective expenditure
Workplace safety	20.14	214,000	214,000	214,000	214,000	147,005	147,005	134,089	12,916	134,182
Allowances and other costs generated by loans (codes 20.24.01 to 20.24.04)	20.24	7,000	7,000	7,000	7,000	4,430	4,430	4,430	o	4,382
Allowances and other costs generated by external loans	20.24.01	7,000	7,000	7,000	7,000	4,430	4,430	4,430	O	4,382
Legal and extra-legal expenses derived from representing state interests, according to the legal provisions	20.25	433,000	433,000	433,000	433,000	64,882	64,882	182	64,700	182
Other expenses (codes 20.30.01 to 20.30.04+20.30.06 to 20.30.09 +20.30.30)	20.30	20,577,000	19,696,250	21,396,000	20,515,250	12,915,709	12,915,709	11,848,335	1,067,374	12,858,587
Advertisement and publicity	20.30.01	3,792,000	3,792,000	3,875,000	3,875,000	728,422	728,422	661,966	66,456	652,745
Protocol and representation	20.30.02	2,280,000	2,280,000	2,280,000	2,280,000	1,128,217	1,128,217	1,047,181	81,036	1,045,439
Non-life insurances Rents	20.30.03	1,391,000 11,295,000	1,167,250 11,295,000	1,537,000 11,885,000	1,313,250 11,885,000	578,360 10,326,524	578,360 10,326,524	578,360 9,423,632	0 902,892	828,710 10,194,234
Forced execution of budgetary debts	20.30.09	46,000	46,000	46,000	46,000	0	0	0	0	0
Other expenses with goods and services	20.30.30	1,773,000	1,116,000	1,773,000	1,116,000	154,186	154,186	137,196	16,990	137,459
TITLE III INTEREST (codes 30.01+30.02+30.03+30.04)	30	60,000	26,000	60,000	26,000	24,992	24,992	24,992	o	24,855
Interest related to the external public debt (codes 30.02.01 to 30.02.05)	30.02	60,000	26,000	60,000	26,000	24,992	24,992	24,992	o	24,855

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INDICATORS	Indicator code	initial	final	initial	final	Budgetary engagements	Legal engagements	Payments	Legal engagements to be paid	Effective expenditure
Interest related to the external debts contracted by the credit principals	30.02.02	60,000	26,000	60,000	26,000	24,992	24,992	24,992	0	24,855
TITLE VI TRANSFERS BETWEEN PUBLIC ADMINISTRATION BODIES (codes 51.01+51.02)	51	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	0	10,000,000
Current transfers (codes 51.01.01 to 51.01.28+51.01.30 to 51.01.32+51.01.34 to 51.01.59 + 51.01.63 + 51.01.65 + 51.01.66 +51.01.67)	51.01	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	o	10,000,000
Transfers to public institutions	51.01.01	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	0	10,000,000
TITLE VII OTHER TRANSFERS (code 55.01 to 55.04)	55	1,504,000	1,381,000	1,504,000	1,381,000	1,358,215	1,358,215	1,358,215	0	1,296,941
B. Current transfers abroad (to international organisations) (codes 55.02.01 to 55.02.06)	55.02	1,504,000	1,381,000	1,504,000	1,381,000	1,358,215	1,358,215	1,358,215	0	1,296,941
Contributions and dues to international bodies	55.02.01	1,504,000	1,381,000	1,504,000	1,381,000	1,358,215	1,358,215	1,358,215	0	1,296,941
TITLE IX. SOCIAL WELFARE (codes 57.01+57.02+57.03)	57	6,348,000	6,155,000	6,348,000	6,155,000	3,392,958	3,392,958	3,392,958	o	2,811,352
Social aid (codes 57.02.01 to 57.02.04)	57.02	6,348,000	6,155,000	6,348,000	6,155,000	3,392,958	3,392,958	3,392,958	o	2,811,352
Cash social aid	57.02.01	6,270,000	6,077,000	6,270,000	6,077,000	3,392,958	3,392,958	3,392,958	0	2,811,352
Kindergarten vouchers	57.02.03	78,000	78,000	78,000	78,000	0	0		0	

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INDICATORS	Indicator code	initial	final	initial	final	Budgetary engagements	Legal engagements	Payments	Legal engagements to be paid	Effective expenditure
TITLE X PROJECTS FINANCED FROM NON-REFUNDABLE EXTERNAL GRANTS FOR THE 2014- 2020 FINANCIAL TIMEFRAME (codes 58.01 to 58.17+58.19 to 58.29)	58	O	O	22,000	22,000		678	678	0	O
Connecting Europe Facility (CEF)	58.30	o	o	22,000	22,000	678	678	678	o	o
National financing	58.30.01	0	0	9,000	9,000	169	169	169	0	0
Non-refundable external financing	58.30.02	0	0	13,000	13,000	509	509	509	0	0
TITLE XI OTHER EXPENSES (codes 59.01 to 59.28 +59.30 to 59.38)	59	1,000	658,000	1,000	658,000	657,000	657,000	531,769	125,231	544,673
Civil compensations	59.17	1,000	1,000	1,000	1,000	0	0	0	0	0
Amounts for disabled people not included	59.40	o	657,000	O	657,000	657,000	657,000	531,769	125,231	544,673
TITLE XII EXPENSES RELATED TO REFUNDABLE FINANCING PROGRAMMES (code 65.01)	65	o	o	o	o	o	o	o	o	o
Expenses related to refundable financing programmes	65.01	o	o	o	0	o	o	o	0	o

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INDICATORS	Indicator code	initial	final	initial	final	Budgetary engagements	Legal engagements	Payments	Legal engagements to be paid	Effective expenditure
Expenses related to refundable financing programmes from the contribution of the projects' final beneficiaries	65.02	o	O	o	o	0	o	o	o	o
CAPITAL EXPENSES (codes 71+72+75)	70	108,930,000	108,930,000	122,251,000	122,251,000	27,074,167	27,074,167	23,552,405	3,521,762	37,043,990
TITLE XIII NON- FINANCIAL ASSETS (codes 71.01 to 71.03)	71	108,930,000	108,930,000	122,251,000	122,251,000	27,074,167	27,074,167	23,552,405	3,521,762	37,043,990
Fixed assets (codes 71.01.01 to 71.01.04 + 71.01.30)	71.01	108,930,000	108,930,000	122,251,000	122,251,000	27,074,167	27,074,167	23,552,405	3,521,762	37,043,990
Constructions	71.01.01	13,010,000	13,010,000	13,768,000	13,768,000	2,334,933	2,334,933	2,215,810	119,123	3,083,720
Cars, equipment and means of transport	71.01.02	77,783,000	77,783,000	89,925,000	89,925,000	20,665,670	20,665,670	20,665,670	0	31,121,253
Furniture, bureaucratic and other tangible assets	71.01.03	3,006,000	3,006,000	3,006,000	3,006,000	474,474	474,474	474,473	1	630,714
School buses	71.01.04	0		0	0	0	0	0	0	0
Other fixed assets	71.01.30	15,131,000		15,552,000	15,552,000	3,599,090	3,599,090	,	3,402,638	2,208,303
Stocks (code 71.02.01)	71.02	0	0	0	0	0	0	0	0	0
State and mobilisation reserves	71.02.01	0	0	0	0	0	0	0	0	0
Capital repairs related to fixed assets	71.03	o	O	o	O	0	0	o	o	O
TITLE XIV FINANCIAL ASSETS (code 72.01)	72	О	O	o	o	O	o	o	o	o
Financial assets (code 72.01.01)	72.01	0	O	0	O	o	o	0	o	O
Participation in the social capital of commercial companies	72.01.01	0	0	0	0	0	0	0	0	0

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INDICATORS	Indicator code	initial	final	initial	final	Budgetary engagements	Legal engagements	Payments	Legal engagements to be paid	Effective expenditure
TITLE XV NATIONAL DEVELOPMENT FUND	75	o	0	0	O		O	o	o	C
FINANCIAL OPERATIONS (codes 80+81)	79	o	2,587,000	2,800,000	5,387,000	2,535,415	2,535,415	2,535,415	o	12,333
TITLE XVI LOANS (codes 80.01 to 80.09+80.30)	80	o	0	0	0	0	o	0	0	C
TITLE XVII REPAYMENT OF DEBTS (codes 81.01 to 81.03)	81	O	2,587,000	2,800,000	5,387,000	2,535,415	2,535,415	2,535,415	0	12,333
Repayment of external debts (codes 81.01.01 +81.01.02 + 81.01.05 +81.01.06+81.01.07)	81.01	o	2,587,000	2,800,000	5,387,000	2,535,415	2,535,415	2,535,415	0	12,333
Repayment of external debts contracted by the credit principals	81.01.01	0	2,587,000	2,800,000	5,387,000	2,535,415	2,535,415	2,535,415	0	12,333
TITLE XIX PAYMENTS MADE IN THE PREVIOUS YEARS AND RECOVERED IN THE CURRENT YEAR (code 85)	85	o	o	o	o	-1,017,776	-1,017,776	-1,017,776	o	C
Payments made in the previous years and recovered in the current year (codes 85.01.03 +85.01.04 + 85.01.05)	85.01	o	0	0	O	-1,017,776	-1,017,776	-1,017,776	0	C

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	Indicator code	initial	final	initial	final	Budgetary engagements	Legal ngagements	Payments	Legal engagements to be paid	Effective expenditure
Payments made in the previous years and recovered in the current year on current expenses and financial operations of other public institutions	85.01.03	0	0	0	0	-1,017,776	-1,017,776	-1,017,776	o	o
TITLE XX RESERVES, SURPLUS / DEFICIT	90	o	O	0	0	0	0	o	o	О
Reserves	91.01	0	0	0	0	0	0	0	0	0
Surplus	92.01	0	0	0	0	0	0		0	0
Deficit	93.01	0	0	0	0	0	0	0	0	0

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EXECUTION ACCOUNT OF THE PUBLIC INSTITUTION'S BUDGET - INCOMES AS OF 31.12.2018

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Indicators	Code	Initial budgetary provisions	Final budgetary provisions	Rights acknowledged				Liquidation	iei
				Total, of which:	previous years	current year		through other means than payments received	Payments to be received
А	В	1	2	3=4+5	4	5	6	7	8=3-6-7
Total incomes		365,958,000	365,958,000	484,216,282	101,922,648	382,293,634	380,404,965	874,340	102,936,977
Other taxes on goods and services	12.10	1,000	1,000	2,198,645	2,198,645	o	О	o	2,198,645
Incomes from the share of the turnover achieved in the electronic communications sector	12.10.08	1,000	1,000	2,198,645	2,198,645	0	0	0	2,198,645
Incomes from interests	31.10	1,669,000	1,669,000	2,021,531	0	2,021,531	2,021,531	0	0
Other incomes from interests	31.10.03	1,669,000	1,669,000	2,021,531	0	2,021,531	2,021,531	0	0
Property incomes	30.10.	363,900,000	363,900,000	473,244,544	96,136,775	377,107,769	375,649,093	690,049	96,905,402
Tariffs for the use of spectrum and numbering resources	30.10.14.	363,900,000	363,900,000	473,244,544	96,136,775	377,107,769	375,649,093	690,049	96,905,402
Incomes from administrative fees, permit issuance	34.10.	5,000	5,000	1,518,194	1,510,769	7,425	6,781	127,364	1,384,049
Monitoring tariffs	34.10.03	5,000	5,000	1,518,194	1,510,769	7,425	6,781	127,364	1,384,049
Fines, penalties and confiscations	35.10.	300,000	300,000	2,950,351	2,003,351	947,000	1,020,108	56,901	1,873,342
Incomes from fines and other sanctions enforced acc. to the legal provisions	35.10.01	300,000	300,000	2,950,351	2,003,351	947,000	1,020,108	56,901	1,873,342

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Indicators	Code	Initial budgetary provisions	Final budgetary provisions	Rights acknowledged				Liquidation through	
				Total, of which:	previous years	current year	Payments received	other means than payments received	Payments to be received
А	В	1	2	3=4+5	4	5	6	7	8=3-6-7
Incomes from fines and other sanctions enforced by other specialized institutions	35.10.01.02	300,000	300,000	2,950,351	2,003,351	947,000	1,020,108	56,901	1,873,342
Various incomes	36.10	11,000	11,000	2,279,440	73,108	2,206,332	1,703,880	26	575,534
Incomes from the occurrence of insured risks	36.10.04	10,000	10,000	150,686	О	150,686	150,686	0	0
Amounts from the budgetary financing of previous years	36.10.32	0	0	0	0	0	0	0	0
Other incomes	36.10.50	1,000	1,000	2,128,754	73,108	2,055,646	1,553,194	26	575,534
Incomes from the sale of goods	39.10	10,000	10,000	3,577	o	3,577	3,572	o	5
Incomes from the sale of goods belonging to public institutions	39.10.01	10,000	10,000	3,577	0	3,577	3,572	0	5
Other incomes from the sale of goods	39.10.50	0	0	0	0	0	0	0	0
Subsidies from the state budget	42.10	6,000	6,000						
Subsidies from the state budget to entirely or partially self-financed public institutions for projects financed from post-accession non-refundable external funds	42.10.39	6,000	6,000						

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Indicators	Code	Initial budgetary provisions	Final budgetary provisions	Rights acknowledged				Liquidation	
				Total, of which:	previous years	current year	Payments received	through other means than payments received	Payments to be received
А	В	1	2	3=4+5	4	5	6	7	8=3-6-7
Amounts received from EU/other donors on account of payments made and pre-financing	45.10	26,000	26,000						
European Regional Development Fund	45.10.01	26,000	26,000						
Amounts received on account of payments made in the previous years	45.10.01.02	26,000	26,000						
Amounts received from EU/other donors on account of payments made and pre-financing for the 2014-2020 financial timeframe	48.1	30,000	30,000						
Connecting Europe Facility (CEF)	48.10.19	30,000	30,000						
Amounts received on account of payments made in the current year	48.10.19.01	13,000	13,000						
Amounts received on account of payments made in the previous years	48.10.19.02	17,000	17,000						

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ANCOM's public procurement procedures follow the provisions of the normative acts regulating this field.

In 2018, the Authority organised 110 open tenders, 15 simplified procedures and 10 negotiations without prior publication. 662 direct purchasing procedures, 4 requests for offers, 146 procedures for the procurement of social services, and 135 exempted procedures. A public procurement process ran on average 4 months through the open tender procedure, 3 months through simplified procedure, respectively 2 weeks through negotiation without prior publication, direct purchasing procedures and procedures for the acquisition of social and exempted services.

One complaint was submitted with the National Council for Solving Complaints in relation to the public procurement procedures carried out by ANCOM, following which 6 procedures were cancelled or under cancellation in 2018.

Table 14.1. List of procurement orders/contracts concluded in 2018 at ANCOM's headquarters - capital expenses

No.	Object of the contract	Amount-RON (VAT not included)	Public procurement procedure used	Winner
1	Addendum no. 1 to Works Contract no. SC-DA-25.035/27.09.2016 (Addendum signed on 17.01.2018)	866,194.69	Chapter 15.1. of the Works Contract no. SC-DA-25.035/ 27.09.2016 (Art. 221 (1) indent b) and Art. 221 (1) indent f) of Law no. 98/2016)	JOINT VENTURE CONPLAST RO S.R.L TEC TELECOM S.R.L.
2	Addendum no. 2 to Works Contract no. SC-DA-25.035/27.09.2016 (Addendum signed on 21.06.2018)	864,671.01	Chapter 15.1. of the Works Contract no. SC-DA-25.035/ 27.09.2016 (GEO no.79/2017 and Law no.227/2015)	JOINT VENTURE CONPLAST RO S.R.L TEC TELECOM S.R.L.
3	Feasibility study for fencing works on Cîrligei site	15,000.00	Direct purchasing	AUTOMATIC SYSTEMS SRL
4	Anti-intrusion sheet for RD Cluj	21,990.00	Direct purchasing	SALSTAR S.R.L.
5	Anti-intrusion sheet for RD Bucharest	28,790.74	Direct purchasing	AUTOVAD S.R.L.
6	Technical assessment report and Documentation for the procurement of works on County Office MH premises	13,500.00	Direct purchasing	H.C.&D. Construct S.R.L.
7	Anti-intrusion sheet for RD Timis	16,896.00	Direct purchasing	LEMINGS S.R.L.
8	Feasibility study for BC County Office parking	3,945.00	Direct purchasing	SVB ARHITECTONIC
9	Premises acquisition for MM County Office	930,000.00	Exempted services	POP MONICA
10	Premises acquisition for GR County Office	685,000.00	Exempted services	CĂPĂTÎNĂ ION
11	Notary services (fee and ANCPI tax) for the acquisition of MM and GR County Office premises	18,985.71	Exempted services	BIN FLORINA DOBRE
12	Sensors for the measurement of the output power of wireless devices	129,899.00	Simplified procedure	ROMTEK ELECTRONICS SRL
13	Supply of UPS - 1st batch	50,400.00	Open tender on ESPP	RIELLO UPS ROMANIA S.R.L.
14	Supply of UPS - 2nd batch	121,770.00	Open tender on ESPP	POWER BACK-UP SERVICES S.R.L.
15	Antennas and lighting arresters for geolocation-enabled spectrum monitoring station (TDOA)	19,455.00	Direct purchasing	COMTEST S.R.L.
16	22 protection cases for Keysight sensors	67,980.00	Direct purchasing	CANEL S.A.

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No.	Object of the contract	Amount-RON (VAT not	Public procurement procedure used	Winner
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17	Antenna for UHF measurements on the mobile Laboratory	36,290.00	Direct purchasing	COMTEST S.R.L
18	Equipment for testing wireless devices (emission and reception)	1,322,291.89	Open tender on ESPP	NATIONAL INSTRUMENTS ROMANIA S.R.L.
19	20 MHz - 100MHz dipole antenna sets	385,000.00	Open tender on ESPP	CELESTA COMEXIM S.R.L
20	16-port modules for Switch Core Cisco	109,700.00	Open tender on ESPP	RASIROM RA
21	Extending an autonomous system for long-run monitoring of radio electric radiation - 2017	3,529,000.00	Open tender on ESPP	COMTEST S.R.L.
22	4 spectrum monitoring systems with geolocation capabilities	5,222,666.00	Open tender on ESPP	STARC4SYS S.R.L.
23	Storage Area Network (SAN)	1,985,000.00	Open tender on ESPP	NTT DATA ROMANIA S.A.
24	41 sets of 6 DPM elements and a digital monitor, compatible with the BIRD directional power sensor	748,045.00	Open tender on ESPP	CELESTA COMEXIM S.R.L.
25	Air Conditioning Unit for RD Timis	8,345.00	Direct purchasing	CLIMATICO LINE SRL
26	IT storing equipment	55,700.00	Direct purchasing	CHROME COMPUTERS SRL
27	Three-phase UPS 5KVA-10KVA	11,000.00	Direct purchasing	RENVERT SRL
28	42 sets of filters and ancillary materials	125,000.00	Open tender on ESPP	ROMTEK ELECTRONICS SRL
29	2 (two) beamers	9,325.00	Direct purchasing	PROIECTOR 24 TRADING S.R.L.
30	32" Video colour monitors	6,111.60	Direct purchasing	CHROME COMPUTERS SRL
31	Personal computers: Laptop+Docking+Monitor; All in one; SIIR-dedicated laptop	224,616.00	Simplified procedure	SYSDOM PROIECTE SRL
32	IT terminals	259,440.00	Simplified procedure	RASIROM R.A.
33	Monitors for viewing maps, measurements and monitoring- specific applications	11,344.50	Direct purchasing	FLANCO RETAIL SA
34	Digital sounds radio and TV spectrum analysers - 4 (four) pieces	1,680,000.00	Open tender on ESPP	ROHDE&SCHWARZ ROMANIA S.R.L.
35	Digital radiocommunications analysers	600,000.00	Open tender	ROMKATEL

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No.	Object of the contract	Amount-RON (VAT not included)	Public procurement procedure used	Winner
36	2 air conditioning units for the IT technical room of RD Cluj, including installation and commissioning	19,998.90	Direct purchasing	Maschinenbau Industry S.R.L.
37	Station-wagon cars	691,950.00	Open tender	RENAULT COMMERCIAL ROUMANIE S.R.L.
38	Multifunction printers	227,784.00	Simplified procedure	OFFICE MAX SRL
39	Protection and security system for the IT equipment room of RD lasi	63,500.00	Open tender	Prodenergo Service SRL
40	Protection and security systems for the IT equipment room of RD Timis	64,800.00	Open tender	Prodenergo Service SRL
41	Test mobile terminals for the Netograf Extension project	21,300.00	Direct purchasing	ALTEX Romania S.R.L
42	Plexiglas speaker stand for conferences	2,404.00	Direct purchasing	J & J GROUP SRL
43	Ping Plotter Professional licence (for 8 users) - 2 pcs. for each BARI	6,128.15	Direct purchasing	MIDA SOFT BUSINESS
44	Manage Engine Net Flow Analyzer licence	34,867.42	Direct purchasing	MIDA SOFT BUSINESS
45	Kutools for Excel - 10 licences	1,090.00	Direct purchasing	SOFTESS 21
46	CISCO ISE (Identity Services Engine) licences	84,000.00	Direct purchasing	CRONUS Ebusiness SRL
47	Implementation of solutions for measuring Internet access service quality, in line with the requirements of Regulation (EU) 2015/2120, on the integrated information system Netograf.ro – Netograf Extension project	2,859,360.00	Open tender	INDUSTRIAL SOFTWARE S.R.L.
48	Software development services for extending the functionalities of the application for managing internal decisions and legal proceedings in Court	39,000.00	Direct purchasing	WEB WIN GROUP NET SRL

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Table 14.2. List of purchase orders/contracts concluded in 2018 - Bucharest Regional Division - Operational expenses

No.	Object of the contract	Amount-RON (VAT not included)	Public procurement procedure used	Winner
1	Addendum no. 2 – maintenance, repair, and spare parts and accessories supply for ANCOM's car fleet – 1st batch	26,000.00	Open tender	MERIDIAN VEST SRL
2	Addendum no. 2 - maintenance, repair, and spare parts and accessories supply for ANCOM's car fleet - 2nd batch	46,000.00	Open tender	STAR M 98 SRL
3	Addendum no. 2 - maintenance, repair, and spare parts and accessories supply for ANCOM's car fleet - 3rd batch	14,666.67	Open tender	S.D. PRESTIGE IMPEX '97 SRL
4	Spare parts and accessories, maintenance and repair services for ANCOM cars - 1st batch	50,000.00	Open tender	AUTO COBALCESCU SRL
5	Spare parts and accessories, maintenance and repair services for ANCOM cars - 2nd batch	100,000.00	Open tender	SERVICE CICLOP SA
6	Framework-agreement for conducting market surveys on electronic communications services end-users, respectively on postal services end-users (business and/or residential)	3,552,000.00	Open tender	Metro Media Transilvania Studii Sociale Sondaje Marketing și Publicitate S.R.L.
7	Request for tender (market surveys)	87,500.00	Open tender	Institutul Român pentru Evaluare și Strategie - IRES
8	Request for tender (market surveys)	89,980.00	Open tender	METRO MEDIA TRANSILVANIA SSSMP S.R.L.
9	Request for tender (market surveys)	84,980.00	Open tender	MERCURY RESEARCH S.R.L.
10	Subsequent contract 3 power supply FEB-APR 1st batch - RD Bucharest	64,172.07	Open tender	Curent Alternativ S.R.L
11	Subsequent contract 3 power supply FEB-APR 2nd batch - RD lasi	48,464.24	Open tender	Curent Alternativ S.R.L
12	Subsequent contract 3 power supply FEB-APR 3rd batch - RD Cluj	29,850.00	Open tender	Curent Alternativ S.R.L
13	Subsequent contract 3 power supply FEB-APR 4th batch - RD Timis	16,990.00	Open tender	Curent Alternativ S.R.L
14	Subsequent contract 3 natural gas supply 1st batch - RD Bucharest	48,213.61	Open tender	Engie România S.A.
15	Subsequent contract 3 natural gas supply 2nd batch - RD Cluj	26,900.00	Open tender	Engie România S.A.
16	Subsequent contract 3 natural gas supply 3rd batch - RD lasi	29,704.00	Open tender	Engie România S.A.

