



EUROPEAN COMMISSION

Directorate-General for Internal Market, Industry, Entrepreneurship and SMEs
Single Market Enforcement
Notification of Regulatory Barriers

Notification Number : 2024/0576/ES (Spain)

Royal Decree approving the National Technical Plan for Digital Terrestrial Television and regulating certain measures to promote the technological evolution of digital terrestrial television.

Date received : 15/10/2024

End of Standstill : 16/01/2025 (closed)

Message

Message 001

Communication from the Commission - TRIS/(2024) 2823

Directive (EU) 2015/1535

Notification: 2024/0576/ES

Notification of a draft text from a Member State

Notification - Notificación - Notifizierung - Нотификация - Oznámení - Notifikation - Γνωστοποίηση - Notificación - Teavitamine - Ilmoitus - Obavijest - Bejelentés - Notifica - Pranešimas - Paziņojums - Notifika - Kennisgeving - Zawiadomienie - Notificação - Notificare - Oznamenie - Obvestilo - Anmälan - Fógra a thabhairt

Does not open the delays - N'ouvre pas de délai - Kein Fristbeginn - Не се предвижда период на прекъсване - Ne zahajuje prodlení - Fristerne indledes ikke - Καμμία έναρξη προθεσμίας - No abre el plazo - Viivituste perioodi ei avata - Määräaika ei ala tästä - Ne otvara razdoblje kašnjenja - Nem nyitja meg a késésket - Non fa decorrere la mora - Atidējimai nepradedami - Atlikšanas laikposms nesākas - Ma jiftaħ il-perijodi ta' dewmien - Geen termijnbegin - Nie otwiera opóźnień - Não inicia o prazo - Nu deschide perioadele de stagnare - Nezačína oneskorenia - Ne uvaja zamud - Inleder ingen frist - Ní osclaíonn sé na moilleanna

MSG: 20242823.EN

1. MSG 001 IND 2024 0576 ES EN 15-10-2024 ES NOTIF

2. Spain

3A. SDG de Asuntos Industriales, Energéticos, de Transportes, Comunicaciones y Medioambiente
DG de MI y otras Políticas Comunitarias
Ministerio de Asuntos Exteriores, UE y Cooperación
Pza. del Marqués de Salamanca, 8, Madrid

3B. Secretaría de Estado de Telecomunicaciones e Infraestructuras Digitales.
Secretaría General de Telecomunicaciones y Ordenación de los Servicios de Comunicación Audiovisual.
Subdirección General de Ordenación de las Telecomunicaciones.

4. 2024/0576/ES - V00T - TELECOMS

5. Royal Decree approving the National Technical Plan for Digital Terrestrial Television and regulating certain measures to



EUROPEAN COMMISSION

Directorate-General for Internal Market, Industry, Entrepreneurship and SMEs
Single Market Enforcement
Notification of Regulatory Barriers

promote the technological evolution of digital terrestrial television.

6. Digital terrestrial television reception equipment

7.

8. The draft consists of a preamble, ten articles, five additional provisions, six transitional provisions, one repealing provision, and three final provisions.

It also approves the National Technical Plan for Digital Terrestrial Television, which consists of five articles and three annexes.

Article 1 approves the National Technical Plan for Digital Terrestrial Television. The digital terrestrial television (DTT) service will be provided in the 470 to 694 MHz frequency band (radio channels 21 to 48).

Article 2 regulates the use of state and regional coverage digital multiplexes provided for in the technical plan.

Article 3 establishes that the plan includes the radio channels on which the eight state or regional coverage digital multiplexes (RGE1, RGE2, MPE1, MPE2, MPE3, MPE4, MPE5 and MAUT) will be operated, in each of the geographical areas set out in the plan.

Article 4 determines the number of television channels in each digital multiplex so that each of them, whatever its scope of coverage, has the capacity to integrate four television channels, in high definition in the case of digital multiplexes with transmission technology in accordance with the European Telecommunications Standard EN 300 744 (DVB-T), and in ultra-high definition in the case of digital multiplexes with transmission technology in accordance with the European Telecommunications Standard EN 302 755 (DVB-T2).

Article 5 provides that the technological evolution from DTT to signal transmission technology according to the European Telecommunications Standard EN 302 755 (DVB-T2) will be carried out in two phases.

Article 6 establishes the distribution of the digital multiplexes and the actions to be carried out in phase 1, and establishes that a quarter of the spare capacity in the digital multiple MPE5 will be awarded through the call for tender for granting a license to provide the television audiovisual communication service at state level with HD resolution, in accordance with the provisions of Article 26 of Law 13/2022 of 7 July 2022 on General Audiovisual Communication.

