Implementation Guidelines to Minimum Requirements for DVB-T2 Devices in Germany

1.   4.1.1 LCN Support

The use of Nordig Logical Channel Descriptor is always in accordance with Nordig 12.1.3 clause. This requires the inclusion of the private data specifier descriptor carrying the Nordig private data specifier value (0x00000029) prior to the LCN descriptor.

2.   4.1.3 Update of Service Lists

Broadcasters shall keep the Service ID (SID) unique within the terrestrial delivery network identified by its Original Network ID (ONID), regardless of the Transport Stream ID (TSID) of the channel that carries the service. Moving a service from one transport stream to another one, or receiving duplicates of the same service through multiple channels, involves a change of the TSID. For the purpose of identifying identical or moved service offerings, the receiver shall evaluate the pair ONID/SID. Receiver internal databases may still make use or require the complete DVB-triple (ONID / TSID / SID).

3.   5.1 Video / HEVC Support

Interlaced formats will not be used for DVB-T2 broadcasts in Germany, thus need not to be supported by receivers.

4.   5.5 Character Sets for DVB Service Information, Teletext and Subtitles

The default Character set of the device ("Character code table 0B") is to be understood as the most common character code table provided in ETSI EN 300 468 V1.14.1 Annex A [4], Table A.3, that is intended to be used on the playout side for DVB-T2 transmission.

For various reasons, broadcasters might use different character code tables from the afore mentioned reference e.g. code table 05.

Explanatory Information: The default character code table to be used normally by receiver devices, in the case that no character code table is specified in the received DVB-T2 signal, is defined in ETSI EN 300 468 V1.14.1 Annex A, second paragraph, as character code table 00 (Fig A.1).

Support of UTF-8 is only required for content accessed by a web or HbbTV browser, i.e. content delivered through the internet or through a DSMCC carousel contained in the broadcast channel.

5.   5.10 Service and Event Information Processing

The component descriptor may be placed either in the EIT or SDT. In both cases, the descriptor shall be evaluated and/or displayed to the user. In case that one service has descriptions for the same component_tag in both, the SDT and the EIT, the description carried in the EIT shall take precedence.

6.   *8.1 HbbTV Middleware*

Broadband network connectivity" under 8.1. of the Minimum Requirements means the availability of TV App(s) or a manufacturer App portal or other IP content, and/or the availability of a browser. Broadband network connectivity for the sole purpose of software updates of the device shall not require the support of HbbTV acc. to 8.1.

However, it is highly recommended for any receiver to support HbbTV-Standard as HbbTV-applications are a significant part of the DVB-T2 concept in Germany with substantial services beeing provided by broadcasters and operator.

7.   *8.2 Display of Subtitles and Applications*

The support of simultaneous display shall be supported for DVB-T2 devices in Germany.

Date: 19.05.2016

Version: 2.0

Status: released