

## **RO-IR 01**

### **TECHNICAL REGULATION**

**for the radio interface**

**concerning non-specific Short Range Devices (SRDs)**

**98/34/EC Notification number: 2014/597/RO**

## 1. Basic considerations

The Radio Equipment and Telecommunications Terminal Equipment Directive 1999/5/EC (R&TTE Directive) was implemented in Romania (RO) by Government Decision No. 130/2015.

This technical regulation contains the necessary equipment parameters for the use of licence exempt non-specific Short Range Devices (SRDs) in the specified frequency bands and considers especially compliance with Articles 3.2, 4.1, 6 and 7.2 of Directive 1999/5/EC.

Nothing in this technical regulation shall preclude the need for equipment placed on the market in Romania to comply with Directive 1999/5/EC.

The obligations arising from Directive 98/34/EC of the European Parliament and of the Council of 22 June 1998 laying down a procedure for the provision of information in the field of technical standards and regulations and of rules on Information Society services (OJ L 204 p. 37), as amended by Directive 98/48/EC of the European Parliament and of the Council of 20 July 1998 (OJ L 217 p. 18), have been met.

All Romanian technical regulations notified under Directive 1998/34/EC will be published and will be made available free of charge from the ANCOM web-site at:

[http://www.ancom.org.ro/en/interface-regulations-\\_2723](http://www.ancom.org.ro/en/interface-regulations-_2723)

## 2. Radio Interface Specifications

### Non-specific SRDs

Frequency band	Annex
456.9 – 457.1 kHz	RO-IR 01–01
6 765 – 6 795 kHz	RO-IR 01–02
13 553 – 13 567 kHz	RO-IR 01–03
26 957 – 27 283 kHz	RO-IR 01–04
26 990 - 27 000 kHz	RO-IR 01–05
27 040 - 27 050 kHz	RO-IR 01–06
27 090 - 27 100 kHz	RO-IR 01–07
27 140 - 27 150 kHz	RO-IR 01–08
27 190 - 27 200 kHz	RO-IR 01–09
40.66 – 40.70 MHz	RO-IR 01–10
138.20 – 138.45 MHz	RO-IR 01–11
169.4 – 169.475 MHz	RO-IR 01–12
169.4 – 169.4875 MHz	RO-IR 01–13
169.4875 – 169.5875 MHz	RO-IR 01–14
169.5875 – 169.8125 MHz	RO-IR 01–15
433.05 – 434.04 MHz	RO-IR 01–16a; RO-IR 01–16b
434.04 – 434.79 MHz	RO-IR 01–17a; RO-IR 01–17b; RO-IR 01–17c
863 – 865 MHz	RO-IR 01–18
865 – 868 MHz	RO-IR 01–19
868 – 868.6 MHz	RO-IR 01–20

868.7 – 869.2 MHz	RO-IR 01–21
869.4 – 869.65 MHz	RO-IR 01–22a; RO-IR 01–22b
869.7 – 870 MHz	RO-IR 01–23a; RO-IR 01–23b
2 400 – 2 483.5 MHz	RO-IR 01–24
5 725 – 5 875 MHz	RO-IR 01–25
24 – 24.15 GHz	RO-IR 01–26
24.15 – 24.25 GHz	RO-IR 01–27
57 – 64 GHz	RO-IR 01–28
61 – 61.5 GHz	RO-IR 01–29
122 – 123 GHz	RO-IR 01–30
244 – 246 GHz	RO-IR 01–31

For the purpose of this technical regulation, *Short-Range Device (SRD)* means radio transmitters which provide either unidirectional or bidirectional communication and which transmit over a short distance at low power.

*The non-specific short-range device category* covers all kinds of radio devices, regardless of the application or the purpose, which fulfil the technical conditions as specified for a given frequency band. Typical uses include telemetry, telecommand, alarms, data transmissions in general and other applications.

For the purpose of this technical regulation, *non-interference and non-protected basis* means that no harmful interference may be caused to any radio communications service and that no claim may be made for protection of these devices against harmful interference originating from radio communications services.

The use of radio spectrum by short-range device is allowed on a non-interference and non-protected basis provided that such device meets the conditions set out in the Annexes.

ROMANIA	Radio Interface Specification	SRD / Non-specific Short Range Devices	RO-IR 01-01	Edition 1/ 2014
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Non-specific Short Range Devices This set of usage conditions is only available for emergency detections of buried victims and valuable items devices.	
	3	Frequency band	456.9-457.1 kHz	<i>Center frequency is 457 kHz Harmonised radio spectrum for use by short-range devices (Decision 2013/752/EU amending Decision 2006/771/EC).</i>
	4	Channelling	-	
	5	Modulation / Occupied bandwidth	Continuous wave (CW) – no modulation	
	6	Direction / Separation	-	
	7	Transmit power / Power density	7 dBμA/m at 10 m	
	8	Channel access and occupation rules	-	
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements	Application of Article 3.3(e), ensuring access to emergency services	
	11	Frequency planning assumptions	-	
Informative part	12	Planned changes	-	
	13	Reference	EN 300 718-2; EN 300 718-3; Decision 2001/148/EC; Decision 2013/752/UE amending Decision 2006/771/EC; ERC REC 70-03	
	14	Notification number	2014/597/RO	
	15	Remarks	-	

