**NorDig Test Group**

Minutes from group meeting

**Time:** Thursday 13th June 2019

**Location:** Conference call

**Participants:** Per Tullstedt, Teracom

Peter Mølsted, NorDig (minutes)

Patryk Romanczuk, Samsung  
Juha Joki, Sofiadigital

Johan Lindroos, SVT  
Jonas Roden, Dolby

# Minutes from last meeting

Minutes from 05.06.2019 approved.

# Input to NorDig Test spec. v. 3.1

Input draft proposals for this meeting:

* From Peter: Common main draft014
* From Per and Juha: NorDig Testplan\_ver\_3.1\_SI draft011

# NorDig Test plan ver. 3.1 Common main draft

Common main draft014 updates / changes from draft013:  
2.7 Audio section - updates from “NorDigTestplan\_ver\_3.1\_Common main draft013\_20190610\_audio\_IRDspec\_alignment”:

* PID and inside NGA prioritization
* APD to be mandatory (July 2020)
* Replaced SS with SpS
* Removed [number] references
* Various small text alignments

Items agreed on group meeting 29.05.2019:

* 7:29 strikeout text shall be removed
* Clean Audio task (7:30) removed

Common main draft014 – Ok.

AP/ Peter, Common main draft015 with merged final SI draft for next meeting.

Updates for coming version:  
*AP/ Per and Lars H, Proposal for Colorimetry (but shall not delay test – not likely to be updated this revision)  
AP/ Pasi send typos / correction to Peter for update in doc.*