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17	Subsequent contract 3 natural gas supply 4th batch - RD Timis	13,012.00	Open tender	Engie România S.A.
18	Subsequent contract 4 natural gas supply 1st batch - RD Bucharest	55,461.91	Open tender	Engie România S.A.
19	Subsequent contract 4 natural gas supply 2nd batch - RD Cluj	35,350.00	Open tender	Engie România S.A.
20	Subsequent contract 4 natural gas supply 3rd batch - RD lasi	42,020.08	Open tender	Engie România S.A.
21	Subsequent contract 4 natural gas supply 4th batch - RD Timis	21,007.00	Open tender	Engie România S.A.
22	Subsequent contract 4 power supply MAY-DEC 1st batch - RD Bucharest	188,013.98	Open tender	CURENT ALTERNATIV
23	Subsequent contract 4 power supply MAY-DEC 2nd batch - RD lasi	124,568.95	Open tender	CURENT ALTERNATIV
24	Subsequent contract 4 power supply MAY-DEC 3rd batch - RD Cluj	109,160.00	Open tender	CURENT ALTERNATIV
25	Subsequent contract 4 power supply MAY-DEC 4th batch - RD Timis	54,558.00	Open tender	CURENT ALTERNATIV
26	Power supply - 1st batch (RD Bucharest+HQ)	55,013.54	Negotiation without prior publication	CEZ VÂNZARE S.A.
27	Power supply - 2nd batch 2 (RD lasi)	39,165,80	Negotiation without prior publication	CEZ VÂNZARE S.A.
28	Power supply - 3rd batch (RD Cluj)	25,037.78	Negotiation without prior publication	CEZ VÂNZARE S.A.
29	Power supply – 4th batch (RD Timis)	13,325.08	Negotiation without prior publication	CEZ VÂNZARE S.A.
30	Addendum 1 - Power supply - 1st batch (RD Bucharest+HQ)	37,392.90	Negotiation without prior publication	CEZ VÂNZARE S.A.
31	Addendum 1 - Power supply - 2nd batch 2 (RD lasi)	28,560.00	Negotiation without prior publication	CEZ VÂNZARE S.A.
32	Addendum 1 - Power supply - 3rd batch (RD Cluj)	16,800.00	Negotiation without prior publication	CEZ VÂNZARE SA
33	Addendum 1 - Power supply - 4th batch (RD Timis)	8,960.00	Negotiation without prior publication	CEZ VANZARE S.A.

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No.	Object of the contract	Amount-RON (VAT not included)	Public procurement procedure used	Winner
34	Subsequent contract 5 natural gas supply 1st batch - RD Bucharest, January 2019	30,880.00	Open tender	Engie România S.A.
35	Subsequent contract 5 natural gas supply 2nd batch - RD Cluj, January 2019	16,920.00	Open tender	Engie România S.A.
36	Subsequent contract 5 natural gas supply 3rd batch - RD lasi, January 2019	32,700.00	Open tender	Engie România S.A.
37	Subsequent contract 5 natural gas supply 4th batch - RD Timis, January 2019	11,328.00	Open tender	Engie România S.A.
38	Subsequent contact no. 16 for car fuel supply, February-April 2018	250,000.00	According to Framework-agreement	Lukoil România S.R.L.
39	Subsequent contract no. 17 for fuel supply - starting 01 May 2018	130,000.00	According to Framework-agreement	Lukoil România S.R.L.
40	Framework-Agreement for fuel supply 48 months	9,315,436.00	Open tender	OMV Petrom Marketing S.R.L
41	Subsequent contract no.1 01 July - 31 December 2018	360,720.00	According to Framework-agreement	OMV Petrom Marketing S.R.L.
42	Subsequent contract no.2 for fuel supply (diesel and gasoline) - January 2019	116,337.00	According to Framework-agreement	OMV Petrom Marketing S.R.L.
43	Subsequent contract no. 3 on videoconference and cloud; idem 44,45 collaboration services	21,926.00	According to Framework-agreement	Orange Romania S.A.
44	Subsequent contract no. 4 on videoconference and could collaboration services	65,778.00	According to Framework-agreement	Orange Romania S.A.
45	Subsequent contract no. 5 on videoconference and could collaboration services	153,482.00	According to Framework-agreement	Orange Romania S.A.
46	Subsequent contract no. 3 VPN services via 4G/3G/GPRS SIM	51,00 euro	According to Framework-agreement	Telekom Romania Communications S.A.
47	Subsequent contract no. 4 VPN services via 4G/3G/GPRS SIM	153 euro	According to Framework-agreement	Telekom Romania Communications S.A.
48	Subsequent contract no. 5 VPN services via 4G/3G/GPRS SIM	357 euro	According to Framework-agreement	Telekom Romania Communications S.A.
49	Subsequent contract no. 6 VPN services via 4G/3G/GPRS SIM	51 euro	According to Framework-agreement	Telekom Romania Communications S.A.

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No.	Object of the contract	Amount-RON (VAT not included)	Public procurement procedure used	Winner
50	Subsequent contract no. 12 electronic communications services on fixed and mobile networks (Internet, data, fixed and mobile telephony)	24,500 euro	According to Framework-agreement	Orange Romania S.A.
51	Subsequent contract no. 13 electronic communications services on fixed and mobile networks (Internet, data, fixed and mobile telephony)	73,500 euro	According to Framework-agreement	Orange Romania S.A.
52	Subsequent contract no. 14 electronic communications services on fixed and mobile networks (Internet, data, fixed and mobile telephony)	171,500.00 euro	According to Framework-agreement	Orange Romania S.A.
53	Subsequent contract no. 15 electronic communications services on fixed and mobile networks (Internet, data, fixed and mobile telephony)	30,000.00 euro	According to Framework-agreement	Orange Romania S.A.
54	Subsequent contract no. 3 Internet access services	637.00	According to Framework-agreement	Digital Cable Systems S.A.
55	Subsequent contract no. 4 Internet access services	1,911.00	According to Framework-agreement	Digital Cable Systems S.A.
56	Subsequent contract no. 5 Internet access services	4,459.00	According to Framework-agreement	Digital Cable Systems S.A.
57	Subsequent contract no. 6 Internet access services	637.00	According to Framework-agreement	Digital Cable Systems S.A.
58	Subsequent contract no. 2 - technical assistance for Oracle information systems - February-December 2018	182,326.76	According to Framework-agreement	Romflex System S.R.L
59	Subsequent contract no. 3 – technical assistance for Oracle information systems – November-December 2018	4,796.31	According to Framework-agreement	Romflex System S.R.L
60	Subsequent contract no. 4 – technical assistance for Oracle information systems – January 2019	18,156.36	According to Framework-agreement	Romflex System S.R.L
61	Addendum 2 – integrated support, technical assistance and maintenance services for "Online application for comparing communications offers designed for endusers"	33,000.00	Simplified procedure	Altimate S.R.L.
62	Subsequent contract no. 3 - integrated support, technical assistance and maintenance services for hardware components of the Integrated Information System for Radio Spectrum Management SIIGSR	122,100.00	According to Framework-agreement	Centrul pentru Servicii de Radiocomunicatii S.R.L.

No.	Object of the contract	Amount-RON (VAT not included)	Public procurement procedure used	Winner
63	Subsequent contract no. 12 maintenance and support services for the main software components of the Integrated Information System for Radio Spectrum Management SIIGSR	75,000.00 euro	According to Framework-agreement	Advanced Topographic Development & Images (ATDI) S.A.
64	Integrated support, technical assistance and maintenance services for "Online application for comparing communications offers designed for end-users".	82,400.00	Simplified procedure	COMPUTRON SYSTEM S.R.L.
65	Addendum 1 integrated support, technical assistance and maintenance services for "Online application for comparing communications offers designed for endusers" - January 2019	10,300.00	Simplified procedure	COMPUTRON SYSTEM S.R.L.
66	Framework-agreement on supplying calibration and repair services for ANCOM's out-of-warranty measurement and control equipment ANCOM - 1st batch	957,954.06	Open tender	TELECOM INSTRUMENTS S.R.L.
67	Framework-agreement on supplying calibration and repair services for ANCOM's out-of-warranty measurement and control equipment ANCOM - 2nd batch	621,894.60	Open tender	COMTEST S.R.L.
68	Framework-agreement on supplying calibration and repair services for ANCOM's out-of-warranty measurement and control equipment ANCOM - 3rd batch	490,304.00	Open tender	TELECOM INSTRUMENTS S.R.L.
69	Framework-agreement on supplying calibration and repair services for ANCOM's out-of-warranty measurement and control equipment ANCOM – 5th batch	596,783.44	Open tender	CELESTA COMEXIM S.R.L.
70	Framework-agreement on supplying calibration and repair services for ANCOM's out-of-warranty measurement and control equipment ANCOM - 6th batch	3,719,044.20	Open tender	COMTEST S.R.L.
71	Framework-agreement on supplying calibration and repair services for ANCOM's out-of-warranty measurement and control equipment ANCOM - 7th batch	3,687,526.00	Open tender	ROHDE&SCHWARZ ROMANIA S.R.L.
72	Subsequent contract 1 calibration – 7th batch	59,418.20	According to Framework-agreement	ROHDE&SCHWARZ ROMANIA S.R.L.
73	Subsequent contract 3 maintenance and repair services for computing systems - February	44,400.00	According to Framework-agreement	Power Net Consulting S.R.L.
74	Subsequent contract 4 maintenance and repair services for computing systems – March-May	133,200.00	According to Framework-agreement	Power Net Consulting S.R.L.
75	Subsequent contract 7 services of maintenance, service and technical support for IT&C rooms security system – HQ	1,745.00	Request for offer	Prodenergo Service S.R.L.

No.	Object of the contract	Amount-RON (VAT not included)	Public procurement procedure used	Winner
76	Subsequent contract 8 services of maintenance, service and technical support for IT&C rooms security system – HQ	5,235.00	Request for offer	Prodenergo Service S.R.L.
77	Subsequent contract 9 services of maintenance, service and technical support for IT&C rooms security system – HQ	12,215.00	Request for offer	Prodenergo Service S.R.L.
78	Subsequent contract 4 services of support, technical assistance and software maintenance for the System of ensuring application and data file integrity and authenticity	16,522.22	Open tender	Logic Computer S.R.L.
79	Subsequent contract 5 services of support, technical assistance and software maintenance for the System of ensuring application and data file integrity and authenticity	49,566.66	Open tender	Logic Computer S.R.L.
80	Subsequent contract 6 services of support, technical assistance and software maintenance for the System of ensuring application and data file integrity and authenticity	115,655.54	Open tender	Logic Computer S.R.L.
81	Subsequent contract no. 6 printing equipment service - February 2018	36,164.00	According to Framework-agreement	Eta 2U S.R.L.
82	Subsequent contract no. 7 printing equipment service - March-May 2018	108,492.00	According to Framework-agreement	Eta 2U SRL
83	Subsequent contract no. 8 printing equipment service - June-December 2018	253,148.00	According to Framework-agreement	Eta 2U SRL
84	Subsequent contract no. 9 printing equipment service - January 2019	36,164.00	According to Framework-agreement	Eta 2U SRL
85	Subsequent contract 2 maintenance for virtualization system	97,430.10	According to Framework-agreement	European Funds Invest SRL
86	Subsequent contract 3 maintenance for virtualization system	174,249.99	According to Framework-agreement	European Funds Invest SRL
87	Subsequent contract 4 maintenance for virtualization system	406,583.31	According to Framework-agreement	European Funds Invest SRL

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88	Subsequent contract no. 4 - integrated support, technical assistance and maintenance services for hardware components of the Integrated Information System for Radio Spectrum Management SIIGSR	11,100.00	According to Framework-agreement	Centrul pentru Servicii de Radiocomunicatii SRL
89	Subsequent contract no. 4 maintenance, warranty and support services for ANCOM's data network equipment	8,158.37	According to Framework-agreement	Orange Romania SA
90	Subsequent contract no. 5 maintenance, warranty and support services for ANCOM's data network equipment	16,316.74	According to Framework-agreement	Orange Romania SA
91	Subsequent contract no. 6 maintenance, warranty and support services for ANCOM's data network equipment	74,949.04	According to Framework-agreement	Orange Romania SA
92	Subsequent contract no. 7 maintenance, warranty and support services for ANCOM's data network equipment	41,053.85	According to Framework-agreement	Orange Romania SA
93	Subsequent contract no. 8 maintenance, warranty and support services for ANCOM's data network equipment	17,579.40	According to Framework-agreement	Orange Romania SA
94	Subsequent contract no. 3 hardware and software maintenance and support services for the PKI incompatibility and recognition system	16,649.00	According to Framework-agreement	Certsign SA
95	Subsequent contract no. 4 hardware and software maintenance and support services for the PKI incompatibility and recognition system	49,947.00	According to Framework-agreement	Certsign SA
96	Subsequent contract no. 5 hardware and software maintenance and support services for the PKI incompatibility and recognition system	116,543.00	According to Framework-agreement	Certsign SA
97	Subsequent contract no. 6 hardware and software maintenance and support services for the PKI incompatibility and recognition system	16,649.00	According to Framework-agreement	Certsign SA
98	Subsequent contract 5 maintenance and repair services for computing systems – June-December 2018	310,800.00	According to Framework-agreement	Power Net Consulting S.R.L
99	Subsequent contract 6 maintenance and repair services for computing systems – January 2019	44,400.00	According to Framework-agreement	Power Net Consulting si Class IT Outsourcing SRL
100	Framework-agreement on maintenance and repair services for security (anti- intrusion, fire alarm and video surveillance) systems	172,200.00	Simplified procedure	COMTEH SRL

No.	Object of the contract	Amount-RON (VAT not included)	Public procurement procedure used	Winner
101	Subsequent contract no.1 on maintenance and repair services for security (anti- intrusion, fire alarm and video surveillance) systems	107,625.00	According to Framework-agreement	COMTEH SRL
102	Subsequent contract no.2 on maintenance and repair services for security (anti-intrusion, fire alarm and video surveillance) systems	14,350.00	According to Framework-agreement	COMTEH SRL
103	Framework-agreement on support, technical assistance and software maintenance for effective operation of Helpdesk & Ticketing solution	124,800.00	Simplified procedure	SolvIT Networks SRL
104	Subsequent contract no 1 on support, technical assistance and software maintenance for effective operation of Helpdesk & Ticketing solution	10,400.00	Simplified procedure	SolvIT Networks SRL
105	Subsequent contract no. 10 on support, technical assistance and maintenance of the IT&C rooms security system - HQ, January 2019	1,745.00	Request for offer	Prodenergo Service S.R.L.
106	Subsequent contract 7 - support, technical assistance and software maintenance services for the System of ensuring application and data file integrity and authenticity	16,522.22	Open tender	LOGIC COMPUTER SRL
107	Framework-agreement on support, technical assistance and software maintenance for effective operation of the "Software solution for ensuring workstation security (desktops and laptops)"	159,354.72	Simplified procedure	TELEKOM ROMANIA COMMUNICATIONS SA
108	Subsequent contract no. 1 on support, technical assistance and software maintenance for effective operation of the "Software solution for ensuring workstation security (desktops and laptops)"	4,426.52	According to Framework-agreement	TELEKOM ROMANIA COMMUNICATIONS SA
109	Subsequent contract no. 1 on support, technical assistance and software maintenance for effective operation of the "Software solution for ensuring workstation security (desktops and laptops)"	4,426.52	According to Framework-agreement	TELEKOM ROMANIA COMMUNICATIONS SA
110	Subsequent contract no 1 on support, technical assistance and software maintenance for effective operation of Helpdesk & Ticketing solution	5,200.00	Simplified procedure	SolvIT Networks SRL
111	Addendum no. 1 - maintenance and repair services and supply of parts and accessories for the cars in ANCOM's fleet - 1st batch	6,250.00	Open tender	AUTO COBALCESCU SRL
112	Addendum no. 1 - maintenance and repair services and supply of parts and accessories for the cars in ANCOM's fleet - 2nd batch	12,500.00	Open tender	SERVICE CICLOP SA

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113	Framework-agreement - domestic and international air transport services	5,050,000.00	Open tender	DANCO PRO COMMUNICATION SRL; WECO TMC SRL; OLIMPIC INTERNATIONAL TURISM SRL; TRAVEL TIME D&R SRL; EXIMTUR SRL; SUNMEDAIR TRAVEL & TOURISM SERVICES SRL; SF TRAVEL SRL; EXPERT MULTISERVICES IMPEX SRL
114	Mandatory civil liability insurance services for ANCOM cars	96,792.65	Simplified procedure	Asigurarea Romaneasca-Asirom Vienna Insurance Group S.A
115	Insurance services (CPV codes: 66515000-3 and 66514110-0)	439.928,36	Open tender	ASIGURAREA ROMÂNEASCĂ - ASIROM VIENNA INSURANCE GROUP S.A.
116	Addendum no. 1 to Services contract no. SC-13901/02.05.2018, between ANCOM and ASIGURAREA ROMÂNEASCĂ – ASIROM VIENNA INSURANCE GROUP S.A.	3,493.25	Negotiation without prior publication	ASIGURAREA ROMÂNEASCĂ - ASIROM VIENNA INSURANCE S.A.
117	Addendum no. 2 to Services contract no. SC-13901/02.05.2018, between ANCOM and ASIGURAREA ROMÂNEASCĂ - ASIROM VIENNA INSURANCE GROUP S.A.	228,286.20	Negotiation without prior publication	ASIGURAREA ROMÂNEASCĂ - ASIROM VIENNA INSURANCE S.A.
118	Subsequent contract no. 3 for Microsoft license agreement - February 2018	23,508.23 euro	According to framework-agreement	Telekom Romania Communications SA
119	Addendum no. 1 to Subsequent contract no. 3 for Microsoft license agreement	77.85 euro		Telekom Romania Communications SA
120	Subsequent contract no. 4 for Microsoft license agreement: March - May 2018	70,758.24 euro	According to framework-agreement	Telekom Romania Communications SA
121	Addendum no. 1 to Subsequent contract no. 4 for Microsoft license agreement	544.95 euro		Telekom Romania Communications SA
122	Addendum no. 2 to Subsequent contract no. 4 for Microsoft license agreement	570.90 euro		Telekom Romania Communications SA
123	Addendum no. 3 to Subsequent contract no. 4 for Microsoft license agreement	77.85 euro		Telekom Romania Communications SA
124	Subsequent contract no. 5 for Microsoft license agreement: June – December 2018	168,917.21 euro	According to Framework- Agreement	Telekom Romania Communications SA
125	Addendum no. 1 to Subsequent contract no. 5 for Microsoft license agreement	584.22 euro		Telekom Romania Communications SA
126	Addendum no. 2 to Subsequent contract no. 5 for Microsoft license agreement	426.18 euro		Telekom Romania Communications SA