ROMANIA	Radio Interface Specification	SRD / Non-specific Short Range Devices	RO-IR 01-02	Edition 1/ 2014
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Non-specific Short Range Devices	
	3	Frequency band	6 765 – 6 795 kHz	<i>Harmonised radio spectrum for use by short-range devices (Decision 2013/752/EU amending Decision 2006/771/EC)</i>
	4	Channelling	-	
	5	Modulation / Occupied bandwidth	-	
	6	Direction / Separation	-	
	7	Transmit power / Power density	42 dBµA/m at 10 meters	
	8	Channel access and occupation rules	-	
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements	-	
	11	Frequency planning assumptions	-	
Informative part	12	Planned changes	-	
	13	Reference	EN 300 330; Decision 2013/752/EU amending Decision 2006/771/EC; ERC/REC 70-03	
	14	Notification number	2014/597/RO	
	15	Remarks	-	

ROMANIA	Radio Interface Specification	SRD / Non-specific Short Range Devices	RO-IR 01-03	Edition 1/ 2014
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Non-specific Short Range Devices	
	3	Frequency band	13 553 -13 567 kHz	<i>Harmonised radio spectrum for use by short-range devices (Decision 2013/752/EU amending Decision 2006/771/EC)</i>
	4	Channelling	-	
	5	Modulation / Occupied bandwidth	--	
	6	Direction / Separation	-	
	7	Transmit power / Power density	42 dBμA/m at 10 meters	
	8	Channel access and occupation rules	-	
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements	-	
	11	Frequency planning assumptions	-	
Informative part	12	Planned changes	-	
	13	Reference	EN 300 330; Decision 2013/752/EU amending Decision 2006/771/EC; ERC/REC 70-03	
	14	Notification number	2014/597/RO	
	15	Remarks	-	

ROMANIA	Radio Interface Specification	SRD / Non-specific Short Range Devices	RO-IR 01-04	Edition 1/ 2014
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Non-specific Short Range Devices	
	3	Frequency band	26 957 – 27 283 kHz	<i>Harmonised radio spectrum for use by short-range devices (Decision 2013/752/EU amending Decision 2006/771/EC)</i>
	4	Channelling	-	
	5	Modulation / Occupied bandwidth	-	
	6	Direction / Separation	-	
	7	Transmit power / Power density	10 mW effective radiated power (e.r.p.), which corresponds to 42 dBµA/m at 10 meters	
	8	Channel access and occupation rules	-	
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements	-	
	11	Frequency planning assumptions	-	
Informative part	12	Planned changes	-	
	13	Reference	EN 300 220; Decision 2013/752/EU amending Decision 2006/771/EC; ERC/REC 70-03	
	14	Notification number	2014/597/RO	
	15	Remarks	-	

ROMANIA	Radio Interface Specification	SRD / Non-specific Short Range Devices	RO-IR 01-05	Edition 1/ 2014
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Non-specific Short Range Devices	
	3	Frequency band	26 990 - 27 000 kHz	<i>Harmonised radio spectrum for use by short-range devices (Decision 2013/752/EU amending Decision 2006/771/EC)</i>
	4	Channelling	-	
	5	Modulation / Occupied bandwidth	10 kHz	
	6	Direction / Separation	-	
	7	Transmit power / Power density	100 mW effective radiated power (e.r.p.)	
	8	Channel access and occupation rules	Duty cycle limit: 0.1 %	<i>Model control devices may operate without duty cycle restrictions.</i>
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements	-	
	11	Frequency planning assumptions	-	
Informative part	12	Planned changes	-	
	13	Reference	EN 300 220; Decision 2013/752/EU amending Decision 2006/771/EC; ERC/REC 70-03	
	14	Notification number	2014/597/RO	
	15	Remarks	-	

ROMANIA	Radio Interface Specification	SRD / Non-specific Short Range Devices	RO-IR 01-06	Edition 1/ 2014
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Non-specific Short Range Devices	
	3	Frequency band	27 040 - 27 050 kHz	<i>Harmonised radio spectrum for use by short-range devices (Decision 2013/752/EU amending Decision 2006/771/EC)</i>
	4	Channelling	-	
	5	Modulation / Occupied bandwidth	10 kHz	
	6	Direction / Separation	-	
	7	Transmit power / Power density	100 mW effective radiated power (e.r.p.)	
	8	Channel access and occupation rules	Duty cycle limit: 0.1 %	<i>Model control devices may operate without duty cycle restrictions.</i>
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements	-	
	11	Frequency planning assumptions	-	
Informative part	12	Planned changes	-	
	13	Reference	EN 300 220; Decision 2013/752/EU amending Decision 2006/771/EC; ERC/REC 70-03	
	14	Notification number	2014/597/RO	
	15	Remarks	-	

