

## The Outline of Proposed Change to Ministerial Ordinances and Public Notices

### 1 Item

Partial revision of Radio Equipment Regulation and related change to other regulations

### 2 Target regulations

- Radio Equipment Regulations (Ministerial Ordinance)
- Standard System of Transmission for Digital Broadcasting within Broadcasting including Standard Definition Television (Ministerial Ordinance)
- Providing composition and transmission procedures of related information (Public Notice)
- Providing compression and transmission procedures for video and audio signals using PES packets, and so forth (Public Notice)
- Providing scrambling procedures (Public Notice)
- Providing arrangement of TMCC and AC symbols, and organization of time and frequency interleaving (Public Notice)
- Providing composition of TMCC information (Public Notice)
- Providing composition of frame synchronization signals, arrangement of L ch symbols, carrier modulation mapping, time and frequency interleaving, and composition of TMCC information (Public Notice)

### 3 Outline of the amendment

The following parts of Ordinances and Notices are changed to establish the technical standards required for advanced terrestrial digital television broadcasting system using UHF band frequencies.

- Radio Equipment Regulations  
Provisions for frequency use conditions of the system to Article 37-27-9, Annex 1, Annex 2, Annex 3, and Annex 4, item 8-8 are added.
- Standard System of Transmission for Digital Broadcasting within Broadcasting including Standard Definition Television  
Provisions for transmission channel coding schemes of the system are added to Chapters 3.2 and 3.3.
- Providing composition and transmission procedures of related information

Detail of transmission channel coding and multiplexing schemes for the system is added.

- Providing compression and transmission procedures for video and audio signals using PES packets, and so forth

Detail of video coding scheme and audio coding scheme for the system is added.

- Providing scrambling procedures

Detail of scrambling scheme for the system is added .

- Providing arrangement of TMCC and AC symbols, and organization of time and frequency interleaving

Detail of time interleaving and frequency interleaving for the system is added.

- Providing composition of TMCC information

Detail of TMCC information among transmission channel coding schemes for the system is added.

- Providing composition of frame synchronization signals, arrangement of L ch symbols, carrier modulation mapping, time and frequency interleaving, and composition of TMCC information

Detail of frame synchronization signal composition, L-channel symbol placement, carrier modulation mapping, time interleaving, frequency interleaving and TMCC information, and so forth in the transmission channel coding scheme for the system is added.

#### 4 Reasons for amendment

Technical standards shall be established to enable the transmission of ultra-high-definition images such as 4K and 8K for digital terrestrial television broadcasting using UHF band frequencies.

#### 5 Proposed date of entry into force

April, 2024