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127	Addendum no. 3 to Subsequent contract no. 5 for Microsoft license agreement	299.88 euro		Telekom Romania Communications SA
128	Addendum no. 4 to Subsequent contract no. 5 for Microsoft license agreement	16.80 euro		Telekom Romania Communications SA
129	Addendum no. 5 to Subsequent contract no. 5 for Microsoft license agreement	15.78 euro		Telekom Romania Communications SA
130	Subsequent contract no. 6 for Microsoft license agreement - January 2019	24,384.67 euro	According to Framework- Agreement	Telekom Romania Communications SA
131	Maintenance and repair services, spare parts and accessories TOYOTA	29,800.00	Direct purchasing	Toyo Motor Center
132	Supply of services for newspaper and magazine provision	23,502.95	Direct purchasing	S.C. Top Seven West S.R.L.
133	Speciality books in the field of public procurement	277.01	Direct purchasing	Librariile Hamangiu SRL
134	Addendum no.1 on supply services for the "Public Procurement" publication	353.00	Direct purchasing	S.C. Top Seven West S.R.L.
135	Acquisition of updated standards	409.04	Direct purchasing	Asociatia de Standardizare din Romania (ASRO)
136	Valuation services for 3 buildings	900.00	Direct purchasing	II Teodorescu Angelo
137	Protection equipment	656.64	Direct purchasing	SC Feelbox RO SRL
138	Order – printer paper	29,900.00	Direct purchasing	Simac Impex
139	Order - stationery	3,980.00	Direct purchasing	Power Office
140	Standard forms with special treatment	80.00	Direct purchasing	Statur Comimpex
141	Special stamps	4,562.00	Direct purchasing	SC F Services
142	Stationery	1,164.00	Direct purchasing	Andres Birotica
143	Stationery	464.10	Direct purchasing	Acomi Dinamic
144	Stationery – punched plastic folder with fasteners and C5, respectively C6 envelopes	2,850.00	Direct purchasing	Jacob Today SRL
145	HP Plotter paper roll	456.00	Direct purchasing	Valtec Trading SRL
146	Liquid soap	2,920.00	Direct purchasing	Simac Impex

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147	Order - cleaning supplies	2,067.20	Direct purchasing	Grundwal
148	Order - cleaning supplies	1,500.00	Direct purchasing	Cleaning Concept
149	Order - toilet paper	16,770.00	Direct purchasing	Romsales Distribution SRL
150	Cleaning supplies	2,165.00	Direct purchasing	Domi Paper
151	Cleaning supplies	11,875.00	Direct purchasing	Power Office
152	Cleaning supplies	2,034.20	Direct purchasing	Consulting Business
153	Order - Universal detergent for ceramic floor and wall tiles	1,592.00	Direct purchasing	Dumidet Activ SRL
154	Folded bath tissues	31,140.00	Direct purchasing	Power Office
155	Cleaning supplies	732.80	Direct purchasing	INK Birotica
156	Toilet detergent	2,996.00	Direct purchasing	Dumidet
157	Garbage bags	3,200.00	Direct purchasing	Marketing Concept
158	Mop supplies for floor mop systems	115.50	Direct purchasing	Dacris Com 94
159	Cleaning supplies	580.50	Direct purchasing	Clening Concept
160	Services contract - cleaning services for ANCOM's Laboratory (LICETER) at Prejmer- Brasov	878.13	Direct purchasing	S.C. HIDRO -SAL COM SRL
161	Garbage clearance - January 2018	916.66	Direct purchasing	ROSAL GRUP SA
162	Addendum no. 1 garbage clearance - February 2018	916.66		ROSAL GRUP SA
163	Addendum no. 2 garbage clearance - May 2018	2,749.98		ROSAL GRUP SA
164	Addendum no. 3 garbage clearance - June-December 2018	6,416.70		ROSAL GRUP SA
165	Garbage clearance - January 2019	1,000.00	Direct purchasing	ROSAL GRUP SA
166	Addendum no. 1 - cable TV signal provision services	864.00	Direct purchasing	RCS&RDS
167	Addendum no. 2 - cable TV signal provision services	864.00	Direct purchasing	RCS&RDS
168	Addendum no. 3 - cable TV signal provision services	864.00	Direct purchasing	RCS&RDS

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169	Order - fixed telephony services (voice) for ANCOM HQ	110 euro	Direct purchasing	Orange Romania SA
170	Order - fixed telephony services (voice) for ANCOM HQ	110 euro	Direct purchasing	Orange Romania SA
171	Contract - Interlan node connectivity	750.00 euro	Direct purchasing	Interlan Internet Exchange
172	Interlan node connectivity – addendum 1	8,250.00 euro	Direct purchasing	Interlan Internet Exchange
173	Contract - RoNIX node connectivity	1,409.00 euro	Direct purchasing	ANISP
174	RoNIX node connectivity - addendum 1	15,499.00 euro	Direct purchasing	ANISP
175	Maintenance services (technical check-up) for the electric generator sets at ANCOM's monitoring sites	55,000.00	Direct purchasing	Endress Group Romania
176	Telephone services (voice and data) over prepay cards - Order	3,356.40	Direct purchasing	Telekom Romania Mobile Communications SA
177	Telephone services (voice and data) over prepay cards - Order	5,460.00	Direct purchasing	RCS & RDS
178	Telephone services (voice and data) over prepay cards - Order	3,352.80	Direct purchasing	Vodafone Romania SA
179	Telephone services (voice and data) over prepay cards - Order	1,008.00	Direct purchasing	Orange Romania SA
180	Update renewal	63,740.00	Direct purchasing	Concept Electronic
181	Tel-verde services	1,260.00	Direct purchasing	Telekom Romania Mobile Communications SA
182	Addendum no. 1 to supply contract on "subject alternative name" for SSL server certificate	998.00	Direct purchasing	Alfatrust
183	Server certificate supply contract	670.00	Direct purchasing	Certsign
184	Electronic signature contract	882.00	Direct purchasing	Transsped
185	Electronic signature contract	630.00	Direct purchasing	Transsped
186	Order - car wash and cleaning services	10,925.00	Direct purchasing	Kraus Dinamic SRL
187	Fire extinguisher verification and charging services P1	147.00	Direct purchasing	Instal Sting Serv SRL
188	Tyre storage and change services - Addendum 2 to 2017 Contract	445.00	Direct purchasing	BEST TIRES SHOP SRL

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189	Tyre storage and change services - Addendum 3 to 2017 Contract	3,018.72	Direct purchasing	BEST TIRES SHOP SRL
190	Tyre storage and change services -2018 Contract	5,608.72	Direct purchasing	BEST TIRES SHOP SRL
191	Service supply contract - Sintact 2018	34,800.00	Direct purchasing	WOLTERS KLUWER SRL
192	3-Phase UPS for LICETER - Order	1,631.88	Direct purchasing	TEMA ENERGY SRL
193	Romanian Official Journal subscription - Contract 2018	18,554.62	Direct purchasing	R.A. Monitorul Oficial
194	Software maintenance contract 2018	3,900.00	Direct purchasing	QM SOFTWARE SRL
195	Software maintenance services - Addendum 1 to 2018 Contract	3,900.00	Direct purchasing	QM SOFTWARE SRL
196	Software maintenance services - Addendum 2 to 2018 Contract	3,900.00	Direct purchasing	QM SOFTWARE SRL
197	Software maintenance services - Addendum 3 to 2018 Contract	3,900.00	Direct purchasing	QM SOFTWARE SRL
198	Software maintenance services - Addendum 4 to 2018 Contract	3,900.00	Direct purchasing	QM SOFTWARE SRL
199	Software maintenance services - Addendum 5 to 2018 Contract	3,900.00	Direct purchasing	QM SOFTWARE SRL
200	Software maintenance services - Addendum 6 to 2018 Contract	23,400.00	Direct purchasing	QM SOFTWARE SRL
201	Access to the Fiscal Code Portal and to Accounting Portal website - Order	3,900.00	Direct purchasing	RENTROP & STRATON
202	Access to ReadSpeaker instrument	985.00 Euro	Direct purchasing	ReadSpeaker B.V.
203	Order - Access to Go animate website	3,944 USD	Direct purchasing	Go Animate Inc.
204	Addendum to airport car park permit contract	250.00	Direct purchasing	C.N Aeroporturi Buc.
205	Cleaning services for LICETER - Contract 2018	15,840.00	Direct purchasing	Terra Clean Service SRL
206	Fire extinguisher verification and charging services P1	147.00	Direct purchasing	Instal Sting Serv SRL
207	Check-up and maintenance services for the air conditioning units of LICETER	906.60	Direct purchasing	Costianu Aercond L&A SRL
208	Pest control services - LICETER	240.00	Direct purchasing	Coral Impex
209	Cord extension sets	1,650.00	Direct purchasing	Quartz Matrix
210	Electronic signature	95.00	Direct purchasing	Certsing
211	Fuel consumption assessment	4,816.64	Direct purchasing	RAR

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212	Vulcanisation services	1,000.00	Direct purchasing	Best Tires
213	Electronic signature	900.00	Direct purchasing	Transsped
214	Access to MLEX database - January-March 2018	2,400 euro	Direct purchasing	Mlex Limited
215	Addendum no. 1 access to MLEX database - April-June 2018	2,400 euro		Mlex Limited
216	Addendum no. 2 access to MLEX database for July-December 2018	4,800 euro		Mlex Limited
217	Maintenance for car fleet management software - 2018 contract	14,169.50	Direct purchasing	ONE SOFTWARE SRL
218	Romania/EU flag	220.00	Direct purchasing	Decorativa SA
219	Digital certificates	3,816.00	Direct purchasing	Transsped
220	Digital certificates	126.00	Direct purchasing	Transsped
221	Digital certificates	486.00	Direct purchasing	Transsped
222	Anti-frost windshield washer fluid	1,034.00	Direct purchasing	Pluritrade
223	Digital certificates	190.00	Direct purchasing	Certsign
224	Windshield washer fluid	2,660.00	Direct purchasing	Epsa Com Service
225	Air conditioning issue diagnosis - Order	410.00	Direct purchasing	Complet Service SRL
226	Online slide presentation services -Prezi.com	1,590 USD	Direct purchasing	PREZI INC.
227	Land maintenance services - Fundeni	5,875.00	Direct purchasing	Furnica Trading SRL
228	Technical check-up - LICETER alarm system	700.00	Direct purchasing	ELCATE SRL
229	Access to updates and patches for DamWare Remote Support licences	1,290 euro	Direct purchasing	Solarwinds Software Europe Limited
230	Extension of VAT 19% for access to updates and patches for DamWare Remote Support licences	1,290 euro	Direct purchasing	Solarwinds Software Europe Limited
231	Maintenance services for electric generator sets	1,886.00	Direct purchasing	UMEB SA
232	Access to updates and patches for PDF Xchange PRO1000 Users Pack licences	20,831.00	Direct purchasing	Pragma Computers SRL
233	Fire extinguishing system verification services	2,800.00	Direct purchasing	ICCO - Systems SRL

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234	ISO 27001:2013 SMSI technical documentation	1,453.00	Direct purchasing	Web Cert Consult SRL
235	Electrical grid verification services (PRAM)	12,000.00	Direct purchasing	Metroinstal SRL
236	Access to data protection portal	1,250.00	Direct purchasing	Rentrop & Straton
237	Electronic signature	1,080.00	Direct purchasing	Trans Sped
238	Server certificate services	2,700	Direct purchasing	DIGISIGN
239	Digital certificates	882.00	Direct purchasing	Trans Sped
240	Order - fresh cut fir-trees	1,376.00	Direct purchasing	Silva Group Logistics Division SRL
241	Digital certificates	540.00	Direct purchasing	Trans Sped
242	Fire extinguisher verification and charging services	795.00	Direct purchasing	Gimar StElcateingserv srl
243	Airport car park permit - Henri Coanda Bucharest	1,060.00	Direct purchasing	CN Aeroporturi București SA
244	Access to Insolvency Proceedings Bulletin - 2 orders	1,899.90	Direct purchasing	O.N.R.C.
245	Tyre storage and change services - Addendum 1 to 2018 Contract	435.00	Direct purchasing	BEST TIRES SHOP SRL
246	HDMI cable/TV holder	453.75	Direct purchasing	Flanco Retail
247	Order – technical inspection services	2,065.59	Direct purchasing	Service Ciclop SA
248	Refrigerator repair services	300.00	Direct purchasing	SKILL SERVASIG SRL
249	12V/7A accumulator - LICETER PREJMER	180.00	Direct purchasing	Elcate SRL
250	Portable multifunction printers	2,370.00	Direct purchasing	Infologic SRL
251	Laser point, projection screen	1,120.00	Direct purchasing	Link Builder
252	External batteries	8,828.00	Direct purchasing	Infotouch systems
253	Furniture items supply - order	89,689.59	Direct purchasing	M&D Retail Pipera SRL
254	Supply of Led projector	1,576.40	Direct purchasing	Marbo Trade
255	Land mower	2,000.00	Direct purchasing	Best Auto Gala SRL
256	TV for conference speaker's stand	1,517.70	Direct purchasing	J&J GROUP SRL

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257	Wireless routers	2,022.00	Direct purchasing	ASK 4 IT SRL
258	Furniture items supply - order	15,952.86	Direct purchasing	ELVILA SA
259	IT storage equipment	35,559.00	Direct purchasing	2NET COMPUTER SRL
260	Travel health insurance - Kiev	73.00	Direct purchasing	Olimpic International Turism SRL
261	Travel health insurance - Baku	51.96	Direct purchasing	Eximtur SRL
262	Travel health insurance - Kiev	36.00	Direct purchasing	Olimpic International Turism SRL
263	Travel health insurance - Antananarivo	102.00	Direct purchasing	Eximtur SRL
264	Travel health insurance - Belgrade+Reykjavik	68.01	Direct purchasing	Eximtur SRL
265	Travel health insurance - Muscat (Oman)	31.00	Direct purchasing	Olimpic International Turism SRL
266	Travel health insurance - Kiev	35.00	Direct purchasing	Olimpic International Turism SRL
267	Travel health insurance: Riyadh, Johannesburg, Addis-Abeba, Durban	273.00	Direct purchasing	Olimpic International Turism SRL
268	Travel health insurance - Kiev	41.00	Direct purchasing	Olimpic International Turism SRL
269	Travel health insurance - Dubai	775.00	Direct purchasing	Olimpic International Turism SRL
270	Travel health insurance - Dubai	156.00	Direct purchasing	Olimpic International Turism SRL
271	Travel health insurance - Dubai	130.02	Direct purchasing	Eximtur SRL
272	Travel health insurance - Belgrade	51.00	Direct purchasing	Olimpic International Turism SRL
273	Order - "Comunicații Mobile" Magazine	7,143.00	Direct purchasing	Mobile Media Company S.R.L
274	Standards	1,929.65	Direct purchasing	Asociația de Standardizare din Romania
275	Real estate consultancy	44,500.00	Direct purchasing	Androniu G. Iulian Cosmin-Expert Evaluator
276	Valuation services	1,800.00	Direct purchasing	Întreprindere Individuală A. Teodorescu
277	Order - print banner roll-up: 4 pcs.	720.00	Direct purchasing	C&D Info Consult S.R.L
278	Order: cardboard tag	2,704.00	Direct purchasing	Romprix Exim

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279	Order: lanyard	5,460.00	Direct purchasing	AD HOC Advertising
280	Personalized ball point pen	3,030.00	Direct purchasing	Advice Media SRL
281	Order - print banner roll-up: 4 pcs.	720.00	Direct purchasing	C&D Info Consult S.R.L
282	Printing services	130,477.00	Direct purchasing	DHM Printing S.R.L
283	Still water supply	19,483.20	Direct purchasing	Cumpana 1993 SRL
284	Business entertainment items	6,440.57	Direct purchasing	METRO CASH&CARRY ROMANIA SRL
285	Business entertainment items	6,458.29	Direct purchasing	METRO CASH&CARRY ROMANIA SRL
286	Order: gifts for foreign guests - portable loudspeakers	6,302.00	Direct purchasing	Flanco Retail
287	Business entertainment items	6,453.68	Direct purchasing	METRO CASH&CARRY ROMANIA SRL
288	Business entertainment items	421.63	Direct purchasing	Carrefour Romania SRL
289	Business entertainment items	6,507.47	Direct purchasing	METRO CASH&CARRY ROMANIA SRL
290	Business entertainment items	6,543.91	Direct purchasing	METRO CASH&CARRY ROMANIA SRL
291	Business entertainment items	6,604.76	Direct purchasing	METRO CASH&CARRY ROMANIA SRL
292	Business entertainment items	6,570.08	Direct purchasing	METRO CASH&CARRY ROMANIA SRL
293	In-ear SONY MDRXB50APB headphones	5,041.80	Direct purchasing	Flanco Retail SA
294	Gifts for foreign partners: travel sets and pins	56,856.00	Direct purchasing	DHM Printing&Advertising
295	Gifts for foreign partners: eyeglass holder and card holder	21,369.25	Direct purchasing	Solutions Line SRL
296	Gifts for foreign partners	2,750.00	Direct purchasing	Byblos Trading
297	Business entertainment items	1,012.29	Direct purchasing	METRO CASH&CARRY ROMANIA SRL
298	Interpreting services	404.00	Direct purchasing	EVENT TECHNOLOGY AV SRL
299	Banner roll-up	388.00	Direct purchasing	Promo Business
300	Business entertainment items	3,151.42	Direct purchasing	METRO CASH&CARRY ROMANIA SRL

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301	Gifts for foreign guests - synthetic leather bags for the conference Tehnologia 5G- Motorul celei de a patra revoluții industriale	3,230.00	Direct purchasing	SC BYBLOS TRADING OVERSEAS SRL
302	Courier services for transporting promotional items, Dubai Conference	35,250.00	Social services	DHL Iternational Romania
303	Addendum - courier services for transporting promotional items, Dubai Conference	7,050.00	Direct purchasing	DHL Iternational Romania
304	3 business lunch services, 6 coffee break services for 25 persons	9,000.00	Direct purchasing	SC BUCATEPEROATE SRL
305	Civil liability insurance for LICETER - Order	1,100.00	Direct purchasing	ABC Asigurări Reasigurări
306	Professional civil liability insurance for LICETER - Order	1,200.00	Direct purchasing	ABC Asigurări-Reasigurări SA
307	Emsissoft Emergency Kit Pro Licences	1,372.00	Direct purchasing	Softess 21 SRL
308	Voucher issuance and printing services - Contract	0.01	Direct purchasing	SODEXO PASS ROMANIA SRL
309	Occupational medicine services - Addendum 1 to 2018 Contract	6.480,00	Social services	MEDICOVER SRL
310	Postal services	11,204.50	Social services	CN Posta Romana
311	Addendum no.1 postal services	11,204.50		CN Posta Romana
312	Addendum no.2 postal services	33,613.50		CN Posta Romana
313	Addendum no.3 postal services	78,431.50		CN Posta Romana
314	Online media monitoring services	1,400.00	Social services	TREEWORKS SRL
315	Online media monitoring services	1,550.00	Social services	TREEWORKS SRL
316	Online media monitoring services	4,650.00	Social services	TREEWORKS SRL
317	Online media monitoring services	10,850.00	Social services	TREEWORKS SRL
318	Garage guard services	6,993.60	Social services	BTM Divizia de Securitate
319	Garage guard services	7,660.80	Social services	BTM Divizia de Securitate
320	Garage guard services	25,171.20	Social services	BTM Divizia de Securitate
321	Garage guard services	58,550.40	Social services	BTM Divizia de Securitate