# Proposals and actions for updates of NorDig Test plan ver. 3.1. (updated 13.06.2019)

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| --- | --- | --- | --- |
| **Chapter** | **Status and minutes from meeting per task** | **Draft** | **owner** |
| 1. Part I - Introduction | Finalised and merged in to common main draft | Common main draft010 | Peter |
| 2. Part II – Test cases | Finalised and merged in to common main draft | Common main draft008 | Peter |
| 2.1 Task1: Satellite tuner | Finalised and merged in to common main draft |  | Franck M (John W) |
| 2.2 Task2: Cable tuner |
| 2.3 Task3: Terrestrial tuner |
| 2.4 Task4: IP based front-end (managed IPTV) |
| 2.3 Task3: Frontend | Finalised and merged in to common main draft | Commonmaindraft011\_Sony\_rev1 | John |
| 2.5 Task5: Demultiplexing | Finalised and merged in to common main draft | Separate draft for Task 5,9,10, will continue as separate, David will make updated version. | David W. |
| 2.6 Task6: Video | Finalised and merged in to common main draft | Separate draft for video. | Per T (Anders Berglund and Lars Haglund, SVT) |
| 2.7 Task7: Audio | In new AC4 test tasks have to be state; use of special NorDig AC4 test stream + possible that testlab may use own test streams. AP/ Jacobo go through / add, use NorDig test stream or equivalent.  15/5 Jacobo and Jonas, NorDigTestplan\_ver\_3.1\_Common main draft011\_jonas5:  - added APD test task from SI section and moved into audio test tasks (AP for Per T and Juha to remove APD from SI chapter or point from SI to Audio tasks). Task split into two, manual/viewer selection of audio presentation and IRD automatic selection from SI depending on User pref settings.  - 7:45 APD manual selected. Changed name on header test task – OK. Requirement text is from new proposed requirement text into IRD spec v3.1.1 and which is proposed to be moved IRD behaviour from IRD spec SI to Audio section – OK. Now incl message descriptor to be used for the name/text to be presented during manual selection. Pending on if IRD spec mandate message descriptor or if just optional. So far no disagreement in audio group for mandating Message descriptor (in SDT) for APD usage, so likely to be mandated (Samsung still investigating).  7.46 APD automatic selection. AP Jonas/Jacobo to change name of header to easy see that 7:45 and 7:46 are part of similar requirement. Add clarification that languages in test description are just examples that can be replaced by other.  Audio test now very close to be final.  Jonas and Jacobo, NorDigTestplan\_ver\_3.1\_Common main draft011\_jonas5: 7:44 - ok 7:45 only header changed – ok 7:46 changed languages, from english to language 1 e.g. english – ok Audio draft now stable enough to incl. in to Common draft013. Peter/ to merge audio draft in to Common draft013.  Updates will made in the requirements part in all audio test tasks when there is a final version of the updated IRD spec. v.3.1.1.  Johan, NorDig Unified Requirements ver. 3.1\_draft\_APD\_updates\_input\_20190528-II: APD updates for IRD spec. v.3.1.1 – refences for Test plan was discussed. Not ready yet to be merged into the common main draft.  NorDig IRD spec. v.3.3.1 draft audio section is now fairly stable. AP/ Jacobo, copy new APD text into Test plan test tasks and send to Peter.  AP/ Peter, merged APD text in to common main draft014.  Audio section is now completed and merged in to Common main draft014. |  | Jonas / Jacobo / Johan |
| 2.8 Task8: Teletext and subtitling | Finalised and merged in to common main draft | Separate draft for subtitling. | Per T (Kjell Norberg) |
| 2.9 Task9: Interfaces and signal levels | Finalised and merged in to common main draft | Separate draft for Task5,9,10, will continue as separate, David will make updated version. | Video + others: David W  Audio: Audio gr. |
| 2.10 Task10: Interfaces for Conditional Access | Finalised and merged in to common main draft | Separate draft for Task5,9,10, will contiune as separate, David will make updated version. | David W |
| 2.11 Task11: System Software Update | Finalised and merged in to common main draft | Incl in main draft003 | Editor (SSU group) |
| 2.12 Task12: Performance | Finalised and merged in to common main draft |  | Kari E. |
| 2.13 Task13: SI / Service Information | Per + Juha, SI draft007-1: - all changes from d006 removed markup and only yellow text. - numbering fixed. - EIT p/f only today – EIT schedule to be included. AP/Per continue with EIT. - 13:20 table to be updated. - 13:24 parental rating to be updated. - 13:24 update enable audio 8 to 7. - 7:nn Audio prio. – remove to next update, instead in draft from Jonas. - 13:30 standalone doc. from Jacoba. - 14:4 service list, error in HEVC IRD service list expected results. - 14:14 remove HFR, Juha will continue. AP/ Per and Juha continue the work (Per chapter 113, Juha chapter 14)  15/5 Juha, SI draft008-1:  To make it easier to read, accepted all previous changes from draft007-1 into this draft008-1 and only showing with markup new changes.  - Juha and Per T drafting SI+Navigator, as earlier Juha focus upon content/context of test cases while Per T focus on text and updating requirement text to match IRD spec v3.1.1.  - no comments or remarks from the others upon SI draft007-1 or draft008-1.  - Per T mention a bit of complex updating EIT cases this they belong to each other. EIT schedule is partly missing in old cases, however needs to make sure some cases still separate testing of EITpf vs EITsch behavior, AP Per T.  - APD removed to Audio test task, AP for Per T to update SI draft for this.  Per and Juha, NorDig Testplan\_ver\_3.1\_SI draft009: Per worked on EIT scheduled 13:22 Barker channel + 13:23 Cross carry. - Typo in IRD spec. 12.4.2 to be updated. SI draft not yet mature to be incl. in Common draft. AP/ Per to continue and decide if spit cases or keep.  Per and Juha, NorDig Testplan\_ver\_3.1\_SI draft010:  - EIT task 13:17-13-23 - Before 13:17 added IRD requirement text related to EIT (with draft comments which SHALL is tested in what test task 13:17-17:23. Noted that we have missed some SHALL requirements in the current test tasks among things handling of multiple languages).  - Combining old 13:17 with 13:19, making 13:17 more complete to verify basic parts of EIT p/f (text strings from short and extended descriptors)  - Changing 13:19 to instead handle Multiple languages in EIT  - 13:22 EIT schedule via Barker channel and 13:23 EIT schedule is now harmonised/similar context.  Still remains to update 14 Navigator parts (AP Per T/me)  Not yet ready for merge into main draft.  Per and Juha, NorDig Testplan\_ver\_3.1\_SI draft011: No comments to draft010. Per started drafting d011 (worked until Task 14:7) > Servicelist test. Per added for Data service that this is a HbbTV standalone service – only mandatory to support for HbbTV IRDs. Per will continue working on draft d011.  Per and Juha, NorDig Testplan\_ver\_3.1\_SI draft011 updated by Per: Review of the SI draft - almost completed. AP/ Per to send updated SI draft to Peter. AP/ Peter to merged SI draft to Common main draft 15. | Video draft  Audio draft  Subtitling draft  Common draft | Per T. / Juha |
| 2.14 Task14: Navigator | 15/5 Juha, SI draft008-1:  To make it easier to read, accepted all previous changes from draft007-1 into this draft008-1 and only showing with markup new changes.  - Juha and Per T drafting SI+Navigator, as earlier Juha focus upon content/context of test cases while Per T focus on text and updating requirement text to match IRD spec v3.1.1.  - no comments or remarks from the others upon SI draft007-1 or draft008-1.  - added a number of smaller changes to section 14.  - Juha finds now Navigator section fairly up to date regarding content/context. Per T part of updating requirement text etc. remains. | Audio | Audio gr. |
| 2.15 Task15: PVR Functionality | Finalised and merged in to common main draft | Video | Video gr. |
| 2.16 Task16: IRD System Software and API | Finalised and merged in to common main draft | Separate draft for HbbTV draft003, will continue as separate | Juha J |
| 2.17 Task17: UserPreference | Finalised and merged in to common main draft | Audio Video | Audio gr. Video gr. |
| Annex A: NorDig Network Custodians | Annex A: agreed to be removed from Test Plan a presented separately document or page at NorDig website. 15/5 Kari presented proposal AnnexA Network custodians version 2. Proposal was to only/mainly include Testlabs since Broadcasters and Operators is already available via list of members and enough difficult to have update their – agreed. Kari will finalise list to next meeting.  15/5 Where/how to publish document, either as a document or content on a webpage. Group did not have any strong opinion on this, up to Kari and Peter to solve and propose best solution. |  | Kari E |

**Drafts for TestPlan v3.1, latest versions and documents:**

* NorDigTestplan\_ver\_3.1\_Common main draft014
* NorDigTestplan\_ver\_3.1\_SIdraft011 (12.06.2019)

# NGA audio Test streams

Jacobo have completed the NGA teststreams and have send link to the teststreams.

AP/ all to check the teststreams before next meeting.

# Meetings

Planned Telco / Webex meetings:

19th. June 2019, 15:00-17:00 CET