

**RO-IR 08**

**TECHNICAL REGULATION**

**for the radio interface**

**concerning model control devices**

**Notification number according to Directive (EU) 2015/1535: 2018/399/RO**

## 1. Basic Considerations

Directive 2014/53/EU of the European Parliament and of the Council of 16 April 2014 on the harmonisation 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 the license exempted radio spectrum usage by the short-range devices for the model control 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.

This technical regulation does not exclude the obligation that 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, pages 1-15).

All 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) web-site at: [http://www.ancom.org.ro/reglementari-interfete\\_2723](http://www.ancom.org.ro/reglementari-interfete_2723).

## 2. Radio Interface Specifications

### Model control devices

| Frequency band  | Annex       |
|---|-------------|
| 26 990 – 27 000 kHz<br>27 040 – 27 050 kHz<br>27 090 – 27 100 kHz<br>27 140 – 27 150 kHz<br>27 190 – 27 200 kHz | RO-IR 08–01 |
| 34.995 MHz – 35.225 MHz   | RO-IR 08–02 |
| 40.66 – 40.67 MHz<br>40.67 – 40.68 MHz<br>40.68 – 40.69 MHz<br>40.69 – 40.70 MHz                                | RO-IR 08–03 |

For the purpose of this technical regulation, *Short-Range Device (SRD)* means a radio device which provides unidirectional or bidirectional communication, and which receives and/or transmits signals over a short distance and at low power. Model control devices are also part of short-range devices category.

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

For the purpose of this technical regulation, *non-interference and non-protected* means that it is not allowed to cause any harmful interference to radio communications service and that it shall not be claimed the protection of these devices against harmful interference originating from radio communications services.

The use of radio spectrum by 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<br>(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 (row 13);</p> <p>Formal changes according to TCAM-RSC pattern of November 2017.</p> |
| Edition 3/2020<br>(23.12.2020) | <p>Update according to Commission Implementing Decision (EU) 2019/1345 amending Decision 2006/771/EC updating harmonised technical conditions in the area of radio spectrum use for short-range devices:</p> <ul style="list-style-type: none"> <li>• Updating of some definitions.</li> </ul> <p>Update of the legal framework according to Point 1 – „Basic considerations” and reference documents (row 13).</p>   |

|         |                               |                             |             |                |
|---------|-------------------------------|-----------------------------|-------------|----------------|
| ROMANIA | Radio Interface Specification | SRD / Model control devices | RO-IR 08-01 | Edition 3/2020 |
|---------|-------------------------------|-----------------------------|-------------|----------------|

|                  | Nr | Parameter  | Description   | Comments  |
|------------------|----|--|---|---|
| Normative Part   | 1  | Radiocommunication Service   | Mobile  |   |
|                  | 2  | Application  | Short Range Devices / Model control devices   |   |
|                  | 3  | Frequency band   | 26 990 – 27 000 kHz; 27 040 – 27 050 kHz;<br>27 090 – 27 100 kHz; 27 140 – 27 150 kHz;<br>27 190 – 27 200 kHz   | <i>Harmonised radio spectrum for use by short-range devices (Commission Implementing Decision (EU)2019/1345 amending Decision 2006/771/EC updating harmonised technical conditions in the area of radio spectrum use for short-range devices)</i> |
|                  | 4  | Channeling (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  | Authorization regime   | License 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) 2019/1345 amending Decision 2006/771/EC updating harmonised technical conditions in the area of radio spectrum use for short-range devices; ERC/REC 70-03 |   |
|                  | 14 | Notification number  | 2018/399/RO   |   |
|                  | 15 | Remarks  | -   |   |

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| ROMANIA | Radio Interface Specification | SRD / Model control devices | RO-IR 08-02 | Edition 3/2020 |
|---------|-------------------------------|-----------------------------|-------------|----------------|

|                  | Nr | Parameter  | Description                                 | Comments                                      |
|------------------|----|--|---|---|
| Normative Part   | 1  | Radiocommunication Service   | Mobile                                      |   |
|                  | 2  | Application  | Short Range Devices / Model control devices | <i>Exclusively usage for airplane control</i> |
|                  | 3  | Frequency band   | 34.995 MHz – 35.225 MHz                     |   |
|                  | 4  | Channeling (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  | Authorization regime   | License exemption                           |   |
|                  | 10 | Additional essential requirements<br>(According to Article 3 Paragraph 3 of<br>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  | -   |   |

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|----------------|--------------------------------------|------------------------------------|--------------------|-----------------------|
| <b>ROMANIA</b> | <b>Radio Interface Specification</b> | <b>SRD / Model control devices</b> | <b>RO-IR 08-03</b> | <b>Edition 3/2020</b> |
|----------------|--------------------------------------|------------------------------------|--------------------|-----------------------|

|                         | <b>Nr</b> | <b>Parameter</b>  | <b>Description</b>  | <b>Comments</b> |
|-------------------------|-----------|---|---|-----------------|
| <b>Normative Part</b>   | <b>1</b>  | <b>Radiocommunication Service</b>   | Mobile  |                 |
|                         | <b>2</b>  | <b>Application</b>  | Short Range Devices / Model control devices                                   |                 |
|                         | <b>3</b>  | <b>Frequency band</b>   | 40.66 – 40.67 MHz; 40.67 – 40.68 MHz;<br>40.68 – 40.69 MHz; 40.69 – 40.70 MHz |                 |
|                         | <b>4</b>  | <b>Channeling (channel distribution)</b>  | 10 kHz  |                 |
|                         | <b>5</b>  | <b>Modulation/Occupied bandwidth</b>  | -   |                 |
|                         | <b>6</b>  | <b>Direction/Separation</b>   | -   |                 |
|                         | <b>7</b>  | <b>Transmit power / Power density</b>   | 100 mW e.r.p.   |                 |
|                         | <b>8</b>  | <b>Channel occupation and access rules</b>  | -   |                 |
|                         | <b>9</b>  | <b>Authorization regime</b>   | License exemption   |                 |
|                         | <b>10</b> | <b>Additional essential requirements<br/>(According to Article 3 Paragraph 3 of<br/>2014/53/EU Directive)</b> | -   |                 |
|                         | <b>11</b> | <b>Assumptions on spectrum planning</b>   | -   |                 |
| <b>Informative Part</b> | <b>12</b> | <b>Planned changes</b>  | -   |                 |
|                         | <b>13</b> | <b>Reference</b>  | EN 300 220-2; ERC/DEC/(01)12; ERC/REC 70-03                                   |                 |
|                         | <b>14</b> | <b>Notification number</b>  | 2018/399/RO   |                 |
|                         | <b>15</b> | <b>Remarks</b>  | -   |                 |

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