Article 7, for phase 2, for the establishment of the date by which all digital multiplexes must evolve to the new technological standards, establishes a series of indicators to be used, and defines the values to be achieved in these indicators to set that date. It is established that once phase 2 is executed, all digital multiplexes of DTT, regardless of their coverage scope, will broadcast using DVB-T2 transmission technology, and capacity will be reserved to enable all integrated television channels to evolve to ultra-high-definition broadcasts.

Article 8 sets out the characteristics that receivers of digital terrestrial television must have, specifying that they must have open, compatible interfaces that allow interoperability.

Article 9 sets out the technical specifications for digital terrestrial television broadcasts in high definition.

Article 10 lays down the technical specifications for ultra-high-definition digital terrestrial television broadcasts.

The first additional provision sets out the definitions for the purposes of this Royal Decree and the approved National Technical Plan for Digital Terrestrial Television, as defined in Annex III.



EUROPEAN COMMISSION

Directorate-General for Internal Market, Industry, Entrepreneurship and SMEs
Single Market Enforcement
Notification of Regulatory Barriers

The second additional provision authorises the State Secretariat for Telecommunications and Digital Infrastructure to resolve technical adjustments or adaptations, including the change of radio channels, resulting from international coordination, for reasons of achieving greater efficiency in the use of the radio spectrum or to resolve radio compatibility problems, in particular those that may occur during the commissioning of broadcast stations.

The third additional provision concerns maintaining the Register for Digital Terrestrial Television Service Information Parameters and provides for its management, assignment and allocation.

The fourth additional provision regulates the information to be provided to the users of digital terrestrial television services in ultra high definition.

The fifth additional provision concerns experimental technical broadcasts of DTT.

9. The draft approves the National Technical Plan for Digital Terrestrial Television, and regulates certain measures to promote the technological evolution of digital terrestrial television.

In recent years, there has been an intense debate in Europe on the need for technological developments in DTT for introducing the most advanced coding and modulation techniques, which offer greater efficiency, robustness and flexibility, and digital terrestrial television broadcasts with DVB-T2 transmission technology are already being carried out in most Member States of the European Union.

Once the cessation of digital terrestrial television broadcasts in standard definition (SD) has been completed in Spain, and as all digital terrestrial television broadcasts have been in high definition (HD) since 14 February 2024, this draft adopts measures to continue advancing in the incorporation of new standards of technological innovation in the digital terrestrial television service, allowing for a modern and technologically updated digital terrestrial television service that translates into improved efficiency in the use of the radio spectrum.

This way, the evolution to advanced digital terrestrial television standards is planned, including the DVB-T2 transmission technology, which significantly increases the available data signalling rate capacity in each digital multiplex and thus allows for a more efficient use of the spectrum.

With the aim of promoting the implementation of this technology, and in particular the adaptation of the pool of TV receivers to be able to receive this new technology, a first phase is established, in which the evolution of one of the digital multiplexes to the DVB-T2 transmission technology will take place, in which TV channels with ultra high definition (UHD) resolution will be transmitted in simultaneous broadcasts, and a second phase, that aims at the evolution of all the digital multiplexes of digital terrestrial television to the new technological standards. To set the implementation date of phase 2, a series of indicators to be used are established, and the values to be achieved to set that date are defined.

On the other hand, other measures are included to promote technological innovation in television audiovisual services, to favour the implementation of ultra high definition (UHD), and measures are established to favour the evolution of the fleet of digital terrestrial television receivers to be able to receive broadcasts with the new technological standards.

As regards the National Technical Plan for Digital Terrestrial Television, the draft introduces the technical specifications for the transmitters of digital terrestrial television stations in the case of the use of DVB-T2 signal transmission technology, maintains the frequency planning contained in the national technical plan approved by Royal Decree 391/2019 of 21 June 2019, and introduces adjustments in the municipalities included in each of the 75 geographical areas into which the national territory is divided for the purposes of planning the frequencies to be used for each of the digital multiplexes.

10. References to basic texts:



EUROPEAN COMMISSION
Directorate-General for Internal Market, Industry, Entrepreneurship and SMEs
Single Market Enforcement
Notification of Regulatory Barriers

11. No

12.

13. No

14. No

15. Yes

16.

TBT aspects: No

SPS aspects: No

European Commission

Contact point Directive (EU) 2015/1535

email: grow-dir2015-1535-central@ec.europa.eu