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322	Prejmer Laboratory guard services	3,776.76	Social services	Vanguard Security
323	Prejmer Laboratory guard services	22,256.64	Social services	Vanguard Security
324	Prejmer Laboratory guard services	51,770.88	Social services	Vanguard Security
325	Printed press monitoring services	1,100.00	Social services	Mediatrust
326	Printed press monitoring services	1,100.00	Social services	Mediatrust
327	Printed press monitoring services	3,600.00	Social services	Mediatrust
328	Printed press monitoring services	7,700.00	Social services	Mediatrust
329	Access to ZF Corporate platform - Contract/2018	900.00	Social services	MEDIAFAX GROUP SA
330	Access to ZF Corporate platform - Addendum 1 to Contract/2018	900.00	Social services	MEDIAFAX GROUP SA
331	Access to ZF Corporate platform - Addendum 2 to Contract/2018	2,700.00	Social services	MEDIAFAX GROUP SA
332	Access to ZF Corporate platform - Addendum 3 to Contract/2018	6,300.00	Social services	MEDIAFAX GROUP SA
333	Guard services: Fundeni site - Contract/2018	13,843.20	Social services	BTM Divizia de Securitate
334	Guard services: Fundeni site - Addendum 1 to Contract/2018	45,484.80	Social services	BTM Divizia de Securitate
335	Guard services: Fundeni site - Addendum 2 to Contract/2018	105,801.60	Social services	BTM Divizia de Securitate
336	Guard services: Fundeni, Calarasi sites - Addendum to Contract/2018	13,987.20	Social services	BTM Divizia de Securitate SRL
337	Consultancy and information services - Contract	10,500.00 euro	Social services	
338	Consultancy and information services - addendum 1	10,500.00 euro	Social services	CULLEN INTERNATIONAL
339	Consultancy and information services - addendum 2	21,000.00 euro	Social services	CULLEN INTERNATIONAL
340	Occupational medicine services - addendum 2 to Contract/2017	6,480.00	Social services	MEDICOVER SRL
341	Occupational medicine services - addendum 3 to Contract/2017	6,480.00	Social services	MEDICOVER SRL
342	Occupational medicine services - addendum 4 to Contract/2017	6,480.00	Social services	MEDICOVER SRL
343	Occupational medicine services - Contract/2018	51,840.00	Social services	MEDICOVER SRL
344	Medical tests	1,020.00	Social services	Alsarius Medicus

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No.	Object of the contract	Amount-RON (VAT not included)	Public procurement procedure used	Winner
345	Concept creation services for an information campaign dedicated to communications users and outreach material	95,135 euro	Social services	MINIO STUDIO SRL
346	Creative, graphic design and layout services for ANCOM's public information and communication material	75,929.70	Social services	DHM PRINTING&ADVERTISING S.R.L.
347	Coffee break and lunch break services	3,990.83	Social services	YESTERDAY HOTELS S.R.L.
348	Order: business lunch services - Trattoria Bongiorno Lido	6,650.00	Social services	Eric Restaurante SRL
349	Conference room rental services, business meal services 08-11 May	40,600.00	Social services	Travel Expert Event
350	Order: business meal services - Hanul lui Manuc	12,025.00	Social services	Distinct Operations S.R.L
351	Order: business meal - Pescăruș	5,739.00	Social services	Eco Fresh Operations
352	Business meal services	6,650.00	Social services	Eric Restaurante SRL
353	Order: business meal services	11,375 VAT included	Social services	Hotel Orizont-Ramada lasi
354	Meeting room rental, business meal, coffee break services	67,635.49	Social services	Bega Turism SA
355	Business meal services - Order	6,554.62	Social services	ALBVEST SRL
356	Business meal and coffee break services - Order	3,680.67	Social services	Allevents Trading SRL
357	Meeting room rental, business meal and foreign guest accommodation services - Order	10,000.00 VAT included	Social services	CONTINENTAL HOTELS
358	Business meal services	2,400 VAT included	Social services	Bogdan Restaurante SRL
359	Business meal and coffee break services	9,000.00 VAT included	Social services	BUCATEPEROATE SRL
360	Cocktail reception space rental, technical equipment, event management supplies and traditional meal services - Order	430,563.60 VAT included	Social services	THE H HOTEL DUBAI
361	Entertainment services for ANCOM event at ITU	149,918 VAT included	Social services	Agurida Unlimited SRL

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No.	Object of the contract	Amount-RON (VAT not included)	Public procurement procedure used	Winner
362	Business meal services - Order	7,200.00 VAT included	Social services	Bogdan Restaurante SRL
363	1 meeting room rental services, foreign guest accommodation, 1 business meal, 1 coffee break	72,790.12	Social services	Societatea Companiilor Hoteliere Grand SRL
364	Order - participation in the National Seminar on Salaries and National Insurance Contributions	1,396.00	Exempted services	Rentrop & Straton
365	Order - participation in the Forum of the Courier and Postal Services Industry 2018	686.00 euro	Exempted services	GOVNET
366	Training services - Participation in the National Conference "Personal Data Protection"	420.00	Exempted services	Expert Aktiv Group SRL
367	Order - Data Protection Officer (DPO), Bucharest	2,100 eur	Exempted services	Pro Management S.R.L.
368	Order - participation in the Vmware Site Recovery Manager	3,532.8 eur	Exempted services	MBL Computers - ComputerLand Romania
369	Order - participation in "The 12th International Conference on Communications 2018-COMM 2018"	600 eur	Exempted services	Fundația Electronica 2000
370	Order - participation in "The 12th International Conference on Communications 2018-COMM 2018"	300 eur	Exempted services	Fundația Electronica 2000
371	Order - participation in "Excel 2013/2016 Intermediate level"	810 eur	Exempted services	SC Learning Solution Training SRL
372	Order - participation in training programme "Applied Ethical Hacking Bootcamp"	11,614.40 euro	Exempted services	Deloitte Audit SRL
373	Order - participation in the Congress "Cybersecurity-Romania"	9,737.49	Exempted services	SWISS WebAcademy
374	Contract - training programme "VMWare vSphere: Install, Configure, Manage 6.7"	73,216.00	Exempted services	ETA 2U S.R.L.
375	Order - participation in "Training programme on internal audit of the management system for laboratories in accordance with the requirements of SR EN ISO 19011:2011 and SR EN ISO/CEI 17025:2018"	4,320.00	Exempted services	Asociația Laboratoarelor din România - ROLAB
376	Order - participation in the training programme "Financial and management control - FOREXEBUG"	1,800.00	Exempted services	ABC Point Consulting SRL

No.	Object of the contract	Amount-RON (VAT not included)	Public procurement procedure used	Winner
377	Order - participation in the training programme "Implementation of ISO 27001 Information Security Management systems "	5,460.00	Exempted services	TOP Quality Management S.R.L.
378	Order – participation in the conference "Creativity 4 Better"	850 euro	Exempted services	International Advertising Association - IAA Romania
379	Order – participation in the training programme "Best practices in public procurement"	15,660.00	Exempted services	Expert Aktiv Group SRL
380	Order – participation in the training programme "Management of calibration and test laboratories"	1,000.00	Exempted services	Asociația Laboratoarelor din România - ROLAB
381	Order - training programme: measurement errors and uncertainty	12,800.00	Exempted services	ROLAB
382	Training programme: "FM and TV broadcast antennas" and "DVB-T2 - Second Generation Digital Video Broadcast"	51,640.00 euro	Exempted services	ROMKATEL S.R.L.
383	Contract - training programme "VMWare vSphere: Install, Configure, Manage 6.7"	73,216.00	Exempted services	ETA 2U S.R.L.
384	Contract - training programme "Spectrum monitoring measurements and techniques" and "Hands-on spectrum monitoring measurements"	42,400 euro	Exempted services	ROMKATEL S.R.L.
385	Order - training programme for internal auditors on laboratory management systems	900.00	Exempted services	ROLAB
386	Order - First aid and disaster relief training courses	7,600.00	Exempted services	Societatea Națională de Cruce Roșie România - Filiala sector 3, București
387	Order - training course "Determining the calibration intervals of measuring means. Measurement result traceability".	7,200.00	Exempted services	ROLAB
388	Order - "Logical Operations CyberSec First Responder+ CompTIA Cybersecurity Analyst+	65,691.00	Exempted services	Deloitte Audit SRL
389	Order - training course "Internal auditor for the information security management system, in accordance with ISO/CEI 27001:2013"	540 euro	Exempted services	TUV Karpat SRL
390	Order - "The 15th edition of Award Gala Communicatii Mobile"	1,900 euro	Exempted services	Mobile Media Company SRL
391	Concession - real estate (land) in Odoreu, county of Satu-Mare, radio spectrum monitoring station	1,000 ron/year	Open tender	Odoreu Mayoralty, county of Satu-Mare

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Table 14.3. List of procurement orders/contracts concluded in 2018 - RD Bucharest - Operational expenditure

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No.	Object of the contract	Amount RON, VAT not included	Public procurement procedure	Winner
1	Addendum 2, February-April - Dacia car warranty service contract	30,375.00	Open tender	MERIDIAN SUD INVEST
2	Addendum 2, February-April - office cleaning services - 1st batch - RD B	26,160.00	Open tender	кі тот
3	Addendum 2, February-April - office cleaning services - 2nd and 3rd batch - County Offices	18,375.00	Open tender	Terra Clean Service
4	Dacia car service contract + Addendum 1 - January 2019	91,125.00	Open tender	SERVICE AUTO SERUS
5	Mercedes and Nissan car service contract + Addendum 1 - January 2019	70,875.00	Open tender	Service CICLOP
6	Contract - office cleaning services - 1st batch - RD B	68,289.75	Open tender	к1 тот
7	Contract - office cleaning services - County Offices: BV, BZ, AG, DB, OT, PH, VL, 2nd batch + addendum 1 Jan. 2019	61,690.00	Open tender	TERRA CLEAN SERVICES
8	Contract - office cleaning services - County Offices: CT, CL, IL, TR, TL, GR 3rd batch + addendum 1 - Jan. 2019	52,080.00	Open tender	TERRA CLEAN SERVICES
9	Contract - drawing up the specific documentation on fire safety and obtaining the fire safety endorsement for the RD Bucharest	98,900.00	Simplified procedure	IMPO CONSTRUCT
10	Addendum 2, guard services County Office DB - February 2018	100,00	Social services	EUROGUARD
11	Addendum 2, guard services County Office CT - February 2018	190,00	Social services	Team Guard
12	Addendum 2, guard services County Office BZ - February 2018	190,00	Social services	Team Guard
13	Addendum 2, guard services County Office GR - February 2018	190,00	Social services	Team Guard
14	Addendum 2, guard services County Office AG - February 2018	190,00	Social services	Team Guard
15	Addendum 2, guard services County Office PH - February 2018	190,00	Social services	Team Guard
16	Addendum 2, guard services County Office TL - February 2018	190,00	Social services	Team Guard
17	Addendum 2, guard services County Office VL (TMS) - February 2018	190,00	Social services	Team Guard
18	Addendum 2, guard services County Office VL - February 2018	190,00	Social services	Team Guard
19	Addendum 2, guard services County Office OT - February 2018	190,00	Social services	Team Guard
20	Addendum 2, guard services County Office TR - February 2018	190,00	Social services	Team Guard
21	Addendum 2, guard services County Office CL - February 2018	190,00	Social services	Team Guard
22	Addendum 2, guard services County Office BV - February 2018	190,00	Social services	Team Guard

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No.	Object of the contract	Amount RON, VAT not included	Public procurement procedure	Winner
23	Addendum 3, guard services Lempes site - February 2018	6,074.90	Social services	Vanguard Security Services
24	Addendum 3, guard services Dealu Beiu site - February 2018	6,074.90	Social services	Vanguard Security Services
25	Addendum 3, guard services Cumpana site - February 2018	6,074.90	Social services	Vanguard Security Services
26	Addendum 3, guard services Ghencea site - February 2018	6,074.90	Social services	Vanguard Security Services
27	Addendum 3, guard services Chitorani site - February 2018	6,074.90	Social services	Vanguard Security Services
28	Addendum 3, guard services County Office CT - February 2018	6,074.90	Social services	Vanguard Security Services
29	Addendum 3, guard services Cernavoda site - February 2018	6,074.90	Social services	Vanguard Security Services
30	Addendum 3, guard services Stefanesti site - February 2018	6,074.90	Social services	Vanguard Security Services
31	Addendum 3, guard services Fundeni site - February 2018	6,074.90	Social services	Vanguard Security Services
32	Contract guard services Chitorani site - March + Addenda April-June+July-December	74,027.45	Social services	Vanguard Security Services
33	Contract guard services Lempes site - March + Addenda April-June+July-December	74,027.45	Social services	Vanguard Security Services
34	Contract guard services County Office CT - March + Addenda April-June+July-December	74,027.45	Social services	Vanguard Security Services
35	Contract guard services Stefanesti site - March + Addenda April-June+July-December	74,027.45	Social services	Vanguard Security Services
36	Contract guard services Dealu Beiu site - March + Addenda April-June+July-December	74,027.45	Social services	Vanguard Security Services
37	Contract guard services Fundeni site - March + Addendum April + May-June	29,514.24	Social services	Vanguard Security Services
38	Contract guard services Ghencea site - March + Addenda April-June+July-December	74,027.45	Social services	Vanguard Security Services
39	Contract guard services Cumpana site - March + Addenda April-June+July-December	74,027.45	Social services	Vanguard Security Services
40	Contract guard services Cernavoda site - March + Addenda April-June+July-December	74,027.45	Social services	Vanguard Security Services
41	Contract guard services County Office DB - March + Addenda April-June+July-December	1,200.00	Social services	Euroguard
42	Contract guard services County Office CT - March + Addenda April-June+July-December	2,000.00	Social services	Team Guard
43	Contract guard services County Office BZ - March + Addenda April-June+July-December	2,000.00	Social services	Team Guard
44	Contract guard services County Office GR - March + Addenda April-June+July-December	2,000.00	Social services	Team Guard
45	Contract guard services County Office AG - March + Addenda April-June+July-December	2,000.00	Social services	Team Guard
46	Contract guard services County Office PH - March + Addenda April-June+July-December	2,000.00	Social services	Team Guard

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No.	Object of the contract	Amount RON, VAT not included	Public procurement procedure	Winner
47	Contract guard services County Office TL - March + Addenda April-June+July-December	2,000.00	Social services	Team Guard
48	Contract guard services County Office VL (TMS) - March + Addenda April-June+July- December	2,000.00	Social services	Team Guard
49	Contract guard services County Office VL - March + Addenda April-June+July-December	2,000.00	Social services	Team Guard
50	Contract guard services County Office OT - March + Addenda April-June+July-December	2,000.00	Social services	Team Guard
51	Contract guard services County Office TR - March + Addenda April-June+July-December	2,000.00	Social services	Team Guard
52	Contract guard services County Office CL - March + Addenda April-June+July-December	2,000.00	Social services	Team Guard
53	Contract guard services County Office BV - March + Addenda April-June + July-December	2,000.00	Social services	Team Guard
54	Contract guard services Cernavoda site - January 2019	10,044.00	Social services	Vanguard Security Services
55	Contract guard services Chitorani site - January 2019	10,044.00	Social services	Vanguard Security Services
56	Contract guard services Cumpana site - January 2019	10,044.00	Social services	Vanguard Security Services
57	Contract guard services Dealu Beiu site - January 2019	10,044.00	Social services	Vanguard Security Services
58	Contract guard services Ghencea site - January 2019	10,044.00	Social services	Vanguard Security Services
59	Contract guard services Lempes site - January 2019	10,044.00	Social services	Vanguard Security Services
60	Contract guard services County Office CT - January 2019	10,044.00	Social services	Vanguard Security Services
61	Contract guard services Cernavoda site - January 2019	10,044.00	Social services	Vanguard Security Services
62	Contract guard services County Office DB - January 2019	125.00	Social services	Euroguard
63	Contract guard services County Office AG - January 2019	220.00	Social services	Team Guard
64	Contract guard services County Office BV - January 2019	220.00	Social services	Team Guard
65	Contract guard services County Office BZ - January 2019	220.00	Social services	Team Guard
66	Contract guard services County Office CL - January 2019	220.00	Social services	Team Guard
67	Contract patrol services County Office CT - January 2019	220.00	Social services	Team Guard
68	Contract patrol services County Office GR - January 2019	220.00	Social services	Team Guard
69	Contract patrol services County Office OT - January 2019	220.00	Social services	Team Guard
70	Contract patrol services County Office PH - January 2019	220.00	Social services	Team Guard

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No.	Object of the contract	Amount RON, VAT not included	Public procurement procedure	Winner	
71	Contract patrol services County Office TR - January 2019	220.00	Social services	Team Guard	
72	Contract patrol services County Office TL - January 2019	220.00	Social services	Team Guard	
73	Contract patrol services County Office VL - January 2019	220.00	Social services	Team Guard	
74	Contract patrol services County Office VL (TMS) - January 2019	220.00	Social services	Team Guard	
75	Order - medical tests for drivers	285.71	Social services	Alsaris Medical	
76	Addenda 2, 3, 4 - February - March - tyre storage services for RD Bucharest	1,396.08	Direct purchasing	Euromaster Tyre	
77	Contract meter reading services County Office GR	48.81	Direct purchasing	Global Energy	
78	Order - car washing services County Office AG	1,276.00	Direct purchasing	Proffesional Wash Car	
79	Order - car washing services County Office CL	647.02	Direct purchasing	Happy Fusion	
80	Order – car washing services County Office BZ	660.00	Direct purchasing	Com Lian	
81	Order - car washing services County Office VL	998.36	Direct purchasing	Nurvil SRL	
82	Order - car washing services County Office GR	550.00	Direct purchasing	Casa Auto Gilbert	
83	Order - car washing services County Office PH	880.00	Direct purchasing	Maxy Clean Serv	
84	Order - car washing services RD Bucharest	4,500.00	Direct purchasing	Kraus Dinamic	
85	Order - car washing services County Office TR	383.24	Direct purchasing	Medas SRL	
86	Order - car washing services County Office DB	550.00	Direct purchasing	Motor Drive Stop	
87	Order - car washing services County Office TL	1,109.24	Direct purchasing	Convenabil	
88	Order - car washing services County Office OT	506.00	Direct purchasing	Romtimex	
89	Order - car washing services County Office BV	924.44	Direct purchasing	Herbi Automobile	
90	Order - car washing services County Office CT	1,276.00	Direct purchasing	Donald Serv	
91	Order - tyre replacement services County Office BZ	144.00	Direct purchasing	Euromaster Tyre	
92	Order - tyre replacement services County Office CT	288.00	Direct purchasing	Euromaster Tyre	
93	Order - tyre replacement services County Office PH	288.00	Direct purchasing	Euromaster Tyre	
94	Order - tyre replacement services County Office DB	144.00	Direct purchasing	Euromaster Tyre	
95	Order - tyre replacement services County Office IL	288.00	Direct purchasing	Euromaster Tyre	

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No.	Object of the contract	Amount RON, VAT not included	Public procurement procedure	Winner
96	Order - tyre replacement services County Office TR	144.00	Direct purchasing	Euromaster Tyre
97	Order - tyre replacement services County Office AG	288.00	Direct purchasing	Euromaster Tyre
98	Order - tyre replacement services County Office OT	144.00	Direct purchasing	Euromaster Tyre
99	Order - tyre replacement services County Office TL	288.00	Direct purchasing	Euromaster Tyre
100	Order - tyre replacement services County Office VL	288.00	Direct purchasing	Euromaster Tyre
101	Order - tyre replacement services County Office GR	144.00	Direct purchasing	Euromaster Tyre
102	Order - tyre replacement services County Office CL	144.00	Direct purchasing	Euromaster Tyre
103	Order - tyre replacement services County Office BV	288.00	Direct purchasing	Euromaster Tyre
104	Order - tyre replacement services RD Bucharest	6,427.04	Direct purchasing	Euromaster Tyre
105	Order - boat conservation and launch services	535.00	Direct purchasing	ProNautica
106	Order - docking services, February 2018	250.00	Direct purchasing	ProNautica
107	Order - docking services, March 2018	250.00	Direct purchasing	ProNautica
108	Boat fuel contract (gasoline)	12,600.00	Direct purchasing	ETC Oil Trade
109	Boat fuel contract (gasoline)	1,102.50	Direct purchasing	ETC Oil Trade
110	Contract - crew rental services	40,800.00	Direct purchasing	PFA Casian Valentin
111	Contract - crew rental services	6,050.42	Direct purchasing	PFA Casian Valentin
112	Boat technical inspection services	1,036.54	Direct purchasing	ProNautica
113	Order - boat VHF antenna	350.00	Direct purchasing	Navtron
114	Order - carpet cleaning services for RD Bucharest	4,500.00	Direct purchasing	BIAMAR
115	Order - maintenance and repair services for water filters	8,300.00	Direct purchasing	Water Set
116	Order - Holopatch PVC card	512.00	Direct purchasing	Quantmed
117	Order - pest and rodent control for RD Bucharest	1,007.00	Direct purchasing	DDD Constance Perfect Clean
118	Contract technical verification (RSVTI) services - February + Addenda March - December	2,640.00	Direct purchasing	Techno Cert
119	Contract - elevator maintenance: February + addenda March - December	3,520.00	Direct purchasing	Koppel Ascensoare
120	Order: CNCIR authorisation for elevators	800.00	Direct purchasing	CNCIR