ROMANIA	Radio Interface Specification	SRD / Non-specific Short Range Devices	RO-IR 01-07	Edition 1/ 2014
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Non-specific Short Range Devices	
	3	Frequency band	27 090 - 27 100 kHz	<i>Harmonised radio spectrum for use by short-range devices (Decision 2013/752/EU amending Decision 2006/771/EC)</i>
	4	Channelling	-	
	5	Modulation / Occupied bandwidth	10 kHz	
	6	Direction / Separation	-	
	7	Transmit power / Power density	100 mW effective radiated power (e.r.p.)	
	8	Channel access and occupation rules	Duty cycle limit: 0.1 %	<i>Model control devices may operate without duty cycle restrictions.</i>
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements	-	
	11	Frequency planning assumptions	-	
Informative part	12	Planned changes	-	
	13	Reference	EN 300 220; Decision 2013/752/EU amending Decision 2006/771/EC; ERC/REC 70-03	
	14	Notification number	2014/597/RO	
	15	Remarks	-	

ROMANIA	Radio Interface Specification	SRD / Non-specific Short Range Devices	RO-IR 01-08	Edition 1/ 2014
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Non-specific Short Range Devices	
	3	Frequency band	27 140 - 27 150 kHz	<i>Harmonised radio spectrum for use by short-range devices (Decision 2013/752/EU amending Decision 2006/771/EC)</i>
	4	Channelling	-	
	5	Modulation / Occupied bandwidth	10 kHz	
	6	Direction / Separation	-	
	7	Transmit power / Power density	100 mW effective radiated power (e.r.p.)	
	8	Channel access and occupation rules	Duty cycle limit: 0.1 %	<i>Model control devices may operate without duty cycle restrictions.</i>
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements	-	
	11	Frequency planning assumptions	-	
Informative part	12	Planned changes	-	
	13	Reference	EN 300 220; Decision 2013/752/EU amending Decision 2006/771/EC; ERC/REC 70-03	
	14	Notification number	2014/597/RO	
	15	Remarks	-	

ROMANIA	Radio Interface Specification	SRD / Non-specific Short Range Devices	RO-IR 01-09	Edition 1/ 2014
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Non-specific Short Range Devices	
	3	Frequency band	27 190 - 27 200 kHz	<i>Harmonised radio spectrum for use by short-range devices (Decision 2013/752/EU amending Decision 2006/771/EC)</i>
	4	Channelling	-	
	5	Modulation / Occupied bandwidth	10 kHz	
	6	Direction / Separation	-	
	7	Transmit power / Power density	100 mW effective radiated power (e.r.p.)	
	8	Channel access and occupation rules	Duty cycle limit: 0.1 %	<i>Model control devices may operate without duty cycle restrictions.</i>
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements	-	
	11	Frequency planning assumptions	-	
Informative part	12	Planned changes	-	
	13	Reference	EN 300 220; Decision 2013/752/EU amending Decision 2006/771/EC; ERC/REC 70-03	
	14	Notification number	2014/597/RO	
	15	Remarks	-	

ROMANIA	Radio Interface Specification	SRD / Non-specific Short Range Devices	RO-IR 01-10	Edition 1/ 2014
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Non-specific Short Range Devices Video applications are excluded	
	3	Frequency band	40.66 - 40.70 MHz	<i>Harmonised radio spectrum for use by short-range devices (Decision 2013/752/EU amending Decision 2006/771/EC)</i>
	4	Channelling	-	
	5	Modulation / Occupied bandwidth	--	
	6	Direction / Separation	-	
	7	Transmit power / Power density	10 mW e.r.p.	
	8	Channel access and occupation rules	-	
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements	-	
	11	Frequency planning assumptions	-	
Informative part	12	Planned changes	-	
	13	Reference	EN 300 220; Decision 2013/752/EU amending Decision 2006/771/EC; ERC/REC 70-03	
	14	Notification number	2014/597/RO	
	15	Remarks	-	

ROMANIA	Radio Interface Specification	SRD / Non-specific Short Range Devices	RO-IR 01-11	Edition 1/ 2014
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Non-specific Short Range Devices	
	3	Frequency band	138.20 - 138.45 MHz	
	4	Channelling	-	
	5	Modulation / Occupied bandwidth	--	
	6	Direction / Separation	-	
	7	Transmit power / Power density	10 mW e.r.p.	
	8	Channel access and occupation rules	Duty cycle: up to 1 %	<i>When either a duty cycle, Listen Before Talk (LBT) or equivalent technique applies then it shall not be user dependent/adjustable and shall be guaranteed by appropriate technical means. For LBT devices without Adaptive Frequency Agility (AFA), or equivalent techniques, the duty cycle limit applies. For any type of frequency agile device the duty cycle limit applies to the total transmission unless LBT or equivalent technique is used.</i>
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements	-	
	11	Frequency planning assumptions	-	
Informative part	12	Planned changes	-	
	13	Reference	EN 300 220; ERC/REC 70-03	
	14	Notification number	2014/597/RO	
	15	Remarks	-	

