**NorDig Test Group**

Minutes from group meeting

**Time:** Tuesday 21th May 2019

**Location:** Webex meeting

**Participants:** Per Tullstedt, Teracom

Peter Mølsted, NorDig (minutes)

David Woolgar (TP Vision)  
Patryk Romanczuk, Samsung  
Jonas Roden, Dolby

Johan Lindroos, SVT

# Minutes from last meeting

Minutes from 15.05.2019 approved.

# Input to NorDig Test spec. v. 3.1

Input draft proposals for this meeting:

* From Jonas and Jacobo: NorDigTestplan\_ver\_3.1\_Common main draft011\_jonas5.doc
* From Per and Juha: NorDig Testplan\_ver\_3.1\_SI draft009
* From Peter: Common main draft012

# NorDig Test plan ver. 3.1 Common main draft

Common main draft012, no comments.

Updates for coming version:  
*AP/ Jonas and Johan, Change APD to be mandatory (July 2020)  
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 21.05.2019)

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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. |  | 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. | 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 draft012
* NorDigTestplan\_ver\_3.1\_SIdraft009
* NorDigTestplan\_ver\_3.1\_Common main draft011\_jonas5

# NGA audio Test streams

* Jacobo ongoing, trying to opdate to NorDig comments.

# Meetings

Planned Telco / Webex meetings:

29th. May 2019, 15:00-17:00 CET  
05th. June 2019, 14:00-16:00 CET

# Estimated time plan

Finalize Test plan to 21.05.2019 or end of May 2019  
Finalize IRD spec. to end of May 2019