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No.	Object of the contract	Amount RON, VAT not included	Public procurement procedure	Winner
121	Contract - eco toilet rental services: Ghencea	3,550.00	Direct purchasing	Toi Toi&Dixi
122	Contract - garbage clearance County Office CT: March + addenda April - December	1,094.63	Direct purchasing	Polaris Holding
123	Contract - garbage clearance County Office BZ: March + addenda April - December	1,042.14	Direct purchasing	Rer Sud
124	Contract - garbage clearance County Office BV: March + addenda April - December	671.96	Direct purchasing	Comprest
125	Contract - garbage clearance County Office TR: March + addenda April - December	562.63	Direct purchasing	Polaris Holding
126	Contract - garbage clearance RD Bucharest: February-March + Addenda April-December	1,980.00	Direct purchasing	Rebu
127	Contract - garbage clearance County Office GR: March + addenda April - December	489.86	Direct purchasing	Girexim Universal
128	Contract - garbage clearance County Office AG: March + addenda April - December	706.91	Direct purchasing	Salubritate 2000
129	Contract - garbage clearance County Office DB: March + addenda April - December	387.12	Direct purchasing	Supercom
130	Contract – garbage clearance County Office CL – April-December	437.54	Direct purchasing	Rebu
131	Contract – garbage clearance County Office OT – April-December	626.88	Direct purchasing	Salubris
132	Contract – garbage clearance County Office IL – March + Addenda April-December	483.12	Direct purchasing	Polaris Holding
133	Order - first-aid car kit	195.50	Direct purchasing	Ellebi Com Impex
134	Order - first-aid car kit	149.50	Direct purchasing	Ellebi Com Impex
135	Order - workplace fist-aid kit	1,856.00	Direct purchasing	Ellebi Com Impex
136	Oder - boat audio warning system	1,511.00	Direct purchasing	Overlords
137	Order - envelopes, ball-point pens, markers, ink	2,595.00	Direct purchasing	Office Max
138	Order - correction tape, clipboard, glue, staples, cardboard files, A4 paper	13,161.50	Direct purchasing	Things for your office
139	Order - clear sheet protector, plastic binder folders, covers, carbon paper	1,559.96	Direct purchasing	RTC
140	Order - boat dolly technical inspection services	78.70	Direct purchasing	RAR TL
141	Order - boat technical inspection services	6,000.00	Direct purchasing	ANR
142	Order - technical inspection services (ITP) Renault Master, Sprinter, Duster	500.00	Direct purchasing	Transporturi Auto Tei
143	Order - technical inspection services (ITP) Toyota	190.00	Direct purchasing	Transporturi Auto Tei
144	Order - plugs, lock	230.02	Direct purchasing	Dedeman
145	Order - canister, rope	915.78	Direct purchasing	Dedeman

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146	Order - switches, insulating tape, clips	129.02	Direct purchasing	Dedeman
147	Order - tyres	6,890.84	Direct purchasing	Railex
148	Order - technical inspection services (ITP) on Navara, Sharan, GDs	600.00	Direct purchasing	Transporturi Auto Tei
149	Order - technical inspection services (ITP) Mercedes Sprinter, Logan, Passat	448.06	Direct purchasing	Transporturi Auto Tei
150	Order - technical inspection services (ITP) Duster, County Office CL	84.03	Direct purchasing	Happy Fusion
151	Order - technical inspection services (ITP) Duster, County Office DB	84.03	Direct purchasing	Beda impex
152	Order - technical inspection services (ITP) Duster, RD Bucharest (5 Dusters, 1 Pathfinder)	504.18	Direct purchasing	Transporturi Auto Tei
153	Order - technical inspection services (ITP) Duster, County Office CT	109.24	Direct purchasing	Transfer Punct Fix
154	Order - technical inspection services (ITP) Duster, County Office PH	75.63	Direct purchasing	CHEDRA TAX
155	Order - technical inspection services (ITP) Duster, County Office VL	100.84	Direct purchasing	Nurvil
156	Order - technical inspection services (ITP) Duster, County Office OT	84.03	Direct purchasing	Total Auto Casa BC
157	Order - technical inspection services (ITP) Duster, County Office BZ	84.03	Direct purchasing	Autorom Service
158	Order - technical inspection services (ITP) Duster, County Office TR	126.05	Direct purchasing	Eurocar Teleorman
159	Order - technical inspection services (ITP) Duster, County Office AG	84.03	Direct purchasing	Auto Global Solution
160	Order - technical inspection services (ITP) Duster, County Office BV	75.63	Direct purchasing	Labell
161	Order - LHP car battery, Mercedes GD 290	378.00	Direct purchasing	Tora Distribution System
162	Order – LHP car battery	407.00	Direct purchasing	Tora Distribution System
163	Order - summer windshield wiper fluid	504.00	Direct purchasing	Romtec Austira
164	Order - LED tubes and cord extension	1,740.40	Direct purchasing	Dedeman
165	Order - aluminum ladder for County Offices	8,826.03	Direct purchasing	Dedeman
166	Order - liquid dishwasher, toilet paper, folded tissues	5,365.10	Direct purchasing	Pluridet Comexim
167	Order - UPS accumulator pack	748.80	Direct purchasing	Tora Distribution System
168	Order - JDSU pack	3,910.00	Direct purchasing	TELECOM INSTRUMENTS
169	Order - rubber plug and socket, saw, electrical cable, LED lamps	808.29	Direct purchasing	Dedeman
170	Order - electric hedgecutter	500.00	Direct purchasing	Dedeman

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171	Order - air conditioning unit, County Office PH	1,850.00	Direct purchasing	East West
172	Order - air conditioning unit, County Office BV	2,000.00	Direct purchasing	Costianu
173	Order - air conditioning unit check-up services RD Bucharest	2,650.00	Direct purchasing	Climatico
174	Order - Chiller check-up services RD Bucharest	1,200.00	Direct purchasing	TRANE ROMANIA
175	Order - Chiller repair services RD Bucharest	14,444.00	Direct purchasing	TRANE ROMANIA
176	Order - garage doors check-up services	3,990.00	Direct purchasing	GUNTHER TORE
177	Order - alkaline batteries	547.20	Direct purchasing	Office Max
178	Order - sanitizing cream and solution cleaner, bin bags, broom and dustpan set, cleaning sponge, car air freshener, screen-cleaning tissues	890.70	Direct purchasing	Things for your office
179	Order - facade washing services RD Bucharest	4,200.00	Direct purchasing	Expert Alpin Solutions
180	Order - soldering station	470.00	Direct purchasing	Real Invest Com
181	Order - fire extinguisher verification for County Office TL + boat	58.00	Direct purchasing	Selco System
182	Order - fire extinguisher verification for County Office BV	85.00	Direct purchasing	Tehnosting Echipamente
183	Order - Car Fire Extinguisher Spray	303.60	Direct purchasing	Vesta Investment
184	Order - filter set for transmitter measurements	857.00	Direct purchasing	Comtest
185	Order - car charger adapter	945.00	Direct purchasing	Altex
186	Order - USB adapter for Thermal power sensor NRP-Z51	950.00	Direct purchasing	Rohde&Schwartz
187	Order - alarm system check-up County Offices	15,400.00	Direct purchasing	EUROGUARD
188	Order - electric trimmer	478.15	Direct purchasing	Corsar Online
189	Order - copier services for A0 documents	115.29	Direct purchasing	Fast PC Net
190	Order - APC UPS accumulators	1,785.36	Direct purchasing	UPS Distribution
191	Order - car battery, County Office CL	342.00	Direct purchasing	Tora Distribution
192	Order - AA accumulators	246.40	Direct purchasing	Tora Distribution
193	Order - electrical grid repair services for RD Bucharest	9,950.00	Direct purchasing	RENVERT
194	Order - fire extinguishers	760.00	Direct purchasing	Star Sting
195	Order - sewerage works County Office DB	6,500.00	Direct purchasing	Afa Special Logistic

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No.	Object of the contract	Amount RON, VAT not included	Public procurement procedure	Winner
196	Order - trash bins County Office IL	454.24	Direct purchasing	DMU TOTAL
197	Order - chiller repair services (oil sensors and condenser replacement)	3,494.00	Direct purchasing	TRANE ROMANIA
198	Order - fire extinguisher verification, County Office CT	235.00	Direct purchasing	Stirom
199	Order - fire extinguisher verification, County Office IL	112.00	Direct purchasing	Tehno Sting Company
200	Order - fire extinguisher verification, County Office CL	36.00	Direct purchasing	Nofire Grup Serv
201	Order - fire extinguisher verification, County Office VL	40.00	Direct purchasing	Megainvest
202	Order - fire extinguisher verification, County Office BZ	100.00	Direct purchasing	Fire Pro Equipment&Safety
203	Order - fire extinguisher verification, County Office OT	120.00	Direct purchasing	Multiserv
204	Order - fire extinguisher verification, County OfficeTR	33.60	Direct purchasing	D&V Protection
205	Order - fire extinguisher verification, County Office DB	96.00	Direct purchasing	Sting Ste Dav Com
206	Order - fire extinguisher verification, RD Bucharest	975.00	Direct purchasing	Star Sting
207	Order - fire extinguisher verification, County Office GR	84.04	Direct purchasing	Caro Impex
208	Order - fire extinguisher verification, County Office AG + \$tefănești site	168.00	Direct purchasing	Romimpex
209	Order - fire extinguisher verification, County Office PH + Chitorani site	112.00	Direct purchasing	Industrial Cruman
210	Order - fire extinguisher verification, Lempes site	40.00	Direct purchasing	Tehnosting Echipamente
211	Order - fire extinguisher verification, Dealu Beiu site	42.00	Direct purchasing	Selco System
212	Order - overalls, protection gloves, protection googles	584.08	Direct purchasing	Geve Com
213	Order - flower pots	373.50	Direct purchasing	Dedeman
214	Order - crimping pliers	81.14	Direct purchasing	Unior Tepid
215	Order - winter windshield washing fluid	823.50	Direct purchasing	Ad Auto Total
216	Order - water supply system repair services for County Office DB	5,188.36	Direct purchasing	Afa Special Logistic
217	Order - APC accumulators	1,788.42	Direct purchasing	UPS Distribution
218	Order - air conditioning unit repair services - Portability	2,924.36	Direct purchasing	Climatico
219	Order - pest and rodent control services for RD Bucharest, November	655.00	Direct purchasing	DDD Constance Perfect Clean
220	Order - gas supply grid for DR Bucharest	2,881.28	Direct purchasing	Sam Proiect Grup

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221	Order – external HDD, SSD	5,033.60	Direct purchasing	Corsar Online
222	Order - boring machine	741.18	Direct purchasing	Dedeman
223	Order - RJ45 connectors, type C adaptor	662.00	Direct purchasing	Office Max
224	Order - winter tyres	10,117.84	Direct purchasing	Railex
225	Order - Brother printer laminated tape	120.00	Direct purchasing	Office Max
226	Order - network tool kit and card reader	1,122.00	Direct purchasing	Office Max
227	Order - RD Bucharest heating plant check-up and safety valve testing	2,100.00	Direct purchasing	Metroinstal
228	Order - heating plant repair services for County Office BZ	210.00	Direct purchasing	Climaterm Design
229	Order - mouse	522.50	Direct purchasing	Things for your office
230	Order - boat docking and winterizing services, December	835.00	Direct purchasing	ProNautica
231	Order - rack ventilators	192.00	Direct purchasing	Things for your office
232	Order - labelling unit accumulator	117.00	Direct purchasing	Tora Distribution System
233	Order - alucobond refurbishment works for RD Bucharest	4,400.00	Direct purchasing	BIAMAR
234	Order - boat docking services, January 2019	310.00	Direct purchasing	Pronautica
235	Contract - tyre storing services, January 2019	491.40	Direct purchasing	Euromaster Tyre
236	Order - business entertainment items, February- August	2,074.46	Direct purchasing	METRO
237	Contract no. 11177/09.09.2009 for electricity sub-supply to Fundeni site	6,626.84	Exempted services	Institutul Clinic Fundeni
238	Contract no. DRB 15388/29.12.2011 for electricity sub-supply to Vâlcea site; Addendum BAR 266/12.12.2017	4,389.62	Exempted services	SC Apavil
239	Contract BAR 265/12.12.2017; Addendum BAR 4/17.01.2018 for electricity sub-supply to Cernavoda site	5,032.13	Exempted services	SC RAJA SA
240	Contract OAR 74/29.04.2013 heating supply to County Office GR	3,438.10	Exempted services	SC Global Energy Production
241	Contract BAR 1/09.01.2018 cost meters reading services, County Office GR	24.00	Exempted services	SC Global Energy Production
242	Contract 990/07.02.2008 heating supply to County Office CT Tomis	1,052.03	Exempted services	SC RADET SA Constanța
243	Contract OAR 37/08.02.2017 share of heating supply services for County Office TL	0.00	Exempted services	SC Energoterm SA
244	Contract DRB 3950/08.05.2012 sewerage services, County Office BV	792.16	Exempted services	Compania de Apa Brașov

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No.	Object of the contract	Amount RON, VAT not included	Public procurement procedure	Winner
245	Contract 30087/01.04.2008 sewerage services, County Office BZ	327.60	Exempted services	Water & Sewerage Company Buzău
246	Contract DRB 5715/09.07.2013 sewerage services, County Office CT	716.18	Exempted services	SC RAJA SA
247	Contract OAR 101/18.05.2012 sewerage services, County Office AG	391.60	Exempted services	Apa-Canal 2000 SA Pitești
248	Contract OAR 35/06.02.2017 sewerage services, County Office IL	346.76	Exempted services	SC Urban Slobozia Ialomița
249	Contract DRB 7201/30.09.2013 sewerage services, RD Bucharest	8,089.98	Exempted services	SC Apa Nova SA
250	Contract 2527/05.01.2011 sewerage services, County Office DB	397.22	Exempted services	Water & Sewerage Company Târgoviște
251	Contract 2919/19.01.2011 sewerage services, County Office CL	94.77	Exempted services	SC Ecoaqua Călărași
252	Contract 212/18.02.2011 sewerage services, County Office OT	333.71	Exempted services	Compania de Apa Slatina Olt
253	Contract OAR 74/16.04.2014 sewerage services, County Office GR	58.54	Exempted services	SC Apa Service Giurgiu
254	Contract 591/11.11.2010 sewerage services, County Office TR	48.27	Exempted services	SC Apa Serv Teleorman
255	Contract 11176/09.09.2009 rental of 50 sqm on the hospital top for Fundeni site; Addendum 4/03.08.2017 addendum extension 5/29.08.2018 contract extension	39,131.19	Exempted services	Fundeni Clinical Institute
256	Contract 88153/31.10.2000 concession of 468.65 sqm land for Cumpana site, County Office CT	2,646.72	Exempted services	Mayoralty of Constanța
257	Contract 34492/02.11.2012 rental of 50 sqm land for Cernavoda site, County Office CT; Addendum 1/01.02.2017	2,580.00	Exempted services	Mayoralty of Cernavodă
258	Contract 32944/14.12.2015 rental of 300 sqm land for \$tefăneşti site, County Office AG	15,346.00	Exempted services	Local Council Ștefănești
259	Contract 6602/16.05.2014 rental of 200 sqm land for Chițorani site, County Office PH	18,432.00	Exempted services	Local Council Bucov
260	Contract 1661/18.10.1999 concession of 250 sqm land for Deal Beiu site, County Office TL	2,289.22	Exempted services	Local Council Nufăru
261	Contract 910/20.10.2011 concession of land for RD Bucharest building	56,742.68	Exempted services	Mayoralty of Municipiului București
262	Contract BAR 267/12.12.2017; Addendum BAR 3/17.01.2018 rental of 13 sqm passway and 15 sqm on rooftop, Obregia	4,525.00	Exempted services	Tenants' Association Bloc 2 A Obregia
263	Agreement 42196/08.11.2017 temporary use of the public domain - 1 car parking lot, County Office Giurgiu	185.00	Exempted services	Mayoralty of Giurgiu
264	Order - 2018 vignettes	9,311.97	Exempted services	CNAIR
265	Contract DRB 2471/21.06.2018 gendarmerie intervention on Fundeni site	1,435.92	Exempted services	Gendarmerie General Directorate București

Table 14.4. List of purchase orders/contracts concluded in 2018 - RD Iași - Operational expenses

No.	Contract object	Amount VAT	Public procurement procedure	Winner
1	Car service - batch 1 for Dacia/Renault - February-April, Add.3, Add.4.	8,000.00	Open tender	SC CASA AUTO VALEA LUPULUI
2	Car service - batch 2 for VW Sharan/Toyota Landcruiser - February-April, Add.2, Add.3.	3,000.00	Open tender	SC CASA AUTO LETCANI
3	Car service - batch 3 for Mercedes Benz - February - April, Add.2, Add3.	2,000.00	Open tender	SC CASA AUTO
4	Car service - batch 4 for Nissan - February - April, Add.3, Add.4	4,000.00	Open tender	SC CASA AUTO VALEA LUPULUI
5	Car service - batch 1 for Dacia/Renault - Contract, Add.1	108,600.00	Open tender	SC CASA AUTO VALEA LUPULUI
6	Car service - batch 3 for Mercedes Benz - Contract, Add.1	10,200.00	Open tender	SC CASA AUTO
7	Car service - batch 4 for Nissan - Contract, Add.1	19,700.00	Open tender	SC CASA AUTO VALEA LUPULUI
8	Car service - batch 1 RD Iași - February - April, Add.2	12,883.00	Open tender	K1 TOT S.R.L.
9	Cleaning services - batch 2 County Office BC - February-April, Add.2	3,210.30	Open tender	TERRA CLEAN SERVICE
10	Cleaning services - batch 3 County Office BT - February-April, Add.2	1,670.40	Open tender	TERRA CLEAN SERVICE
11	Cleaning services - batch 4 County Office BR - February-April, Add.2	1,200.00	Open tender	CONFIDENT SERV
12	Cleaning services - batch 5 County Office GL - February-April, Add.2	1,304.64	Open tender	DEZINFER SERVICE S.R.L
13	Cleaning services - batch 6 County Office NT - February-April, Add.2	1,670.40	Open tender	TERRA CLEAN SERVICE
14	Cleaning services - batch 7 County Office SV - February-April, Add.2	1,252.80	Open tender	TERRA CLEAN SERVICE
15	Cleaning services - batch 8 County Office VS - February-April, Add.2	1,304.64	Open tender	DEZINFER SERVICE S.R.L
16	Cleaning services - batch 9 County Office VN - February-April, Add.2	978.48	Open tender	DEZINFER SERVICE S.R.L
17	Cleaning services - batch 1 - RD Iași - 07.06 - 31.12.2018	80,071.20	Open tender	K1 TOT S.R.L.
18	Cleaning services - batch 2, County Office BC, 07.06-31.12.2018, Add.1	16,733.18	Open tender	DEZINFER SERVICE S.R.L
19	Cleaning services - batch 3, County Office BT, 07.06-31.12.2018, Add.1	8,636.48	Open tender	DEZINFER SERVICE S.R.L
20	Cleaning services - batch 5, County Office GL, 07.06-31.12.2018, Add.1	8,636.48	Open tender	DEZINFER SERVICE S.R.L

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No.	Contract object	Amount VAT	Public procurement procedure	Winner
21	Cleaning services - batch 8, County Office VS, 07.06-31.12.2018, Add.1	8,636.48	Open tender	DEZINFER SERVICE S.R.L
22	Cleaning services - batch 9, County Office VN, 07.06-31.12.2018, Add.1	6,477.36	Open tender	DEZINFER SERVICE S.R.L
23	Cleaning services - batch 4, County Office BR, 07.06-31.12.2018, Add.1	8,164.48	Open tender	CONFIDENT SERV
24	Cleaning services - batch 6, County Office NT, 07.06-31.12.2018	8,686.08	Open tender	TERRA CLEAN SERVICE
25	Cleaning services - batch 7, County Office SV, 07.06-31.12.2018, Add.1	6,514.56	Open tender	TERRA CLEAN SERVICE
26	Supply of FR sheathed cable	95,000.00	Simplified procedure	SC ROMKATEL SRL
27	Guard services - Odaia Manolache site, GL - February 2018, Add.5	7,324.80	Social services	Safety Security
28	Guard services - Hadambu site, IS - February 2018, Add.5	7,324.80	Social services	Safety Security
29	Guard services - Ipotesti site, SV - February 2018, Add.5	7,324.80	Social services	Safety Security
30	Guard services - Botesti site, BC - February 2018, Add.5	7,324.80	Social services	Safety Security
31	Contract, guard services - Odaia Manolache site, GL - 2018, Add.1, Add.2.	79,176.00	Social services	Vanguard Security Services
32	Contract, guard services - Hadambu site, IS - 2018, Add.1, Add.2.	79,176.00	Social services	Vanguard Security Services
33	Contract, guard services - Ipotesti site, SV - 2018, Add.1, Add.2.	79,176.00	Social services	Vanguard Security Services
34	Contract, guard services - Botesti site, BC - 2018, Add.1, Add.2.	79,176.00	Social services	Vanguard Security Services
35	Addendum 5 Security system monitoring and follow-up patrol services for County Office BC - Feb.	150.00	Social services	Ekipa SRL
36	Addendum 5 Security system monitoring and follow-up patrol services for County Office VS – Feb.	85.00	Social services	Sheriff Guard Protection SRL
37	Addendum 5 Security system monitoring and follow-up patrol services for County Office BR - Feb.	100.00	Social services	Security PEC SRL
38	Addendum 5 Security system monitoring and follow-up patrol services for C. Negri - Feb.	150.00	Social services	Ekipa SRL