ROMANIA	Radio Interface Specification	SRD / Non-specific Short Range Devices	RO-IR 01-12	Edition 1/ 2014
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Non-specific Short Range Devices	
	3	Frequency band	169.4 - 169.475 MHz	<i>Harmonised radio spectrum for use by short-range devices (Decision 2013/752/EU amending Decision 2006/771/EC)</i>
	4	Channelling	Max 50 kHz	
	5	Modulation / Occupied bandwidth	--	
	6	Direction / Separation	-	
	7	Transmit power / Power density	500 mW effective radiated power (e.r.p.)	
	8	Channel access and occupation rules	Duty cycle limit: 1 %	
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements	-	
	11	Frequency planning assumptions	-	
Informative part	12	Planned changes	-	
	13	Reference	EN 300 220; ECC/DEC/(05)02 ; ERC REC 70-03; Decision 2013/752/EU amending Decision 2006/771/EC	
	14	Notification number	2014/597/RO	
	15	Remarks	-	

ROMANIA	Radio Interface Specification	SRD / Non-specific Short Range Devices	RO-IR 01-13	Edition 1/ 2014
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Non-specific Short Range Devices	
	3	Frequency band	169.4 - 169.4875 MHz	<i>Harmonised radio spectrum for use by short-range devices (Decision 2013/752/EU amending Decision 2006/771/EC)</i>
	4	Channelling	-	
	5	Modulation / Occupied bandwidth	--	
	6	Direction / Separation	-	
	7	Transmit power / Power density	10 mW effective radiated power (e.r.p.)	
	8	Channel access and occupation rules	Techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques described in harmonized standards adopted under Directive 1999/5/EC must be used. Duty cycle limit: 0.1 %	
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements	-	
	11	Frequency planning assumptions	-	
Informative part	12	Planned changes	-	
	13	Reference	EN 300 220; ECC/DEC/(05)02 ; ERC REC 70-03; Decision 2013/752/EU amending Decision 2006/771/EC	
	14	Notification number	2014/597/RO	
	15	Remarks	-	

ROMANIA	Radio Interface Specification	SRD / Non-specific Short Range Devices	RO-IR 01-14	Edition 1/ 2014
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Non-specific Short Range Devices	
	3	Frequency band	169.4875 - 169.5875 MHz	<i>Harmonised radio spectrum for use by short-range devices (Decision 2013/752/EU amending Decision 2006/771/EC)</i>
	4	Channelling	-	
	5	Modulation / Occupied bandwidth	--	
	6	Direction / Separation	-	
	7	Transmit power / Power density	10 mW effective radiated power (e.r.p.)	
	8	Channel access and occupation rules	Techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques described in harmonized standards adopted under Directive 1999/5/EC must be used. Duty cycle limit: 0.001 %	<i>Between 00.00 and 06.00 local time a duty cycle limit of 0.1 % may be used.</i>
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements	-	
	11	Frequency planning assumptions	-	
Informative part	12	Planned changes	-	
	13	Reference	EN 300 220; ECC/DEC/(05)02 ; ERC REC 70-03; Decision 2013/752/EU amending Decision 2006/771/EC	
	14	Notification number	2014/597/RO	
	15	Remarks	-	

ROMANIA	Radio Interface Specification	SRD / Non-specific Short Range Devices	RO-IR 01-15	Edition 1/ 2014
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Non-specific Short Range Devices	
	3	Frequency band	169.5875 - 169.8125 MHz	<i>Harmonised radio spectrum for use by short-range devices (Decision 2013/752/EU amending Decision 2006/771/EC)</i>
	4	Channelling	-	
	5	Modulation / Occupied bandwidth	--	
	6	Direction / Separation	-	
	7	Transmit power / Power density	10 mW effective radiated power (e.r.p.)	
	8	Channel access and occupation rules	Techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques described in harmonized standards adopted under Directive 1999/5/EC must be used. Duty cycle limit: 0.1 %	
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements	-	
	11	Frequency planning assumptions	-	
Informative part	12	Planned changes	-	
	13	Reference	EN 300 220; ECC/DEC/(05)02 ; ERC REC 70-03; Decision 2013/752/EU amending Decision 2006/771/EC	
	14	Notification number	2014/597/RO	
	15	Remarks	-	

ROMANIA	Radio Interface Specification	SRD / Non-specific Short Range Devices	RO-IR 01-16a	Edition 1/ 2014
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Non-specific Short Range Devices Audio and video applications are excluded	
	3	Frequency band	433.05 – 434.04 MHz	<i>Harmonised radio spectrum for use by short-range devices (Decision 2013/752/EU amending Decision 2006/771/EC)</i>
	4	Channelling	-	
	5	Modulation / Occupied bandwidth	--	
	6	Direction / Separation	-	
	7	Transmit power / Power density	1 mW e.r.p. and – 13 dBm/10 kHz power density	<i>Power density limited to -13 dBm/10 kHz for wideband modulation with a bandwidth greater than 250 kHz</i>
	8	Channel access and occupation rules	Voice applications are allowed with advanced mitigation techniques	
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements	-	
	11	Frequency planning assumptions	-	
Informative part	12	Planned changes	-	
	13	Reference	EN 300 220; Decision 2013/752/EU amending Decision 2006/771/EC	
	14	Notification number	2014/597/RO	
	15	Remarks	-	

