

Guidelines and recommendation: Drafting changes and updates to NorDig specifications

Background:

It is a challenge to managed versions and comments in the process working with new text and other content to the specifications, both in the working groups and when having a draft for comments in the member organisations and other experts.

And it is a challenge for the editor of the final draft specification to secure that all changes and updates are correct if version, naming and marking is not used consistent in the same way for all inputs.

Purpose of this document:

This guidelines and recommendation including example document purpose to give a common understanding of how to work with NorDig specifications to make it easier for all of us in the process.

When we for example make changes of the audio specification in the IRD specification, it has typical effect in many places in the specification besides the actual audio chapter, for example in various reference tables and settings, so it is important that from the start of the work, you are aware of where to make changes and updates in the specification.

In the following you find guidelines and recommendations for respectively the work in the expert / subgroups, draft send for comment in the members organisations and to other experts

Document handling:

Make a drafting document before starting the work:

Make a copy of latest version of the specification (e.g. IRD v. 3.0)

- Name the file – see “File naming”
- Make the front page – see the example
- Include a list to be updated from draft version to version describing the changes- see the example document
- Include the Bugzilla list / to due list in start of the document
- Remove all non-relevant text and chapters for the work (e.g. update of the audio specification).

Important:

To make the working process easy as possible the chapter and subchapter numbering in the specification should be kept from the previous version, and the document formatting as well. (see the example document) It makes it easy to find around in the document in the evaluation process to keep the numbering and to keep the formatting secure that the tables will not be deformed.

File naming (important):

In order to ensure the best workflow, the following systematics must be used in naming files with updates, changes and comments.

Here example with audio updates from NorDig Unified specification v.3.0 to v.3.1.

To not having to long file name are used “IRD” in the file name instead of “NorDig Unified specification”.

Start document- file name:

IRD Audio ver. 3.1_draft v001

Comment to the draft:

Filename added date and initials of how have make the comments.

IRD Audio ver. 3.1_draft v001_20180513_pm

Updated draft approved in the working group:

IRD Audio ver. 3.1_draft v002

Editing roles and document handling:

- **Yellow highlight marking** marks changes in text compared to current version of the specification.
 - **New modified text:** without strikethrough marks new additional text,
 - **Removed text:** with strikethrough marks old text proposed to be removed
- **Green marked text:** highlighting text that under extra scrutiny during this update (not yet agreed).
- **Blue marked text:** comments or other raw text that will be removed before final version.
- **Grey marked text:** refers to text that not are relevant to this review/update (e.g. Audio).

Guide:

To improve version handling and readability, text from current version of the specification that is proposed to be deleted in future version should not be removed from draft version.

Use instead ~~strikethrough~~ and **yellow highlighted marking**.

Microsoft Word function “[Track Changes](#)”, will be used in addition to highlight changes, BUT from one draft version to another draft sometimes all “[Track Changes](#)” are *Accepted* to easier read changes in updates of proposals during our work.

Links in the document: Links and cross links in the document to be written in [xx]. e.g. “in accordance with ETSI TS 102 006 [30]” – the link here [30] shall in the final version link to **1.4 References** / reference no. 30 (link will be made in the final specification by the editor).

Example 1.

Draft update for NorDig IRD spec. v. 3.1

Audio draft v002

NorDig Unified Requirements

for

Integrated Receiver Decoder s

for use in

cable, satellite, terrestrial and IP-based networks

Date: dd.mm.yyyy

Example 2.

6.10 Clean Audio-Dialogue enhancement

Next Generation Audio enable Dialogue Enhancement accessibility services by offering the possibility to adjust the relative level of the dialogue.

For non-NGA modes, the NorDig IRD may support a limited Dialogue Enhancement functionality, known as “Clean Audio” (1) as specified in ETSI TS 101 154 Annex E4 [26]

Today NorDig Clean Audio is limited to receiver mixing/processing of the “Normal” audio without broadcast control metadata (i.e. no AD_descriptor in the PES_private data). This is achieved by implementing an easy way to adjust the balance of the “Normal” multichannel audio between the centre channel and other channels in the audio stream before making a stereo down-mix (when used to boost the center channel compared to other channels via attenuation of the other channels). This also means that for this alternative the “Normal” audio does not include any supplementary PSI/SI signalling.