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No.	Contract object	Amount VAT not included	Public procurement procedure	Winner
39	Addendum 5 Security system monitoring and follow-up patrol services for County Office BT - Feb.	150.00	Social services	Ekipa SRL
40	Addendum 5 Security system monitoring and follow-up patrol services for County Office GL - Feb.	100.00	Social services	Security PEC SRL
41	Addendum 5 Security system monitoring and follow-up patrol services for County Office SV - Feb.	150.00	Social services	Ekipa SRL
42	Addendum 5 Security system monitoring and follow-up patrol services for County Office VN - Feb.	160.00	Social services	Sheriff Guard Protection SRL
43	Addendum 5 Security system monitoring and follow-up patrol services for County Office NT - Feb.	85.00	Social services	Sheriff Guard Protection SRL
44	Contract, Security system monitoring and follow-up patrol services for County Office BC - Add.1, Add.2.	1,530.00	Social services	Ekipa SRL
45	Contract, Security system monitoring and follow-up patrol services for County Office VS - Add.1, Add.2.	1,080.00	Social services	Sheriff Guard Protection SRL
46	Contract, Security system monitoring and follow-up patrol services for County Office BR - Add.1, Add.2.	1,080.00	Social services	Security PEC SRL
47	Contract, Security system monitoring and follow-up patrol services for County Office C. Negri - Add.1, Add.2.	1,530.00	Social services	Ekipa SRL
48	Contract, Security system monitoring and follow-up patrol services for County Office BT - Add.1, Add.2.	1,530.00	Social services	Ekipa SRL
49	Contract, Security system monitoring and follow-up patrol services for County Office GL - Add.1, Add.2.	1,080.00	Social services	Security PEC SRL
50	Contract, Security system monitoring and follow-up patrol services for County Office SV - Add.1, Add.2.	1,530.00	Social services	Ekipa SRL
51	Contract, Security system monitoring and follow-up patrol services for County Office VN - Add.1, Add.2.	1,800.00	Social services	Sheriff Guard Protection SRL

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No.	Contract object	Amount VAT	Public procurement procedure	Winner
52	Contract, Security system monitoring and follow-up patrol services for County Office NT - Add.1, Add.2.	1,080.00	Social services	Sheriff Guard Protection SRL
53	Car wash services RD lasi – FebDec.	9,460.00	Direct purchasing	SC ALSELM CAR
54	Car wash services County Office BC	1,500.00	Direct purchasing	SC COMPLEX FAVORIT
55	Car wash services County Office GL	1,500.00	Direct purchasing	SC KILLTEC
56	Car wash services County Office BR	1,000.00	Direct purchasing	SC AGIMTRANS
57	Car wash services County Office BT	1,000.00	Direct purchasing	SC CLEAN SHINE&SMILE
58	Car wash services County Office VN	1,500.00	Direct purchasing	SC MARSAT COM
59	Car wash services County Office VS	1,000.00	Direct purchasing	SC ADRIAN TRANS
60	Car wash services County Office NT	1,500.00	Direct purchasing	SC MONDOTERM
61	Car wash services County Office SV	1,500.00	Direct purchasing	SC AUTO TEST BUCOVINA
62	Technical verification services (ITP) for Mercedes Sprinter, Mercedes, Nissan	700.00	Direct purchasing	SC Auto Sidelson
63	Technical verification services (ITP) for Mercedes GD, Renault Master, Duster, MCV	2,100.00	Direct purchasing	SC SERMECOM AUTOTRADING
64	Technical verification services (ITP) for 7 Duster and 1 Renault Kadjar	1,200.00	Direct purchasing	SC BRAS SRL
65	Business entertainment items	1,763.20	Direct purchasing	Metro Cash&carry
66	Technical verification services (RSVTI) for heating plants of RD Iași	3,000.00	Direct purchasing	SC AGATECH
67	Replacement of condensate collector tank CT	800.00	Direct purchasing	SC Clima Therm
68	Winter tyres 215/65R16	1,740.00	Direct purchasing	SC SPRINT CAR
69	Winter tyres 265/65R17	10,384.00	Direct purchasing	SC DINAMIC 92 DISTRIBUTION
70	Duster and Pathfinder tyres	16,790.00	Direct purchasing	RAILEX SRL
71	A4 printer paper	10,800.00	Direct purchasing	SC LECOM BIROTICA ARDEAL
72	Car repair services	12,986.43	Direct purchasing	SC CASA AUTO VALEA LUPULUI

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73	Car service for Volkswagen	8,000.00	Direct purchasing	SC BRAS SRL
74	Car service for Toyota Landcruiser, Toyota Hilux	24,000.00	Direct purchasing	SC AUTO BEST CENTER SRL
75	Technical verification (VTP) of gas piping system for County Office VS	280.00	Direct purchasing	SC GAZ EST SA Vaslui
76	Technical verification (VTP) for heating plant and gas piping system of County Office BC	570.00	Direct purchasing	FAST TECHICAL ASSISTANCE SRL
77	Technical verification (VTP) of gas piping system for County Office BT	280.00	Direct purchasing	INSTAL-CON SRL
78	Technical verification (VTP) of gas piping system for County Office GL	280.00	Direct purchasing	SC GAZTERM PROIECT SRL
79	Technical verification (VTP) of gas piping system for County Office VN	280.00	Direct purchasing	SC TOPGAZ
80	Technical verification (VTP) of gas piping system for County Office BR	280.00	Direct purchasing	SC VERIFICARI GAZ INSTALATII SRL-D
81	Technical verification (VTP) of gas piping system for County Office NT	560.00	Direct purchasing	KLIMER SERV SRL
82	Technical verification (VTP) of gas piping system for County Office SV	280.00	Direct purchasing	INSTALATORUL SRL
83	Technical verification (VTP) of gas piping system for RD Iași	840.00	Direct purchasing	SC PRISMA SERV COMPACT SRL
84	Repair works, tyre mounting and balancing services; (winter-summer and summer/-winter) tyre curing services	4,586.00	Direct purchasing	SC SPRINT CAR
85	Repair and maintenance services for the heating plants at the ANCOM premises of Iaşi RD and of the County Offices	9,100.00	Direct purchasing	CLIMA THERM CENTER S.R.L.
86	Stationery	713.00	Direct purchasing	SHATTER SRL
87	Stationery	1,155.00	Direct purchasing	LECOM BIROTICA ARDEAL
88	Stationery	4,487.00	Direct purchasing	RTC PROFFICE EXPERIENCE
89	Stationery	2,826.00	Direct purchasing	ROVAL PRINT
90	Digital multimetre	1,490.00	Direct purchasing	adelaida impex
91	Zz tissue	5,000.00	Direct purchasing	PROFESSIONAL HORECA

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No.	Contract object	Amount VAT	Public procurement procedure	Winner
92	Power supply (laboratory power supply TWINTEX TP-6010), LAN tester, R3 accumulator, R3 batteries, digital clamp meter	4,885.00	Direct purchasing	CREATIVE OFFICE
93	Rapstrap, insulating tape, toilet flush mechanism, hedge cutter, repair materials	2,895.00	Direct purchasing	DEDEMAN SRL
94	Repair and technical verification services for air conditioning units at ANCOM's RD lasi and County Offices	13,000.00	Direct purchasing	KLIMER SERV SRL PATI CRIDVAL SRL
95	Repair and technical verification for alarms sand video surveillance systems at ANCOM's RD lasi and County Offices	10,170.00	Direct purchasing	CANEL SA
96	Toroidal transformer	400.00	Direct purchasing	CANEL SA
97	Maintenance, filter change and sanitation services for water filtering devices at ANCOM's laşi RD and County Office premises	6.600,00	Direct purchasing	SC WATER SET SRL
98	Window cleaning services for County Office BC, RD lasi	13,680.00	Direct purchasing	SOCIETATE COOPERATIVA MESTESUGAREASCA MODE CROLUX
99	DBT2 filter set	863.03	Direct purchasing	SC COMTEST SRI
100	Measurement connectors and cables	3,740.00	Direct purchasing	SC ROMKATEL SRL
101	Land registry services IAŞI	1,750.00	Direct purchasing	SC EXPERT TOPO CADASTRU SRL
102	Land registry services GALAŢI	1,500.00	Direct purchasing	DRADOINFOSURV SRL
103	Outdoor flags	4,752.00	Direct purchasing	SC DECORATIVA
104	Paper towels, bin bags	4,900.00	Direct purchasing	SC OTI Distribution lasi srl
105	Dishwasher fluid	220.00	Direct purchasing	SC ADISON COMPANY
106	Screen cleaning set	1,860.00	Direct purchasing	SC OFFICE MAX
107	TV LCD holder for ceiling	1,000.00	Direct purchasing	SC AV DIVISION SRL
108	Trimmer	130.00	Direct purchasing	STEFAN ALEX SRL

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109	Economic bulbs, LED beamer 50W	7,780.00	Direct purchasing	BEST WEB LED SHOP SRL
110	VRLA accumulators for UPS	8,000.00	Direct purchasing	IASI IT SRL
111	Battery 9V, battery R6, CRT Tv holder for ceiling	2,710.00	Direct purchasing	Quartz Matrix
112	Battery CR2016, CR2032, 23V, AC. R6	1,400.00	Direct purchasing	ELMA IMPEX
113	Anti-slide rugs and carpets	3,280.00	Direct purchasing	RUSARTIS SRL
114	Car batteries	2,988.00	Direct purchasing	SC MOLDOTRANS AUTO SA
115	Crocodile jack	1,500.00	Direct purchasing	SC PROMA MACHINERY SRL
116	Windscreen washing fluid; de-ice fluid	4,660.00	Direct purchasing	SC ROMIND PROIECT SRL
117	Repair works on ESE 10DW generator	3,415.00	Direct purchasing	SC ENDRESS GROUP ROMANIA
118	FR adapter	8,600.00	Direct purchasing	CHARMA CONECT
119	Air conditioning unit for County Office BR	1,950.00	Direct purchasing	AER CLIMA SRL
120	Air conditioning unit for Botesti site	1,950.00	Direct purchasing	IZOINSTAL SRL
121	Protection boots	15,900.00	Direct purchasing	RENANIA TRADE SRL
122	Fire extinguisher charging and verification services	1,222.00	Direct purchasing	ANGELS SRL
123	No-frost material	666.00	Direct purchasing	LAZADA INNOVATIVE SRL
124	Repair and maintenance services for power generator set	3,756.00	Direct purchasing	ANTARES INTERNATIONAL
125	ADD075 (series 100869) antenna repair services	33,642.96	Direct purchasing	SC ROHDE&SCHWARZ ROMANIA
126	Vulcanisation services	50.42	Direct purchasing	MIRA SERVICE SRL
127	Land registry office fees	35.00	Exempted services	OCPI Iași
128	Land registry office fees	20.00	Exempted services	OCPI Iași
129	Land registry office fees	60.00	Exempted services	OCPI Galați

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130	Land registry office fees	20.00	Exempted services	OCPI Neamţ
131	Land registry office fees	20.00	Exempted services	OCPI Neamț
132	Land registry office fees	20.00	Exempted services	OCPI Vaslui
133	Land registry office fees	20.00	Exempted services	OCPI Galați
134	Land registry office fees	40.00	Exempted services	OCPI Bacău
135	Land registry office fees	20.00	Exempted services	OCPI Brăila
136	Land registry office fees	20.00	Exempted services	OCPI Suceava
137	Land registry office fees	20.00	Exempted services	OCPI Vrancea
138	Document authentication fee	10.00	Exempted services	Societate Profesională Notarială Daniela Bădărău și Asociații Iași
139	Road vignette	7,965.11	Exempted services	CNAIR - DRDP Iași
140	Garbage clearance fee for County Office SV	108.00	Exempted services	Mayoralty of Mun. Suceava
141	Garbage clearance fee for County Office BC	480.00	Exempted services	Mayoralty of Mun. Bacău
142	Animal Control fee for County Office GL	56.00	Exempted services	Mayoralty of Mun. Galați
143	Gendarmerie guard services for RD lasi	214,269.60	Social services	UM 0908 Jandarmi Iaşi
144	Space rental services - measurement site NT	18,204.00	Exempted services	Pavel Mihai
145	Space rental services - measurement site BT (TSM)	25,200.00	Exempted services	SCDO Popăuți
146	Space rental - measurement site VN	19,550.03	Exempted services	CUP Focșani
147	Space rental services for measurement equipment GL	3,000.00	Exempted services	Asociația Proprietari 127 Galați
148	Space rental services for measurement equipment IS	6,000.00	Exempted services	Mănăstirea Galata Iași
149	Access path rental services for County Office NT	836.00	Exempted services	Primăria Mun. Neamț
150	Parking services County Office NT	574.78	Exempted services	Parking SA Neamţ

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No.	Contract object	Amount VAT not included	Public procurement procedure	Winner
151	Parking services RD Iași - C. Negri	4,621.85	Exempted services	Primăria Mun. Iași
152	Garbage clearance services RD Iași	3,518.66	Exempted services	Salubris SA Iași
153	Garbage clearance services County Office VS	292.66	Exempted services	Goscom Vaslui SA
154	Garbage clearance services County Office VN	200.69	Exempted services	CUP Salubritate SRL
155	Garbage clearance services County Office NT	171.29	Exempted services	Brantner Servicii Ecologice SA
156	Garbage clearance services County Office BT	852.55	Exempted services	Urban Serv SA Botoşani
157	Garbage clearance services County Office GL	926.19	Exempted services	Serv. Public Ecosal Galați
158	Water/sewerage distribution services RD Iași	3,844.44	Exempted services	Apavital SA Iași
159	Water/sewerage distribution services County Office VS	779.96	Exempted services	Aquavas SA Vaslui
160	Water/sewerage distribution services County Office BR	232.19	Exempted services	CUP Dunărea Brăila
161	Water/sewerage distribution services County Office VN	118.93	Exempted services	CUP Focșani
162	Water/sewerage distribution services County Office GL	259.34	Exempted services	Apa Canal SA Galați
163	Water/sewerage distribution services County Office BC	424.90	Exempted services	Compania Regională de Apă Bacău
164	Water/sewerage distribution services County Office BT	494.46	Exempted services	Nova Apaserv Botoşani

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Table 14.5. List of purchase orders/contracts concluded in 2018 - RD Cluj - Operational expenses

No.	Object of the contract	Amount, RON	Procurement procedure	Winner
1	Contracts and addenda for guard services on monitoring sites	520,968.96	Exempted services	VANGUARD SECURITY SERVICES SRL
2	Orders - car technical inspection	1,870.00	Direct purchase	PROFI AUTO SRL;
3	Order - car technical inspection	336,00	Direct purchase	EUROSIG SRL
4	Orders - business entertainment items - 8 orders	2,142.39	Direct purchase	METRO CASH&CARRY ROMANIA SRL
5	Addendum no.2/2018, cleaning services (February+March+April)	2,394.00	Direct purchase	ACIS INVEST SRL
6	Addendum no.2/2018, cleaning services (February+March+April)	6,750.00	Direct purchase	TERRA CLEAN SERVICE SRL
7	Addendum no.2/2018, cleaning services (February+March+April)	11,592.00	Direct purchase	DEZINFER SERVICES SRL
8	Addendum no.2/2018, cleaning services (February+March+April)	16,069.59	Direct purchase	GALANO PREST SRL
9	Tyre orders - 3 orders	9,481.40	Direct purchase	ANVELOMAG TOP AUTO SRL
10	Order - summer tyres	1,603.32	Direct purchase	RIVIERA GRUP SRL
11	Contract and addendum - car maintenance and repair services	114,742.50	Open tender	ALEX AUTO SERVICE SRL
12	Contract and addendum - cleaning services at ANCOM's RD Cluj premises (CJ, MS)	38,530.00	Open tender	ACIS INVEST SRL
13	Contract and addendum cleaning services at ANCOM's RD Cluj premises (BN, AB, BH, SB)	31,451.00	Open tender	DEZINFER SERVICES SRL
14	Contract and addendum cleaning services at ANCOM's RD Cluj premises (MM and HR)	18,389.00	Open tender	ALFA&OMEGA GROUP SRL
15	Contract and addendum cleaning services at ANCOM's RD Cluj premises (SJ)	10,500.00	Open tender	GALANO PREST SRL
16	Order - car first aid kits	138.50	Direct purchase	VESTA INVESTMENT SRL
17	Order - smart monitoring relay	374.00	Direct purchase	VOLTA MARINE SRL
18	Order - medical tests services for drivers	1,200.00	Direct purchase	MEDSTAR SRL
19	Order - chimney cleaning services	240.00	Direct purchase	LAKATOS RESTEG VINCE PFA
20	Order - gas piping verification, AB	35.29	Direct purchase	EK INSTAL GAZ SRL
21	Order - heating plant verification, BH	420.00	Direct purchase	ALCANO IMPEX SRL

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No.	Object of the contract	Amount, RON	Procurement procedure	Winner
22	Order - heating plant verification, HR and MS	1,150.00	Direct purchase	GETINSTAL SRL
23	Order - car wash services, SJ	630.00	Direct purchase	FINROAD COS SRL D SRL;
24	Order - car wash services, SM	1,260.00	Direct purchase	DAN ACIU SRL
25	Order - car wash services, SB	1,260.00	Direct purchase	CEVICON SRL
26	Order - car wash services, MS	1,260.00	Direct purchase	ZSOLT SRL
27	Order - car wash services, MM	1,260.00	Direct purchase	ENJOY SRL
28	Order - car wash services, HR and CV	2,610.00	Direct purchase	DELFIN AUTOMOSO SRL
29	Order - car wash services, BN	1,260.00	Direct purchase	MATEROM AUTOMOTIVE SRL
30	Order - car wash services, BH	1,980.00	Direct purchase	ALYMAD SRL
31	Order - car wash services, AB	1,260.00	Direct purchase	APULUM CAR WASH SRL
32	Order - mounting, balancing and tyre curing services, MS	440.00	Direct purchase	MONDO TRADE SRL
33	Order - mounting, balancing and tyre curing services, AB	520.00	Direct purchase	GIRO SRL;
34	Order - mounting, balancing and tyre curing services, BN	440.00	Direct purchase	MATEROM AUTOMOTIVE SRL
35	Order - mounting, balancing and tyre curing services (m>3.5 tons), HR	440.00	Direct purchase	SZA-KI-GUMI-SERVICE SRL
36	Order - mounting, balancing and tyre curing services (m>3.5 tons), HR	680.00	Direct purchase	SIGMA GUM SRL
37	Order - mounting, balancing and tyre curing services, MM	520.00	Direct purchase	SENECA PROD SRL
38	Order - mounting, balancing and tyre curing services, BH	700.00	Direct purchase	VLADINA PREST SRL
39	Order - mounting, balancing and tyre curing services, CV	260.00	Direct purchase	SERVICII D&D SRL
40	Order - mounting, balancing and tyre curing services, SM	440.00	Direct purchase	EMMA MOTORS SRL
41	Order - mounting, balancing and tyre curing services, SJ	260.00	Direct purchase	BRANDO COM SRL
42	Order - mounting, balancing and tyre curing services, CJ 1	4,280.00	Direct purchase	EDICOMPANY SRL
43	Order - cable supply	3,528.00	Direct purchase	DEDEMAN SRL
44	Order - halogen projector	1,035.00	Direct purchase	YOUNG D.S. SRL

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No.	Object of the contract	Amount, RON	Procurement procedure	Winner
45	Order - LED projector	1,520.00	Direct purchase	PROFI ELECTRO PAVCONS SRL
46	Contract - out-of-warranty car service	105,760.00	Direct purchase	ALEX AUTO SERVICE SRL
47	Order - printers and printer paper	7,617.60	Direct purchase	AGRESSIONE GROUP SRL
48	Order – technical filters	857.00	Direct purchase	COMTEST SRL
49	Contract - contract installation works at ANCOM premises of RD Cluj	114,473.00	Direct purchase	ELECTROPLUS SRL
50	Contract - refurbishment works at County Office BH	43,308.97	Direct purchase	SERVIO PROD IMP.EXP. SRL
51	Order - air conditioning unit	3,945.80	Direct purchase	SMA. SILVANA SRL-D
52	Order - car wash services, CJ	8,960.00	Direct purchase	ZI DE ZI SRL
53	Order - heating plant verification, SB	750.00	Direct purchase	AFA PROD IMPEX SRL
54	Order - gas piping verification, MS	186.56	Direct purchase	GETINSTAL SRL
55	Order - digital multimetre	3,492.30	Direct purchase	VITACOM ELECTRONICS SRL
56	Order - chargers, accumulators	612.00	Direct purchase	ATUM NETWORK SRL
57	Order - cleaning services, SM	6,600.00	Direct purchase	BUSINESS MB EXIM SRL
58	Order - regular verification services on the gas piping of County Office BH	700.00	Direct purchase	SANMAR INSTAL SRL
59	Order - regular verification services on the gas piping of County Office SB	750,00	Direct purchase	INSTAL SIB SRL
60	Order - regular verification services on the gas piping of County Office CJ	1.090,00	Direct purchase	DIA TERMO INSTAL VEST SRL
61	Order - accumulators, 12v 7ah	7,296.76	Direct purchase	CHIMSZED INVEST SRL
62	Order – batteries, 9 v	101.37	Direct purchase	CHIMSZED INVEST SRL
63	Order - accumulators	1,180.00	Direct purchase	SAWEXIM SRL
64	Order - accumulators 12V 5 AH	6,610.71	Direct purchase	GLOBE STAR TRADE SRL
65	Order - heating plant service, BN	795.00	Direct purchase	MOBIL SERV SRL
66	Order - heating plant service, CJ, AB, BH, HR, MM, MS, SM, SJ, SB.	8,750.00	Direct purchase	AFA PROD IMPEX SRL
67	Order - protection equipment	17,203.00	Direct purchase	RIVER TRADE&SERVICES SRL