ROMANIA	Radio Interface Specification	SRD / Non-specific Short Range Devices	RO-IR 01-16b	Edition 1/ 2014
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Non-specific Short Range Devices Analogue audio applications other than voice are excluded. Analogue video applications are excluded	
	3	Frequency band	433.05 – 434.04 MHz	<i>Harmonised radio spectrum for use by short-range devices (Decision 2013/752/EU amending Decision 2006/771/EC)</i>
	4	Channelling	-	
	5	Modulation / Occupied bandwidth	--	
	6	Direction / Separation	-	
	7	Transmit power / Power density	10 mW e.r.p.	
	8	Channel access and occupation rules	Duty cycle limit: 10 %	
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements	-	
	11	Frequency planning assumptions	-	
Informative part	12	Planned changes	-	
	13	Reference	EN 300 220; Decision 2013/752/EU amending Decision 2006/771/EC	
	14	Notification number	2014/597/RO	
	15	Remarks	-	

ROMANIA	Radio Interface Specification	SRD / Non-specific Short Range Devices	RO-IR 01-17a	Edition 1/ 2014
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Non-specific Short Range Devices Audio and video applications are excluded.	
	3	Frequency band	434.04 – 434.79 MHz	<i>Harmonised radio spectrum for use by short-range devices (Decision 2013/752/EU amending Decision 2006/771/EC).</i>
	4	Channelling	-	
	5	Modulation / Occupied bandwidth	--	
	6	Direction / Separation	-	
	7	Transmit power / Power density	1 mW e.r.p. and – 13 dBm/10 kHz power density	<i>Power density limited to -13 dBm/10 kHz for wideband modulation with a bandwidth greater than 250 kHz</i>
	8	Channel access and occupation rules	Voice applications are allowed with advanced mitigation techniques.	
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements	-	
	11	Frequency planning assumptions	-	
Informative part	12	Planned changes	-	
	13	Reference	EN 300 220; Decision 2013/752/EU amending Decision 2006/771/EC	
	14	Notification number	2014/597/RO	
	15	Remarks	-	

ROMANIA	Radio Interface Specification	SRD / Non-specific Short Range Devices	RO-IR 01-17b	Edition 1/ 2014
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Non-specific Short Range Devices Analogue audio applications other than voice are excluded. Analogue video applications are excluded.	
	3	Frequency band	434.04 – 434.79 MHz	<i>Harmonised radio spectrum for use by short-range devices (Decision 2013/752/EU amending Decision 2006/771/EC)</i>
	4	Channelling	-	
	5	Modulation / Occupied bandwidth	--	
	6	Direction / Separation	-	
	7	Transmit power / Power density	10 mW e.r.p.	
	8	Channel access and occupation rules	Duty cycle limit: 10 %	
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements	-	
	11	Frequency planning assumptions	-	
Informative part	12	Planned changes	-	
	13	Reference	EN 300 220; Decision 2013/752/EU amending Decision 2006/771/EC	
	14	Notification number	2014/597/RO	
	15	Remarks	-	

ROMANIA	Radio Interface Specification	SRD / Non-specific Short Range Devices	RO-IR 01-17c	Edition 1/ 2014
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Non-specific Short Range Devices Audio and video applications are excluded.	
	3	Frequency band	434.04 – 434.79 MHz	<i>Harmonised radio spectrum for use by short-range devices (Decision 2013/752/EU amending Decision 2006/771/EC)</i>
	4	Channelling	up to 25 kHz	
	5	Modulation / Occupied bandwidth	--	
	6	Direction / Separation	-	
	7	Transmit power / Power density	10 mW e.r.p.	
	8	Channel access and occupation rules	Duty cycle limit: 100 % Voice applications are allowed with advanced mitigation techniques.	
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements	-	
	11	Frequency planning assumptions	-	
Informative part	12	Planned changes	-	
	13	Reference	EN 300 220; Decision 2013/752/EU amending Decision 2006/771/EC; ERC/REC 70-03	
	14	Notification number	2014/597/RO	
	15	Remarks	-	

