

RO-IR SRD-07

TECHNICAL REGULATION

for the radio interface

concerning model controlling devices

(previous coding RO-IR 08)

1. Basic Considerations

Directive 2014/53/EU of the European Parliament and of the Council of 16 April 2014 on the harmonization of the laws of the Member States relating to the making available on the market of radio equipment and repealing Directive 1999/5/EC was implemented in national legislation by Government Decision No 740/2016 on making available on the market of radio equipment, with subsequent amendments and completions.

This technical regulation contains the requirements for license-exempt use of radio spectrum by the proximity radio devices (short-range devices) for the model controlling in the specified frequency bands and considers compliance, especially, with the provisions of Article 3 Paragraph 2 and Articles 6-8 of Directive 2014/53/EU.

Nothing in this technical regulation shall preclude the obligation for radio equipment placed on the market or made available on the market in Romania to comply with Directive 2014/53/EU.

The obligations arising from Directive (EU) 2015/1535 of the European Parliament and of the Council of 9 September 2015 laying down a procedure for the provision of information in the field of technical regulations and of rules on Information Society services are met in this regulation (OJ L 241, 17.9.2015, p. 1-15).

All the Romanian technical regulations for the radio interfaces notified under Directive (EU) 2015/1535 shall be published and made available on National Authority for Management and Regulation in Communications (ANCOM) website at: https://www.ancom.ro/en/romanian-regulation_2719.

2. Radio Interface Specifications

Model controlling devices

Frequency band	Annex
26 990 – 27 000 kHz 27 040 – 27 050 kHz 27 090 – 27 100 kHz 27 140 – 27 150 kHz 27 190 – 27 200 kHz	RO-IR SRD-07-01
34.995 – 35.225 MHz	RO-IR SRD-07-02
40.66 – 40.67 MHz 40.67 – 40.68 MHz 40.68 – 40.69 MHz 40.69 – 40.70 MHz	RO-IR SRD-07-03

For the purpose of this technical regulation, a *proximity radio device (short-range device - SRD)* means a radio device which provides either unidirectional or bidirectional communication and which receives and/or transmits signals over a short distance and at a low power. Devices for controlling the movement of models also belong to the category of proximity radio devices (short-range devices).

For the purpose of this technical regulation, *model controlling devices* are a specific type of radio remote control and telemetry equipment that is used to remotely control movement of models (mainly, miniature representations of vehicles) in the air, on land, on or under water.

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 services and that no claim may be made for protection of these devices against harmful interferences originating from radio communications services.

The use of radio spectrum by proximity radio devices (short-range devices) is allowed on a non-interference and non-protected basis provided that such devices meet the conditions set out in the Annexes below.

3. Document History:

Edition	Changes
Edition 1/2014	Notification number according to Directive 98/34/EC: 2014/604/RO.
Edition 2/2018 (14.11.2018)	<p>Update according to Commission Implementing Decision (EU) 2017/1483 amending Decision 2006/771/EC on harmonizing the radio spectrum for the use of short-range devices and repealing Decision 2006/804/EC: RO-IR 08-01;</p> <p>Update according to ERC/REC 70-03 (version of 22 May 2018): RO-IR 08-02 and RO-IR 08-03;</p> <p>Update of the legal framework according to Point 1 – „Basic considerations” and reference documents (line 13);</p> <p>Formal changes according to TCAM-RSC model of November 2017.</p>
Edition 3/2020 (23.12.2020)	<p>Update according to Commission Implementing Decision (EU) 2019/1345 amending Decision 2006/771/EC in order to update the harmonised technical conditions for the use of radio spectrum for short-range devices:</p> <ul style="list-style-type: none"> • Update of some definitions. <p>Update of the legal framework according to Point 1 – „Basic considerations” and reference documents (line 13).</p>
Edition 4/2022 (11.10.2022)	<p>Update according to Commission Implementing Decision (EU) 2022/180 amending Decision 2006/771/EC as regards the update of harmonised technical conditions in the area of radio spectrum use for short-range devices</p> <ul style="list-style-type: none"> • Update of reference documents (line 13) and definitions Point 2.

ROMANIA	Radio Interface Specification	SRD / Devices for controlling the movement of models	RO-IR SRD-07-01	Edition 4/2022
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	No	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Proximity radio device (short-range device - SRD) / Model controlling devices	
	3	Frequency band	26 990 – 27 000 kHz; 27 040 – 27 050 kHz; 27 090 – 27 100 kHz; 27 140 – 27 150 kHz; 27 190 – 27 200 kHz	<i>Harmonised radio spectrum for use by short-range devices (Commission Implementing Decision (EU) 2022/180 amending Decision 2006/771/EC as regards the update of harmonised technical conditions in the area of radio spectrum use for short-range devices)</i>
	4	Channelling (channel distribution)	10 kHz	
	5	Modulation/Occupied bandwidth	-	
	6	Direction/Separation	-	
	7	Transmit power / Power density	100 mW effective radiated power (e.r.p.)	
	8	Channel occupation and access rules	-	
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements (According to Article 3 Paragraph 3 of 2014/53/EU Directive)	-	
	11	Assumptions on spectrum planning	-	
Informative part	12	Planned changes	-	
	13	Reference	EN 300 220-2; Commission Implementing Decision (EU) 2022/180 amending Decision 2006/771/EC as regards the update of harmonised technical conditions in the area of radio spectrum use for short-range devices; ERC/REC 70-03	
	14	Notification number	-	
	15	Remarks	-	

F1- RTIR Edition:1; Revision:1

ROMANIA	Radio Interface Specification	SRD / Devices for controlling the movement of models	RO-IR SRD-07-02	Edition 4/2022
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	No	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Proximity radio device (short-range device - SRD) / Model controlling devices	<i>Exclusively used for model aircraft movement controlling</i>
	3	Frequency band	34.995 MHz – 35.225 MHz	
	4	Channelling (channel distribution)	10 kHz	
	5	Modulation/Occupied bandwidth	-	
	6	Direction/Separation	-	
	7	Transmit power / Power density	100 mW e.r.p.	
	8	Channel occupation and access rules	-	
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements (According to Article 3 Paragraph 3 of 2014/53/EU Directive)	-	
	11	Assumptions on spectrum planning	-	
Informative part	12	Planned changes	-	
	13	Reference	EN 300 220-2; ERC/DEC/(01)11; ERC/REC 70-03	
	14	Notification number	2018/399/RO	
	15	Remarks	-	

F1- RTIR Edition:1; Revision:1

ROMANIA	Radio Interface Specification	SRD / Devices for controlling the movement of models	RO-IR SRD-07-03	Edition 4/2022
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	No	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile	
	2	Application	Proximity radio device (short-range device - SRD) / Model controlling devices	
	3	Frequency band	40.66 – 40.67 MHz; 40.67 – 40.68 MHz; 40.68 – 40.69 MHz; 40.69 – 40.70 MHz	
	4	Channelling (channel distribution)	10 kHz	
	5	Modulation/Occupied bandwidth	-	
	6	Direction/Separation	-	
	7	Transmit power / Power density	100 mW e.r.p.	
	8	Channel occupation and access rules	-	
	9	Authorisation regime	Licence exemption	
	10	Additional essential requirements (According to Article 3 Paragraph 3 of 2014/53/EU Directive)	-	
	11	Assumptions on spectrum planning	-	
Informative part	12	Planned changes	-	
	13	Reference	EN 300 220-2; ERC/DEC/(01)12; ERC/REC 70-03	
	14	Notification number	2018/399/RO	
	15	Remarks	-	

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