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No.	Object of the contract	Amount, RON	Procurement procedure	Winner
68	Order - car battery supply and mounting	1,949.56	Direct purchase	PRINCIPAL AUTO SRL
69	Order - extension cord, 6m, 6 plugs	625.00	Direct purchase	DEDEMAN SRL
70	Order - extension cords, plugs, bulbs, tubes, starters	1,859.51	Direct purchase	PROFI ELECTRO PAVCONS SRL
71	Order - water dispenser maintenance	6,160.00	Direct purchase	WATER SET SRL
72	Order - plastic card	512.00	Direct purchase	QUANTSOFT SRL
73	Order - flags	679.20	Direct purchase	SUPREMOFFICE SRL
74	Order - drain&sewer services	252.10	Direct purchase	APASERV SARU MARE SA
75	Order - stationery items	6,892.24	Direct purchase	SUPREMOFFICE SRL
76	Order – car air freshener	1,406.00	Direct purchase	PASTIU POP NICOLAE ADRIAN PFA
77	Order - car compressor, cable, shovels, axes, car seat cover	4,162.30	Direct purchase	DEDEMAN SRL
78	Order – air conditioning cleaner spray, windscreen anti-frost washer fluid, car brush, wipes, scraper	1,105.45	Direct purchase	DEDEMAN SRL
79	Order – car tyres	2,510.00	Direct purchase	BIBACO TOTAL SRL
80	Order - bagless vacuum cleaner	3,444.00	Direct purchase	ALTEX ROMANIA SRL
81	Order - antiskid chains	720.00	Direct purchase	ALEX AUTO SERVICE SRL
82	Order - road salt 25 kg	343.80	Direct purchase	SUPREMOFFICE SRL
83	Order - car battery charger	598.00	Direct purchase	DIOV NEW SOLUTION SRL
84	Order - maintenance and repair services for Toyota	1,876.00	Direct purchase	PROFI AUTO SRL
85	Order - flannel dust cloth	117.00	Direct purchase	TESGAR SRL
86	Order - handwash paste, steel bin	387.21	Direct purchase	DEDEMAN SRL
87	Order - maintenance and repair services for Dacia Logan	10,940.00	Direct purchase	ALEX AUTO SERVICE SRL
88	Order - maintenance and repair services for Dacia Duster	7,670.00	Direct purchase	SERVICE AUTOMOBILE 2 CLUJ SA

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No.	Object of the contract	Amount, RON	Procurement procedure	Winner
89	Order - maintenance and repair services for Renault	1,400.00	Direct purchase	SERVICE AUTOMOBILE 2 CLUJ SA
90	Order - DVR	1,550.96	Direct purchase	SELECT IT SRL
91	Order - soap dispenser, cork board	179.30	Direct purchase	SUPREMOFFICE SRL
92	Order - crimping pliers, stripper, power supply units, soldering gun, tester	1,352.94	Direct purchase	DIPOL CONNECT SRL
93	Order - semi-professional vacuum cleaner	1,672.27	Direct purchase	SHARK TECHNOLOGY SRL
94	Order - fire extinguisher charging and verification	1,680.00	Direct purchase	RIVER TRADE&SERVICES SRL
95	Order - law speciality books	327.00	Direct purchase	LIBRĂRIILE HAMANGIU SRL
96	Order - hydrant maintenance services	1,080.00	Direct purchase	FIRE&RESCUE SERVICES SRL SRL
97	Extension of contract no. 1059/23.01.2002 for office space rental - County Office CV, February and March 2018	2,218.27	Exempted services	Consic SA
98	Extension of contract no. DRC/5239/26.05.2014 for garage rental - County Office CV car: February and March 2018	345.10	Exempted services	Consic SA
99	Extension of contract no. 403/16536/29.11.2002 land rental for transportable spectrum monitoring station: February and March 2018	697.22	Exempted services	Vital SA
100	Extension of contract no. DRC/10762/21.12.2012 space rental for the installation of communications equipment and antenna - February and March 2018	1,000.00	Exempted services	Asociația de Proprietari Cloșca 15, Alba Iulia
101	Extension of contract no. DRC/8930/12.09.2014 space rental for the installation of the fixed reception station of the monitoring system: February and March 2018	3,570.00	Exempted services	Serim Impex SRL
102	Extension of contract no. DRC/8929/12.09.2014 space rental for the installation of the fixed reception station of the monitoring system: February and March 2018	3,260.23	Exempted services	Asociația de Proprietari str. Gh. Dima nr. 5A
103	Addendum to Contract no. 451/02.03.2012 on amending garbage clearance tariffs based on Local Council Decision 9/2017	250,00	Exempted services	Eco-Csik SRL
104	Addendum to Contract no. 007308/01.06.2011 on amending garbage clearance tariffs based on Oradea Local Council Decision March-April	700,00	Direct purchasing	Rer Ecologic Service Oradea SA
105	Extension of Contract no. 1059/23.01.2002 office space rental for County Office CV: April – June 2018	3,328.77	Exempted services	Consic SA

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No.	Object of the contract	Amount, RON	Procurement procedure	Winner
106	Extension of Contract no. DRC/5239/26.05.2014 garage rental for ANCOM's County Office CV car: April - June 2018	517.65	Exempted services	Consic SA
107	Extension of Contract no. 403/16536/29.11.2002 land rental for transportable spectrum monitoring station: April-June 2018	1,046.02	Exempted services	Vital SA
108	Extension of Contract no. DRC/10762/21.12.2012 space rental for the installation of communications equipment and antenna - April-June 2018	1,500.00	Exempted services	Asociația de Proprietari Cloșca 15, Alba Iulia
109	Extension of Contract no. DRC/8930/12.09.2014 space rental for the installation of the fixed reception station of the monitoring system: April-June 2018	5,355.00	Exempted services	Serim Impex SRL
110	Extension of Contract no. DRC/8929/12.09.2014 space rental for the installation of the fixed reception station of the monitoring system: April-June 2018	4,893.20	Exempted services	Asociația de Proprietari str. Gh. Dima nr. 5A
111	Contract 11697/27.04.2018 on amending garbage clearance tariffs based on Oradea Local Council Decision, starting May 2018	600.00	Direct purchasing	Rer Ecologic Service Oradea SA
112	Extension of Contract no. 1059/23.01.2002 office space rental for County Office CV: July-December 2018	6,665.69	Exempted services	Consic SA
113	Extension of Contract no. DRC/5239/26.05.2014 garage rental for ANCOM's County Office CV car: July - December 2018	1,035.30	Exempted services	Consic SA
114	Extension of Contract no. 403/16536/29.11.2002 land rental for transportable spectrum monitoring station: July-December 2018	2,093.25	Exempted services	Vital SA
115	Extension of Contract no. DRC/10762/21.12.2012 space rental for the installation of communications equipment and antenna: July-December 2018	3,000.00	Exempted services	Asociația de Proprietari Cloșca 15, Alba Iulia
116	Extension of Contract no. DRC/8930/12.09.2014 space rental for the installation of the fixed reception station of the monitoring system: July-December 2018	10,710.00	Exempted services	Serim Impex SRL
117	Extension of Contract no. DRC/8929/12.09.2014 space rental for the installation of the fixed reception station of the monitoring system: July-December 2018	9,803.54	Exempted services	Asociația de Proprietari str. Gh. Dima nr. 5A
118	Contract DRC/2031/05.07.2018 for drinking water and sewerage services	333,09	Direct purchasing	Vital SA
119	Extension of Commodatum Contract - land rental for transportable spectrum monitoring station	0.00	Exempted services	Aquabis SA
120	Extension of Commodatum Contract - land rental for transportable spectrum monitoring station	0.00	Exempted services	Gospodarie Comunala SA

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No.	Object of the contract	Amount, RON	Procurement procedure	Winner
121	Contract DRC/2763/28.09.2018 - space rental for transportable spectrum monitoring station, syder-type: October-December 2018	2,786.48	Direct purchasing	Vital SA
122	Extension of Contract no. 1059/23.01.2002 office space rental for County Office CV: January 2019	1,348.20	Exempted services	Consic SA
123	Extension of Contract no. DRC/5239/26.05.2014 garage rental for ANCOM's County Office CV car: January 2019	172.55	Exempted services	Consic SA
124	Extension of Contract no. 403/16536/29.11.2002 land rental for transportable spectrum monitoring station – January 2019	1,039.00	Exempted services	Vital SA
125	Extension of Contract no. DRC/10762/21.12.2012 space rental for the installation of communications equipment and antenna: January 2019	500.00	Exempted services	Asociația de Proprietari Cloșca 15, Alba Iulia
126	Extension of Contract no. DRC/8930/12.09.2014 space rental for the installation of the fixed reception station of the monitoring system: January 2019	1,785.00	Exempted services	Serim Impex SRL
127	Extension of Contract no. DRC/8929/12.09.2014 space rental for the installation of the fixed reception station of the monitoring system: January 2019	1,662.36	Exempted services	Asociația de Proprietari str. Gh. Dima nr. 5A
128	Orders - road vignettes for the car fleet of RD Cluj	10,123.88	Exempted services	CNAIR DRDP Cluj

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Table 14.6. List of purchase orders/contracts concluded in 2018 -RD Timiş - Operational expenditure

No.	Object of the contract	Amount RON, VAT not included	Public procurement procedure	Winner
1	Contract - tablet supply	24,360.00	Open tender	A.M.S. Expert Consult SRL
2	Addendum - car service - February-April: Dacia, Renault	21,000.00	Open tender	Autoglobus 2000 SRL
3	Addendum - car service - February-April: Nissan, Mercedes, VW, Toyota	10,750.00	Open tender	Autoglobus 2000 SRL
4	Contract: cleaning services - County Office HD and Addendum 1 for January 2019	7,912.00	Open tender	GSG Security Prim SRL
5	Contract: cleaning services - County Office MH and Addendum 1 for January 2019	6,933.28	Open tender	Dezinfer Service SRL
6	Contract: cleaning services - County Office CS and Addendum 1 for January 2019	6,933.28	Open tender	Dezinfer Service SRL
7	Contract for car service - Dacia and Renault, and Addendum 1 for January 2019	56,150.00	Open tender	Autoglobus 2000 SRL
8	Order - technical verification services (RSVTI): February-December 2018	1,650.00	Direct purchasing	IVPROD - ST. SM. PI. SRL
9	Order - check-up services for water dispensers	2,486.00	Direct purchasing	Water Set SRL
10	Order - car wash services for County Office DJ: February - December 2018	1,220.17	Direct purchasing	Riv Service SRL
11	Order - hygiene and sanitary supplies	372.40	Direct purchasing	DNS Birotica SRL
12	Car technical verification services (ITP)	1,543.20	Direct purchasing	Societatea de Transport Public Timisoara SA
13	Order - car wash services for County Office CS: February - December 2018	400.40	Direct purchasing	Margo SRL
14	Order - car wash services for County Office GJ: February - December 2018	655.60	Direct purchasing	G&G Impex SRL
15	Order - car wash services for County Office HD: February - December 2018	924.00	Direct purchasing	Service Automobile SA
16	Order - car wash services for County Office MH: February - December 2018	506.00	Direct purchasing	Car Wash Den SRL
17	Order - car wash services for RD Timis: February-December 2018	5,610.00	Direct purchasing	Anghelus SRL
18	Order - parking services: March-Decembrie 2018	1,720.60	Direct purchasing	Drumuri Municipale Timisoara SA
19	Order - fire extinguishers	2,697.50	Direct purchasing	Aninoasa Tim SRL
20	Order - business entertainment items: February-August	2,201.20	Direct purchasing	Metrou Cash&carry Romania SRL

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No.	Object of the contract	Amount RON, VAT not included	Public procurement procedure	Winner
21	Order - airport parking: March-December 2018	420.17	Direct purchasing	Aeroportul International Traian Vuia Timisoara SA
22	Order - bin bags	280.00	Direct purchasing	Asociatia Exte SRL
23	Order - gas piping verification: County Office HD	100.00	Direct purchasing	Instalatii Gevis SRL
24	Order - gas piping verification: County Office DJ	180.00	Direct purchasing	AB Instal SRL
25	Order: clear sheet protector, plastic binder folders, puncher, text marker	2,796.20	Direct purchasing	RTC Proffice Experience SA
26	Order: tyre change services - RD Timis	1,795.20	Direct purchasing	Anghelus SRL
27	Order: tyre change services - County Office HD	84.04	Direct purchasing	Service Automobile SA
28	Order: tyre change services - County Office GJ	160.00	Direct purchasing	Lazar Service Com SRL
29	Order: tyre change services - County Office MH	79.83	Direct purchasing	Frank Activ SRL
30	Order: tyre change services - County Office DJ	160.00	Direct purchasing	Ion Service Center SRL
31	Order: tyre change services - County Office AR	160.00	Direct purchasing	Rafido Car 2015 SRL
32	Order: rulers, staplers, ball point pens, staples	2,416.10	Direct purchasing	Office Max SRL
33	Order: tyre change services - County Office CS	67.23	Direct purchasing	Margo SRL
34	Order - accumulator Fantanele site	355.00	Direct purchasing	Endress Group Romania SA
35	Order - insecticide spray	84.60	Direct purchasing	Metro Cash&Carry Romania SRL
36	Order - attenuator, attenuator boxes	36,904.00	Direct purchasing	Comtest SRL
37	Order - archiving covers	1,280.00	Direct purchasing	Fedex Print Paper SRL
38	Order - paper, envelopes, binders and archiving boxes	9029.80	Direct purchasing	Sof Service SRL
39	Order - antenna rep	4,500.00	Direct purchasing	Comtest SRL
40	Order - maintenance and repair on alarm systems of RD Timis	1,840.00	Direct purchasing	Life Safety Consultans SRL
41	Order - maintenance and repair on warranty alarm systems	900.00	Direct purchasing	Life Safety Consultans SRL

No.	Object of the contract	Amount RON, VAT not included	Public procurement procedure	Winner
42	Order - maintenance and repair on alarm systems of County Office Arad	1,300.00	Direct purchasing	Life Safety Consultans SRL
43	Order - maintenance and repair on alarm systems of County Office CS	1,300.00	Direct purchasing	Life Safety Consultans SRL
44	Order - plants, potting soil, fertilizer	658.00	Direct purchasing	Glissando Garden Center
45	Order - flower pots	149.75	Direct purchasing	Dedeman SRL
46	Order - air conditioning unit service	22,770.00	Direct purchasing	EIG Clima SRL
47	Order - universal square rule	38.50	Direct purchasing	Dedeman SRL
48	Order - electrodes, cutting disk	297.80	Direct purchasing	Dedeman SRL
49	Order - paint, ground coat, sink	543.76	Direct purchasing	Dedeman SRL
50	Contract - roof repair works for the premises in Horia 24	47,000.00	Direct purchasing	Eisen Land SRL
51	Order - pressure cleaner for County Office HD	1,553.78	Direct purchasing	Dedeman SRL
52	Order - repair services on the alarm systems of County Office MH	3,300.00	Direct purchasing	Hobi Powervolt SRL
53	Order - repair services on the alarm systems of County Office HD	1,500.00	Direct purchasing	Hobi Powervolt SRL
54	Order - repair services on the alarm systems of County Office DJ	1,600.00	Direct purchasing	Hobi Powervolt SRL
55	Order - repair services on the alarm systems of County Office GJ	1,500.00	Direct purchasing	Hobi Powervolt SRL
56	Order - pulley and pulley support	2,545.17	Direct purchasing	CNB Innovation Technology SRL
57	Order - repair material	468.84	Direct purchasing	Dedeman SRL
58	Order - painting works of County Office CS	10,990.00	Direct purchasing	Ving Group Solutions SRL
59	Order - technical verification on the heating plant of County Office CS	150.00	Direct purchasing	Dia Termo Instal Vest SRL
60	Contract - cleaning services: July-December County Office GJ	4,440.00	Direct purchasing	Cleancov Sol SRL-D
61	Contract - cleaning services: July-December County Office DJ	4,380.00	Direct purchasing	Rapavi SRL-D
62	Order - batteries	803.40	Direct purchasing	F64 Studio SRL

No.	Object of the contract	Amount RON, VAT not included	Public procurement procedure	Winner
63	Order - filter set	857.00	Direct purchasing	Comtest SRL
64	Order - lawn fertilizer, herbicide	678.00	Direct purchasing	Glissando Garden Center SRL
65	Order: maintenance, repair and commissioning power generator set	3,765.00	Direct purchasing	Endress Group Romania SA
66	Order - maintenance, repair and verification services for the heating plant of County Office HD	1,340.00	Direct purchasing	Instalatii Gevis SRL
67	Order - lighting fixtures for the premises in Horia 32	17,649.00	Direct purchasing	Electro Instal Grup SRL
68	Order - polycarbonate tiles	1,000.64	Direct purchasing	Dedeman SRL
69	Order - digital multimeter	145.37	Direct purchasing	Dante International SRL
70	Order - LED SMS TV sets	737.78	Direct purchasing	Evolution Prest Systems SRL
71	Order - fire extinguisher verification and charging services	214.50	Direct purchasing	Aninoasa Tim SRL
72	Contract - cleaning services for County Office AR: August -December 2018	3,750.00	Direct purchasing	Sferamun SRL
73	Contract - generator sets repair works	2,940.00	Direct purchasing	Endress Group Romania SA
74	Order - hygiene and sanitary materials	2,487.54	Direct purchasing	Great Protection SRL
75	Order - generator set accumulators	442.19	Direct purchasing	Sorgeti SRL
76	Order: UPS accumulators	559.68	Direct purchasing	Corsar Online SRL
77	Contract - generator set service: Horia 32	4,780.00	Direct purchasing	Endress Group Romania SA
78	Contract - generator set service: Horia 24	4,780.00	Direct purchasing	Endress Group Romania SA
79	Order - lawn mower for County Office GJ	470.58	Direct purchasing	Dante International SRL
80	Order - motherboard: Samsung monitor	470.59	Direct purchasing	Eta 2U SRL
81	Contract - technical expertise for Horia 32	4,900.00	Direct purchasing	H.C.&D. Construct SRL
82	Order - air conditioning units for County Office GJ	8,240.00	Direct purchasing	Comtec SRL
83	Order - stamps for County Offices	695.82	Direct purchasing	Gallprint SRL
84	Order - sewerage works for Horia 24	13,013.39	Direct purchasing	Instexpro SRL

No.	Object of the contract	Amount RON, VAT not included	Public procurement procedure	Winner
85	Order: outdoor siren, accumulator	264.53	Direct purchasing	Spyshop SRL
86	Order: fire extinguisher	171.00	Direct purchasing	Aninoasa Tim SRL
87	Contract: land registry services - County Office DJ	1,450.00	Direct purchasing	larytop-Survey SRL
88	Contract: land registry services - County Office CS	1,420.00	Direct purchasing	Goruian Ovidiu Alin
89	Order: paint, silicone	104.25	Direct purchasing	Dedeman SRL
90	Order: trimmer, rake, ladder, hose, hammer drill	1,987.26	Direct purchasing	Dedeman SRL
91	Order: masking tape, masking sheet and stretch	868.40	Direct purchasing	Dedeman SRL
92	Contract heating plant service for RD Timis, Horia 24	6,500.00	Direct purchasing	Olivia Therm Confort SRL
93	Contract heating plant service for RD Timis, Horia 32	1,350.00	Direct purchasing	Olivia Therm Confort SRL
94	Contract heating plant service for County Office CS	1,350.00	Direct purchasing	Olivia Therm Confort SRL
95	Order - snow blower County Office DJ	360.06	Direct purchasing	Praktiker Romania SA
96	Contract - painting works: Horia 24	22,000.00	Direct purchasing	Inter Excelic SRL
97	Order - pulley and pulley support, SMS	2,545.17	Direct purchasing	CNB Innovation Technology SRL
98	Order - technical verification on the heating plant of County Office MH	250.00	Direct purchasing	Conins SRL
99	Order - soldering station	331.00	Direct purchasing	Mondo Plast
100	Contract – car service for VW, Nissan, Toyota, Mercedes: October-December	28,346.00	Direct purchasing	AutoKlass Center SRL
101	Order - tyre change services for County Office DJ	160.00	Direct purchasing	Ion Service Center SRL
102	Order - tyre change services for County Office HD	140.00	Direct purchasing	Lazar & Company SRL
103	Order - tyre change services for County Office CS	67.23	Direct purchasing	Margo SRL
104	Order - tyre change services for County Office AR	160.00	Direct purchasing	Rafido Car 2015 SRL
105	Order - tyre change services for County Office GJ	160.00	Direct purchasing	Lazar Service Com SRL