ROMANIA	Radio Interface Specification	SRD / Non-specific Short Range Devices	RO-IR 01-18	Edition 1/ 2014
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Non-specific Short Range Devices Analogue audio applications other than voice are excluded. Analogue video applications are excluded.	
	3	Frequency band	863 – 865 MHz	<i>Harmonised radio spectrum for use by short-range devices (Decision 2013/752/EU amending Decision 2006/771/EC)</i>
	4	Channelling	-	
	5	Modulation / Occupied bandwidth	--	
	6	Direction / Separation	-	
	7	Transmit power / Power density	25 mW e.r.p.	
	8	Channel access and occupation rules	Techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques described in harmonized standards adopted under Directive 1999/5/EC must be used. Alternatively a duty cycle of 0.1 % may also be used.	
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements	-	
	11	Frequency planning assumptions	-	
Informative part	12	Planned changes	-	
	13	Reference	EN 300 220; Decision 2013/752/EU amending Decision 2006/771/EC	
	14	Notification number	2014/597/RO	
	15	Remarks	-	

ROMANIA	Radio Interface Specification	SRD / Non-specific Short Range Devices	RO-IR 01-19	Edition 1/ 2014
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Non-specific Short Range Devices Analogue audio applications other than voice are excluded. Analogue video applications are excluded.	
	3	Frequency band	865 – 868 MHz	<i>Harmonised radio spectrum for use by short-range devices (Decision 2013/752/EU amending Decision 2006/771/EC)</i>
	4	Channelling	-	
	5	Modulation / Occupied bandwidth	--	
	6	Direction / Separation	-	
	7	Transmit power / Power density	25 mW e.r.p.	
	8	Channel access and occupation rules	Techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques described in harmonized standards adopted under Directive 1999/5/EC must be used. Alternatively a duty cycle of 1 % may also be used.	
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements	-	
	11	Frequency planning assumptions	-	
Informative part	12	Planned changes	-	
	13	Reference	EN 300 220; Decision 2013/752/EU amending Decision 2006/771/EC	
	14	Notification number	2014/597/RO	
	15	Remarks	-	

ROMANIA	Radio Interface Specification	SRD / Non-specific Short Range Devices	RO-IR 01-20	Edition 1/ 2014
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Non-specific Short Range Devices Analogue video applications are excluded.	
	3	Frequency band	868 – 868.6 MHz	<i>Harmonised radio spectrum for use by short-range devices (Decision 2013/752/EU amending Decision 2006/771/EC)</i>
	4	Channelling	-	
	5	Modulation / Occupied bandwidth	--	
	6	Direction / Separation	-	
	7	Transmit power / Power density	25 mW e.r.p.	
	8	Channel access and occupation rules	Techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques described in harmonised standards adopted under Directive 1999/5/EC must be used. Alternatively a duty cycle of 1 % may also be used.	
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements	-	
	11	Frequency planning assumptions	-	
Informative part	12	Planned changes	-	
	13	Reference	EN 300 220; Decision 2013/752/EU amending Decision 2006/771/EC; ERC/REC 70-03	
	14	Notification number	2014/597/RO	
	15	Remarks	-	

ROMANIA	Radio Interface Specification	SRD / Non-specific Short Range Devices	RO-IR 01-21	Edition 1/ 2014
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Non-specific Short Range Devices Analogue video applications are excluded.	
	3	Frequency band	868.7 – 869.2 MHz	<i>Harmonised radio spectrum for use by short-range devices (Decision 2013/752/EU amending Decision 2006/771/EC)</i>
	4	Channelling	-	
	5	Modulation / Occupied bandwidth	--	
	6	Direction / Separation	-	
	7	Transmit power / Power density	25 mW e.r.p.	
	8	Channel access and occupation rules	Techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques described in harmonised standards adopted under Directive 1999/5/EC must be used. Alternatively a duty cycle of 0.1 % may also be used.	
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements	-	
	11	Frequency planning assumptions	-	
Informative part	12	Planned changes	-	
	13	Reference	EN 300 220; Decision 2013/752/EU amending Decision 2006/771/EC; ERC/REC 70-03	
	14	Notification number	2014/597/RO	
	15	Remarks	-	

ROMANIA	Radio Interface Specification	SRD / Non-specific Short Range Devices	RO-IR 01-22a	Edition 1/ 2014
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Non-specific Short Range Devices Analogue audio applications other than voice are excluded. Analogue video applications are excluded.	
	3	Frequency band	869.4 – 869.65 MHz	<i>Harmonised radio spectrum for use by short-range devices (Decision 2013/752/EU amending Decision 2006/771/EC)</i>
	4	Channelling	-	
	5	Modulation / Occupied bandwidth	--	
	6	Direction / Separation	-	
	7	Transmit power / Power density	25 mW e.r.p.	
	8	Channel access and occupation rules	Techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques described in harmonised standards adopted under Directive 1999/5/EC must be used. Alternatively a duty cycle of 0.1 % may also be used.	
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements	-	
	11	Frequency planning assumptions	-	
Informative part	12	Planned changes	-	
	13	Reference	EN 300 220; Decision 2013/752/EU amending Decision 2006/771/EC	
	14	Notification number	2014/597/RO	
	15	Remarks	-	