If implemented, clean audio shall be compliant to ETSI TS 101 154 Annex E4 [26], referring to the “Optional user control of mix of speech and background”.

Note 1: “Clean Audio” was specified as optional in previous revision and might be completely removed in future revisions of this specification.

Note: NorDig will consider mandating this function when A/V decoder chipsets are available with this capability integrated within the audio decoder

Example 3:

Here an example showing step-by-step from proposal, updated proposal to stable draft proposal.

Original requirement text (this example only illustrates an extract from one chapter in specification):

Filename: NorDig-Unified_IRD_ver_2_6.docx

12.7.10 enhanced_message_descriptor

The enhanced_message_descriptor should be supported in accordance with ETSI TS 102 006 [28].

When multiple text messages are available in different languages in the broadcast signal, the NorDig IRD should prioritise the presentation of the text message which matches the IRD’s user preference settings for subtitling language (see section 16).

David D from Company C make a first proposal for updating text in chapter 12.7.10 (SSU working group), adding a stricter requirement for the NorDig IRD and therefore adding it with a grace period original proposed until 1 July 2018:

Filename: NorDig-Unified_IRD_SSU_ver. 3.1_draft v001_20180510_dd

12.7.10 enhanced_message_descriptor

For NorDig IRD supporting SSU notification, the enhanced_message_descriptor ~~should~~ shall be supported in accordance with ETSI TS 102 006 [28].

When multiple text messages are available in different languages in the broadcast signal, the NorDig IRD ~~should~~ shall prioritise the presentation of the text message which matches the IRD's user preference settings for subtitling language (1) (see section 16).

Note 1: Optional for NorDig IRD released before 1 July 2018.

David's proposal was accepted by working group with correction of misspelling from 'notification' to 'notificiation'.

Filename: NorDig-Unified_IRD_SSU_ver. 3.1_draft v002

12.7.10 enhanced_message_descriptor

For NorDig IRD supporting SSU notification, the enhanced_message_descriptor ~~should~~ shall be supported in accordance with ETSI TS 102 006 [28].

When multiple text messages are available in different languages in the broadcast signal, the NorDig IRD ~~should~~ shall prioritise the presentation of the text message which matches the IRD's user preference settings for subtitling language (1) (see section 16).

Note 1: Optional for NorDig IRD released before 1 July 2018.

Richard R from Company D comes with an updated proposal, adding clarification to the end and propose change proposed grace period until 1 January 2019.

Filename: NorDig-Unified_IRD_SSU_ver. 3.1_draft v002_20180516_rr

12.7.10 enhanced_message_descriptor

For NorDig IRD supporting SSU notification, the enhanced_message_descriptor ~~should~~ shall be supported in accordance with ETSI TS 102 006 [28].

When multiple text messages are available in different languages in the broadcast signal, the NorDig IRD supporting SSU notification ~~should~~ shall prioritise the presentation of the text message which matches the IRD's user preference settings for subtitling language (1) (see section 16). If no match, then the IRD shall present one of the available text messages (according to IRD manufacture decision).

Note 1: Optional for NorDig IRD released before 1 January 2019.

Richard's proposal was approved by working group and the final draft proposal become as following:

Filename: NorDig-Unified_IRD_SSU_ver. 3.1_draft v003

12.7.10 enhanced_message_descriptor

For NorDig IRD supporting SSU notification, the enhanced_message_descriptor shall be supported in accordance with ETSI TS 102 006 [28].



When multiple text messages are available in different languages in the broadcast signal, the NorDig IRD supporting SSU notification shall prioritise the presentation of the text message which matches the IRD's user preference settings for subtitling language (1) (see section 16). If no match, then the IRD shall present one of the available text messages (according to IRD manufacture decision).

Note 1: Optional for NorDig IRD released before 1 January 2018.

Example of Start document see:

“Example document - appendix to guidelines for working with NorDig specifications.

Filename: Example_IRD ver_3_0_Audio draft v001