No.	Object of the contract	Amount RON, VAT not included	Public procurement procedure	Winner
106	Order - tyre change services for County Office MH	79.83	Direct purchasing	Frank Activ SRL
107	Order - tyre change services for RD Timis	2,256.00	Direct purchasing	Anghelus SRL
108	Order - UPS SMS	419.32	Direct purchasing	Corsar Online SRL
109	Order: amplifier SMS	457.45	Direct purchasing	Romaudiovideo SRL
110	Order: sink tap, wash basin tap, toilet seat	2,294.13	Direct purchasing	Dedeman SRL
111	Order: technical books	2,380.95	Direct purchasing	IST Ultra SRL
112	Order: ground coat, adhesive solution	144.10	Direct purchasing	Dedeman SRL
113	Order: accumulators SMS	1,613.28	Direct purchasing	Corsar Online SRL
114	Order: tap and die set	376.62	Direct purchasing	Casa Ideea Group SRL
115	Contract: garage door repair works for Horia 32	13,020.00	Direct purchasing	RH Solutions SRL
116	Order: garage door repair works for County Office CS	680.00	Direct purchasing	3 D plast Viocris SRL
117	Order: toilet paper	2,154.00	Direct purchasing	Gloria Market SRL
118	Order: car air freshener	497.50	Direct purchasing	AD Auto Total SRL
119	Order: bin bags, cleaning cloth, air freshener	955.30	Direct purchasing	DNS Birotica SRL
120	Order: gas piping technical verification services	100.84	Direct purchasing	Heat Energy Service SRL
121	Order: windshield washing fluid	540.00	Direct purchasing	AD Auto Total SRL
122	Order: fire extinguisher charging and verification services	102.55	Direct purchasing	Aninoasa Tim SRL
123	Order: road salt	77.00	Direct purchasing	Pluridet Comexim SRL
124	Order: protection equipment	6,780.00	Direct purchasing	Mondo Industry SRL
125	Order: heating plant technical verification services - Horia 24 and 32	440.00	Direct purchasing	Olivia Therm Confort SRL
126	Order: protection equipment	11,488.00	Direct purchasing	Artica SRL

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No.	Object of the contract	Amount RON, VAT not included	Public procurement procedure	Winner
127	Order: road salt	102.00	Direct purchasing	Rogvaiv SRL
128	Order: tool kits	308.00	Direct purchasing	Intersection SRL
129	Order: paint, timber	188.64	Direct purchasing	Dedeman SRL
130	Order: BE radio	416.00	Direct purchasing	Altex Romania SRL
131	Order: SMS connectors	920.00	Direct purchasing	Romkatel SRL
132	Order: snow shovels, small hoe for County Office HD	172.44	Direct purchasing	Dedeman SRL
133	Order: radiator replacement works on County Office GJ	864.00	Direct purchasing	Comtec SRL
134	Order: heating plant technical verification services on County Office GJ	250.00	Direct purchasing	Tehnoinstal SRL
135	Order: handheld flashlight	79.00	Direct purchasing	Inter-Line Company SRL
136	Order: toilet brush, brooms	200.71	Direct purchasing	Dedeman SRL
137	Order: door locks, door handles, adaptor	163.75	Direct purchasing	Dedeman SRL
138	Order: carpet glue, montagekit, toilet flush mechanism	72.84	Direct purchasing	Dedeman SRL
139	Order: binding services	120.00	Direct purchasing	Imprimeria Mirton SRL
140	Addendum: guard services County Office GJ - February 2018	140.00	Direct purchasing	TMG Guard DRL
141	Addendum: guard services County Office AR HD CS - February 2018	300.00	Direct purchasing	Mike Security Group SRL
142	Addendum: guard services County Office MH - February 2018	280.00	Direct purchasing	Vigilent Security Tehnic SRL
143	Addendum: guard services County Office DJ - February 2018	120.00	Direct purchasing	Civitas DIR SRL
144	Contract - guard services County Office GJ - March-December 2018 and Addendum 1 for January 2019	1,540.00	Direct purchasing	TMG Guard SRL
145	Contract: guard services for County Office MH - March-December 2018 and Addendum 1 for January 2019	3,300.00	Direct purchasing	Vigilent Security Tehnic SRL
146	Contract: guard services for County Office DJ - March-December 2018 and Addendum 1 for January 2019	1,650.00	Direct purchasing	Civitas DIR SRL

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No.	Object of the contract	Amount RON, VAT not included	Public procurement procedure	Winner
147	Contract: guard services for County Office AR - March-December 2018 and Addendum 1 for January 2019	1,100.00	Direct purchasing	TMG Point Control SRL
148	Contract: guard services for County Office HD - March-December 2018 and Addendum 1 for January 2019	1,100.00	Direct purchasing	TMG Point Control SRL
149	Contract: guard services for County Office CS - March-December 2018 and Addendum 1 for January 2019	1,100.00	Direct purchasing	TMG Point Control SRL
150	Contract: space rental for RD Timiş - February - December 2018 + Addendum 1 - January 2019	6,719.84	Exempted services	Bega Invest SA
151	Contract: space rental for RD Timiş - February - December 2018 + Addendum 1 - January 2019	3,892.07	Exempted services	Primăria Comunei Săcălaz
152	Contract: space rental for RD Timiş - February - December 2018 + Addendum 1 - January 2019	20,810.60	Exempted services	Kathrein România SRL
153	Contract: space rental for County Office HD - February - December 2018 + Addendum 1 - January 2019	9,097.10	Exempted services	Apa Serv Valea Jiului SA
154	Contract: space rental for County Office GJ - February - December 2018 + Addendum 1 - January 2019	20,964.00	Exempted services	Spital Pneumoftiziologie Td. Vladimirescu
155	Orders: road vignettes for 2018	7,373.71	Exempted services	CNAIR
156	Contract: sewerage services for County Office GJ	321.73	Exempted services	Aparegio Gorj SA
157	Contract: garbage clearance services for County Office CS	355.31	Exempted services	Bratner Servicii Ecologice SRL
158	Contract: garbage clearance services for RD Timis, Horia 24+32	4,343.11	Exempted services	Retim Ecologic Service SA
159	Contract: garbage clearance services for County Office GJ	91.10	Exempted services	Polaris M Holding SRL

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Conducting the 5G auction, transposing at national level the European legal provisions, respectively the new European Electronic Communications Code and the European Regulation on cross-border parcel delivery services are the Authority's main lines of action for 2019.

In 2019, ANCOM will hold the selection procedure for awarding the rights of use of radio spectrum available in the 700 MHz, 800 MHz, 1500 MHz, 2600 MHz, 3400-3600 MHz frequency bands for the provision of public networks and broadband electronic communications services. This action

pursues achieving the objectives of the Digital Agenda for Europe on the access to broadband communications services by 2020, as well as the Action Plan: 5G for Europe on the coordinated introduction of 5G services in the Union. Once initiated the procedure for the allotment of the spectrum resources for the implementation of the 5G technologies, ANCOM will ensure that all parties interested in this process are well informed, through various means, to ensure the fulfilment of all the transparency requirements incurred by such a complex process.

Also in 2019, the Authority plans to hold the selection procedures for granting the rights to use the frequencies in TDAB+ digital terrestrial radio broadcasting system, as well as for granting the rights to use the frequencies in digital terrestrial television system for the spectrum resources that were not allocated.

A first point of action considered by ANCOM in 2019 is the elaboration of a draft normative act on the transposition of the provisions of the Directive setting up the European Electronic Communications Code. The Code is one of the key elements of the Digital Single Market Strategy and came into force at the end of 2018, while the Member States have to transpose nationally the provisions of this Code within 2 years.

This year ANCOM will also adjust the secondary legislation in the postal field by including the provisions of the European Regulation on crossborder parcel delivery services, which

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lays down on the providers active on the market the obligation to submit additional information to the regulatory authority for increasing the level of tariff transparency and ensuring consistency at European level. With respect to the postal market, besides the implementation of this Regulation, the authority plans to conduct a study on the quality of the parcel services and impact of electronic commerce on the postal market and analyse the requests for the compensation of the net cost of universal service provision in 2017 and 2018.

Alongside the annual campaign for overseeing the efficient use of radio spectrum, ANCOM intends to conduct in 2019 monitoring campaigns for assessing the cases of involuntary roaming in border areas, as well as monitoring and control campaigns for determining the signal coverage.

To continue the project on the Infrastructure Law implementation. the Authority will issue this year - upon a public consultation - the decision imposing the technical and economic conditions for the access to the infrastructure projects developed with the participation or support of the central or local public administration authorities or entirely or partially financed from public funds. Furthermore, ANCOM will contribute to the elaboration, in collaboration with the Ministry of Communications and Information Society and Ministry of Regional Development and Public Administration, of the technical rules

on the design and roll-out of physical infrastructures.

To enhance the level of competitiveness of the communications market, ANCOM will review in 2019 the relevant markets corresponding to the services of call switched transit on the public telephone networks, of the services of access to infrastructure elements and of the services of broadband access. Other envisaged projects concern the establishment of the tariffs for the services of fixed call termination based on a cost calculation model, the amendment of the decision setting up measures for the end-users with disabilities and the implementation of the project of development of solutions for measuring the quality of the internet access services on the Netograf.ro support.

To increase the users' level of awareness on the non-compliant equipment which hinder the use of the radio spectrum under the conditions of the licences, ANCOM will continue the information campaign meant to discourage the use of the radio equipment without the CE marking.

The 5G for

Romania



AML	Advanced Mobile Location					
ANCOM	National Authority for Management and					
	Regulation in Communications					
ANPC	National Consumer Protection Authority					
ATIS	Automatic Transmitter Identification System					
BEREC	Body of European Regulators for Electronic Communications					
BRIFIC	ITU - BR International Frequency Information Circular (Terrestrial Services)					
BSDDIF	Black Sea Digital Dividend Implementation Forum					
CATV	Cable TV					
CBD	Central Database					
CEPT	Conference of the European Administrations for Post and Telecommunications					
CGC	Complementary ground component					
CNA	National Audiovisual Council					
CNPR	Romanian Post National Company					
Com-ITU	ITU Policy Committee					
DAB	Digital Audio Broadcasting					
DSNG	Digital Satellite News Gathering					
DTH	Direct-to-home					
DTT	Digital Terrestrial Television					
EaPeReg	Regulators Network of the Member States of the Eastern Partnership					
EC	European Commission					
ECC	Electronic Communications Committee					
ENISA	European Union Agency for Network and Information Security					
ERGP	European Regulators Group for Postal Services					
ESOMP	Earth Stations on Mobile Platforms					
FDD	Frequency division duplex					
FRATEL	Francophone Network of Telecommunication Regulators					
FTTH	Fiber to the Home					

FTTB	Fiber to the Building
	Global Aeronautical Distress and Safety
GADSS	System
GMDSS	Global Maritime Distress Safety System
HUB	Network coordination centers
ICAO	International Civil Aviation Organization
ICCJ	High Court of Cassation and Justice
ICSMS	Information and Communication System on Market Surveillance
IMSI	International mobile subscriber identity
IMT	International Mobile Telecommunications
INS	National Institute of Statistics
IPTV	Internet Protocol Television
IRG	Independent Regulators Group
ISPC	International Signalling Point Codes
ITU	International Telecommunication Union
LECRET	Laboratory for Electromagnetic Compatibility and Radio Equipment Testing
LURN	Licence for the use of numbering resources
MARS	Maritime Mobile Access and Retrieval System
MASS	Maritime Autonomous Surface Ships
MCSI	Ministry of Communications and Information Society
MFCN	Mobile/Fixed Communications Network
MMDS	Multipoint Multichannel Distribution System
MMSI	Mobile Maritime Service Identification
MSI	Maritime Safety Information
MSS	Mobile Satellite Service
MNC	Mobile Network Codes
NIC	Network Identification Codes
NNP	National Numbering Plan
NSPC	National Signalling Point Codes
NTFA	National Table for Frequency Allocation
PAM	Annual Monitoring Plan

PAMR	Public access mobile radiocommunications
PMR	Professional mobile radiocommunications
PSAP	Public Safety Answering Point
PT ES	Project Team Emergency Services
RENAR	Romanian Accreditation Association
RO- ALERT	Population warning system in case of emergency
RN	Routing Numbers
RR	Radio Regulations
RTV	Sound radio and television broadcasting services
SAR	Specific Absorption Rate
SAR	Search and Rescue
SDL	Supplemental Downlink
SEDDIF	South European Digital Dividend Implementation Forum
SMS	Short Message Service
S-PCS	Satellite Personal Communications Services
SNMS	National Spectrum Monitoring System
SNR	Radiocommunications National Company
SNUAU	Unique National System for Emergency Calls
SS7	Signaling System No. 7
ТВ	Terabyte
T-DAB	Terrestrial Digital Audio Broadcasting
TUS	Tariff for the use of spectrum
UAS	Unmanned Aircraft Systems
UHF	Ultra-high frequency
VHF	Very high frequency
VoIP	Voice over Internet Protocol
VSAT	Very Small Aperture Terminal
WRC-19	World Radiocommunication Conference in 2019



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ANCOM misiune și objective Strategia 5G pentru România

Comunicații electronice

Servicii postale Resurse limitate Monitorizare, control

Comunicare

Relații nternaționa Consolidarea capacității instituționale Legislație

Litigii în instantă Date financiare

Achiziții publice Priorități pentru anul 2019 Tabel de termeni și abrevieri

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APPENDIX 1

Evaluation Report on the implementation of Law No. 544/2001 on free access to public interest information, with the subsequent amendments and completions, by the National Authority for Management and Regulation in Communications (ANCOM), in 2018

I, the undersigned Alina ANTONESCU, responsible within ANCOM for the enforcement of Law no. 544/2001 on free access to public information, with the subsequent amendments and completions, in 2018, present the current internal evaluation report finalized following the application of the procedures for access public interest information, in which I appreciate that the specific activity of the institution was:
[X] Very good [_] Good [_] Satisfactory [_] Unsatisfactory
I ground this conclusion on the following considerations and results for 2018:
I. Resources and process
1. How do you appreciate the human resources available for the activity of providing public interest information?
X Sufficient _ Insufficient
2. You deem that the material resources available for the activity of providing public interest information are:
X Sufficient _ Insufficient
3. How do you assess collaboration with the specialized departments of your institution in providing access to public interest information?
[_] Very good[X] Good[_] Satisfactory[_] Unsatisfactory

II. Results

A) Information published ex officio

1.	Has your institution displayed the information/documents communicated ex-	officio,
	according to Art. 5 of Law no.544/2001 on free access to public interest infor	mation
	with the subsequent amendments and completions?	

X On the website
_ At the headquarters
_ In the mass-media
X In the Romanian Official Journal
By other means:

2. Do you deem that information was posted visibly enough for the interested entities?

X	Yes
_	No

3. What are the solutions to increase the visibility of published information that your institution has applied?

ANCOM's internet access page, www.ancom.org.ro, is constantly being promoted both through information campaigns dedicated to different target audiences (users, providers of electronic communications services, postal service providers, etc.) as well as through press releases and newsletters in Romanian and English submitted electronically by the Authority and through answers to requests for information from the public or the media.

ANCOM created a set of online tools for the information of end-users: the ANCOM InfoCentre (which is a section dedicated to users on the website www.ancom.org. ro), Veritel.ro - the telecom offer comparison tool, Netograf.ro - the application for testing internet service quality, Portabilitate.ro - the portal with information about porting telephone numbers.

Other channels of communication with the public are ANCOM's official accounts on Facebook and Twitter networking platforms.

Relati

4. Has your institution published additional sets of data ex officio, besides the minimum set prescribed by law?

|X| Yes, namely:

ANCOM has permanently published and updated a series of information specific to the fields of activity regulated by this institution, as follows:

- Information for electronic communications service providers (e.g. Electronic Communications, Limited Resources and Studies and Statistics sections on www.ancom.org.ro)
- Information for postal service providers (Postal Services and Studies and Statistics on www.ancom.org.ro),
- Information meant to help electronic communications users: the InfoCentre section for consumers on www.ancom.org.ro, the information published on www.portabilitate.ro; moreover, ANCOM has developed applications such as www.veritel.ro, which offers the end-users information on the offers of telephony and Internet access service providers, with the possibility of comparing them, respectively www.netograf.ro, which provides the users with information about the quality of the Internet access service and offers the possibility to measure multiple parameters of the connection used.

| | No

5. Is such information published in an open format?

|X| Yes (partially) l l No

6. What are the internal steps you plan to apply for publishing as many sets of data as possible in an open format?

Currently, the information published on ANCOM's website is easily accessible, the public has full and free-of-charge access to such information. Such information may be downloaded, used/reused and disseminated without restrictions regarding the person or purpose thereof. Moreover, we consider making available information to the public in the format recommended by the Guidebook for publishing open data.

B) Information provided upon request:

	equester	В	er				
Total number of requests for public interest information	residential business (on paper electronically		orally		
62 ¹	41	21	7	49	6		
By fields of interest							
I) use of public funds (contexpenditures etc.)	tracts, inves	stments,	4				
II) fulfilment of the public i	nstitution's	duties	3				
III) normative acts, regulat	ons			4			
IV) leaders' activity				0			
V) Information on the enforcement of Law no.544/2001 on free access to public interest information, with the subsequent amendments and completions				1			
VI) Other:							
1) Electronic communication	ns						
a) Statistical data				9			
a) Numbering			1				
c) Authorisation (ger audio-visual, endorsen		risation,		6			
a) Radio spectrum			2				
a) Equipment				2			
2) Postal services							
a) Authorisation			1				
a) Statistical data	1						
3) Infrastucture			7				
4) Portability				4			
5) ANCOM general data				4			
6) Other			21				

¹ Certain requests concern several domains of interest.

Statistical data

5) ANCOM general data

3) Infrastructure

4) Portability

6) Other

1

7

4

4 21

		Answering term Communication mann					
2. Total number of favourably solved requests	Forwarding to other institutions within 5 days	Favourably solved within 10 days	Favourably solved within 30 days	Answering term exceeded 30 days	electronically	on paper	orally
58	3	44	0	8 ²	49	7	6
By fields of i	nterest						
I) use of pub etc.)	olic funds (d	contracts, ir	nvestments	, expendit	cures	4	
II) fulfilment of the public institution's duties					3		
III) normative acts, regulations					4		
IV) leaders' activity						0	
V) Informati free access t amendment	o public in	terest infor		-		1	
VI) Other:							
1) Electronic	communic	ations					
Statistical	data					9	
Numberin	ıg					1	
c) Authorisation (general authorisation, audio-visual, endorsements)					6		
a) Radio s	spectrum					2	
a) Equipn	nent					2	
2) Postal ser	vices						
Authoris	ation					1	

3. Mention the main causes for which certain answers were not sent within the legal deadline:

Date

- **3.1** delays in the endorsement process;
- **3.2.** late reception of relevant information from the speciality departments holding such information.
- **4.** What steps have been taken to solve this problem?
 - **4.1** stricter monitoring of the endorsement circuit of the answers to requests for information of public interest;
 - **4.2** permanent communication with the specialized departments, constantly recalling them the provisions of the Law no.544/2001 on the free access to the public interest information, with the subsequent amendments and completions, as well as the provisions of the associated application rules.

		Rejection reasons	5		
5. Total number of rejected requests	Excepted, by Unavailable law information		Other:		
1	0	1	0		
By fields of interest					
I) use of public funds (coetc.)	nts, expenditures	Ο			
II) fulfilment of the publi	es	0			
III) normative acts, regu		0			
IV) leaders' activity		0			
V) Information on the er on free access to public subsequent amendment	0				
VI) Other: results of radicertain address	VI) Other: results of radiation level measurements at a				

² Settled within 30 days, the requesters being not notified on the extension of the 10-day term due to the short delays.

Cuvânt ANCOM Strategia fininte al președintelui președintelui Dollective Domânia electronice poștale limitate control Comunicare limitate control	Date financiare	e Achiziți iare publice	i Priorități pentru anul	Tabel de termeni și	Contact
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- 5.1 Requested information not provided for the reason of their exemption under the law: (list the requested documents/information) Not applicable.
- **6.** Administrative complaints and complaints in court:

6.1 Number of administrative complaints regarding the institution, based on Law no.544/2001 on free access to public interest information, with the subsequent amendments and completions			against th no.544/20 interest info	e institutio 001 on free rmation, w	aints filed in c n, based on L access to pu ith the subsec completions	.aw blic quent	
Favourably solved	Rejected	Solving in progress	Total	Favourably solved Rejected Solving in progress			
0	0	0	0	0	0	1	1

7. Management of the process of communicating public interest information

7.1. Costs

Total operational costs of the unit	Amounts collected from copying services	Copying fee (RON/page)	What is the document grounding the establishment of the copying fee?
1,336,814.85	0	0	-

- **7.2.** Enhancing the efficiency of access to public interest information:
 - a) Does your institution hold a public information point/virtual library in which sets of public interest data are published?

| X | Yes |_ | No

b) List the aspects you deem necessary to be improved in your institution to increase the efficiency of the process of ensuring access to public information:

I believe that it is necessary to enhance cooperation with the other ANCOM compartments, in order to define a common view on the categories of information within the scope of public interest information. Furthermore, certain items of information published on ANCOM's website need to be updated.

It would also be useful to simplify the circuit for endorsing answers to public information requests.

- **c)** List the measures taken to improve the process of ensuring access to public interest information:
 - develop and continuously update the website www.ancom.org.ro, where publicly available information is published ex officio;
 - use Facebook and Twitter accounts for communicating with the public;
 - provide sufficient and qualified staff to answer the requests for public interest information addressed directly to ANCOM;
 - update the application of registering requests for public interest information, on a regular basis;
 - implement an application that allows for quick document circulation and better traceability;
 - continuously monitor this process to identify possible malfunctions and take the necessary corrective action, including by reviewing internal procedures.