ROMANIA	Radio Interface Specification	SRD / Non-specific Short Range Devices	RO-IR 01-22b	Edition 1 / 2014
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Non-specific Short Range Devices Analogue video applications are excluded.	
	3	Frequency band	869.4 – 869.65 MHz	<i>Harmonised radio spectrum for use by short-range devices (Decision 2013/752/EU amending Decision 2006/771/EC)</i>
	4	Channelling	-	
	5	Modulation / Occupied bandwidth	--	
	6	Direction / Separation	-	
	7	Transmit power / Power density	500 mW e.r.p.	
	8	Channel access and occupation rules	Techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques described in harmonised standards adopted under Directive 1999/5/EC must be used. Alternatively a duty cycle of 10 % may also be used.	<i>The whole stated frequency band may be used as 1 channel for high speed data transmission</i>
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements	-	
	11	Frequency planning assumptions	-	
Informative part	12	Planned changes	-	
	13	Reference	EN 300 220; Decision 2013/752/EU amending Decision 2006/771/EC; ERC/REC 70-03	
	14	Notification number	2014/597/RO	
	15	Remarks	-	

ROMANIA	Radio Interface Specification	SRD / Non-specific Short Range Devices	RO-IR 01-23a	Edition 1/ 2014
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Non-specific Short Range Devices Audio and video applications are excluded.	
	3	Frequency band	869.7 – 870 MHz	<i>Harmonised radio spectrum for use by short-range devices (Decision 2013/752/EU amending Decision 2006/771/EC)</i>
	4	Channelling	-	
	5	Modulation / Occupied bandwidth	-	
	6	Direction / Separation	-	
	7	Transmit power / Power density	5 mW e.r.p.	
	8	Channel access and occupation rules	Voice applications are allowed with advanced mitigation techniques.	
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements	-	
	11	Frequency planning assumptions	-	
Informative part	12	Planned changes	-	
	13	Reference	EN 300 220; Decision 2013/752/EU amending Decision 2006/771/EC; ERC/REC 70-03	
	14	Notification number	2014/597/RO	
	15	Remarks	-	

ROMANIA	Radio Interface Specification	SRD / Non-specific Short Range Devices	RO-IR 01-23b	Edition 1/ 2014
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Non-specific Short Range Devices Analogue audio applications other than voice are excluded. Analogue video applications are excluded.	
	3	Frequency band	869.7 – 870 MHz	<i>Harmonised radio spectrum for use by short-range devices (Decision 2013/752/EU amending Decision 2006/771/EC)</i>
	4	Channelling	-	
	5	Modulation / Occupied bandwidth	-	
	6	Direction / Separation	-	
	7	Transmit power / Power density	25 mW e.r.p.	
	8	Channel access and occupation rules	Techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques described in harmonised standards adopted under Directive 1999/5/EC must be used. Alternatively a duty cycle limit of 1 % may also be used	
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements	-	
	11	Frequency planning assumptions	-	
Informative part	12	Planned changes	-	
	13	Reference	EN 300 220; Decision 2013/752/EU amending Decision 2006/771/EC; ERC/REC 70-03	
	14	Notification number	2014/597/RO	
	15	Remarks	-	

ROMANIA	Radio Interface Specification	SRD / Non-specific Short Range Devices	RO-IR 01-24	Edition 1/ 2014
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Non-specific Short Range Devices	
	3	Frequency band	2 400-2 483.5 MHz	<i>Harmonised radio spectrum for use by short-range devices (Decision 2013/752/EU amending Decision 2006/771/EC)</i>
	4	Channelling	-	
	5	Modulation / Occupied bandwidth	--	
	6	Direction / Separation	-	
	7	Transmit power / Power density	10 mW equivalent isotropic radiated power (e.i.r.p.)	
	8	Channel access and occupation rules	-	
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements	-	
	11	Frequency planning assumptions	-	
Informative part	12	Planned changes	-	
	13	Reference	EN 300 440; Decision 2013/752/EU amending Decision 2006/771/EC; ERC/REC 70-03	
	14	Notification number	2014/597/RO	
	15	Remarks	-	

ROMANIA	Radio Interface Specification	SRD / Non-specific Short Range Devices	RO-IR 01-25	Edition 1/ 2014
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Non-specific Short Range Devices	
	3	Frequency band	5 725-5 875 MHz	<i>Harmonised radio spectrum for use by short-range devices (Decision 2013/752/EU amending Decision 2006/771/EC)</i>
	4	Channelling	-	
	5	Modulation / Occupied bandwidth	--	
	6	Direction / Separation	-	
	7	Transmit power / Power density	25 mW e.i.r.p.	
	8	Channel access and occupation rules	-	
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements	-	
	11	Frequency planning assumptions	-	
Informative part	12	Planned changes	-	
	13	Reference	EN 300 440; Decision 2013/752/EU amending Decision 2006/771/EC; ERC/REC 70-03	
	14	Notification number	2014/597/RO	
	15	Remarks	-	

ROMANIA	Radio Interface Specification	SRD / Non-specific Short Range Devices	RO-IR 01-26	Edition 1/ 2014
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Non-specific Short Range Devices	
	3	Frequency band	24 - 24.15 GHz	
	4	Channelling	-	
	5	Modulation / Occupied bandwidth	--	
	6	Direction / Separation	-	
	7	Transmit power / Power density	100 mW e.i.r.p.	
	8	Channel access and occupation rules	-	
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements	-	
	11	Frequency planning assumptions	-	
Informative part	12	Planned changes	-	
	13	Reference	EN 300 440; ERC/REC 70-03	
	14	Notification number	2014/597/RO	
	15	Remarks	-	

ROMANIA	Radio Interface Specification	SRD / Non-specific Short Range Devices	RO-IR 01-27	Edition 1/ 2014
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Non-specific Short Range Devices	
	3	Frequency band	24.15 - 24.25 GHz	<i>Harmonised radio spectrum for use by short-range devices (Decision 2013/752/EU amending Decision 2006/771/EC)</i>
	4	Channelling	-	
	5	Modulation / Occupied bandwidth	--	
	6	Direction / Separation	-	
	7	Transmit power / Power density	100 mW e.i.r.p.	
	8	Channel access and occupation rules	-	
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements	-	
	11	Frequency planning assumptions	-	
Informative part	12	Planned changes	-	
	13	Reference	EN 300 440; Decision 2013/752/EU amending Decision 2006/771/EC; ERC/REC 70-03	
	14	Notification number	2014/597/RO	
	15	Remarks	-	

ROMANIA	Radio Interface Specification	SRD / Non-specific Short Range Devices	RO-IR 01-28	Edition 1 / 2014
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Non-specific Short Range Devices	
	3	Frequency band	57 - 64 GHz	<i>Harmonised radio spectrum for use by short-range devices (Decision 2013/752/EU amending Decision 2006/771/EC)</i>
	4	Channelling	-	
	5	Modulation / Occupied bandwidth	--	
	6	Direction / Separation	-	
	7	Transmit power / Power density	100 mW e.i.r.p., a maximum transmit power of 10 dBm and a maximum e.i.r.p. power spectral density of 13 dBm/MHz	
	8	Channel access and occupation rules	-	
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements	-	
	11	Frequency planning assumptions	EN 305 550	
Informative part	12	Planned changes	-	
	13	Reference	EN 305 550; Decision 2013/752/EU amending Decision 2006/771/EC; ERC/REC 70-03	
	14	Notification number	2014/597/RO	
	15	Remarks	-	

ROMANIA	Radio Interface Specification	SRD / Non-specific Short Range Devices	RO-IR 01-29	Edition 1 / 2014
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Non-specific Short Range Devices	
	3	Frequency band	61 - 61.5 GHz	<i>Harmonised radio spectrum for use by short-range devices (Decision 2013/752/EU amending Decision 2006/771/EC)</i>
	4	Channelling	-	
	5	Modulation / Occupied bandwidth	--	
	6	Direction / Separation	-	
	7	Transmit power / Power density	100 mW e.i.r.p.	
	8	Channel access and occupation rules	-	
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements	-	
	11	Frequency planning assumptions	-	
Informative part	12	Planned changes	-	
	13	Reference	EN 305 550; Decision 2013/752/EU amending Decision 2006/771/EC; ERC/REC 70-03	
	14	Notification number	2014/597/RO	
	15	Remarks	-	

ROMANIA	Radio Interface Specification	SRD / Non-specific Short Range Devices	RO-IR 01-30	Edition 1 / 2014
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Non-specific Short Range Devices	
	3	Frequency band	122 - 123 GHz	<i>Harmonised radio spectrum for use by short-range devices (Decision 2013/752/EU amending Decision 2006/771/EC)</i>
	4	Channelling	-	
	5	Modulation / Occupied bandwidth	-	
	6	Direction / Separation	-	
	7	Transmit power / Power density	100 mW e.i.r.p.	
	8	Channel access and occupation rules	-	
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements	-	
	11	Frequency planning assumptions	-	
Informative part	12	Planned changes	-	
	13	Reference	EN 305 550; Decision 2013/752/EU amending Decision 2006/771/EC	
	14	Notification number	2014/597/RO	
	15	Remarks	-	

ROMANIA	Radio Interface Specification	SRD / Non-specific Short Range Devices	RO-IR 01-31	Edition 1 / 2014
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Short Range Devices / Non-specific Short Range Devices	
	3	Frequency band	244 - 246 GHz	<i>Harmonised radio spectrum for use by short-range devices (Decision 2013/752/EU amending Decision 2006/771/EC)</i>
	4	Channelling	-	
	5	Modulation / Occupied bandwidth	-	
	6	Direction / Separation	-	
	7	Transmit power / Power density	100 mW e.i.r.p.	
	8	Channel access and occupation rules	-	
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements	-	
	11	Frequency planning assumptions	-	
Informative part	12	Planned changes	-	
	13	Reference	EN 305 550; Decision 2013/752/EU amending Decision 2006/771/EC; ERC/REC 70-03	
	14	Notification number	2014/597/RO	
	15	Remarks	-	