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# DTVKit Technical Meeting – 16/10/14

Present: Chris Aldworth (OBS), Paul Martin (OBS/DTVKit), Sergio Panseri (OBS), Adam Sturtridge (OBS), Steve Ford (OBS), Nigel Roles (BCM), Oliver Mclearly (BCM), Michael Bow (BCM)

Phone: Christof Winker (EK)

Next Meeting : 15/01/15

## Announcements

Antitrust commitments reminded.

## Apologies

Kevin Lee (Tatung), Karl Wood (EK)

## Items

Actions from Previous meeting

### Item/Responsible

1. Consider how we collected and publish data regarding what compliance test have been passed.

Action: OBS-PM, BCM -PC, BCM -KM. to discuss

Action: OBS to run through Freesat and HbbTV 1.1 test suites and publish on Website. Check before each TSC whether members have certified any solutions since the last meeting. Make it a standard part of the TSC agenda.

1. To ask board for teletext 2.5 funding. Roadmap??

OBS-CA – Is there still a requirement for this?

Action: Leave open. Re-examine subtitle componentization if we need to open up the engine for timed text etc.

Decision: Still desirable but no members have a plan

1. Memory Usage, measurement & Optimization - BCM to add new feature ticket to Mantis to open the discussion of putting in debug at runtime.

Action: SP-OBS

Sergio has added some comments on run time debug.

Action: BRCM to take a look at Sergios (OBS) post and see if we can standardise on this approach.

Decision: Ambition remains to have a standardised way to have debug.

1. Path / Tuners - SF To look at getting a diagram specifically for resource management drawn up for DTVKit./

Action: OBS-SF – It was suggested that this should now be a higher priority.

Decision: Closed – Work complete

1. Check the wiki to see if it possible to setup wiki notifications.

Action: OBS-CA.

Decision: Closed – Work complete

1. Add an Other Category to mantis.

Action: OBS-CA

Decision: Closed – Work complete.

1. To discuss policing Mantis/GITHub.

Action: CA/PM-OBS

Action: OBS-CA to police on a regular basis

Decision: Closed – CA to regularly check repo Mantis and clean.

1. Put together a coding standards on the Wiki.

Action: OBS-CA / SP

Action: All to Check and will be approved within 1 month if no feedback

Decision: Coding Standards are now in draft form on wiki for all to review and feedback.

1. Check about automatically setting up automatic uncrustify before a commit

Action: BCM -TB

Action: Don’t run uncrustify in DSM-CC

Decision: Closed – No action needed, Uncrustify is used before new release.

1. Change of API into Mantis workflow.

Action: OBS-CA – Add to workflow

Action: OBS-CA proposal accepted. Add a mail list for letting people know that there has been an API change.

Decision: Ensure that each API change is discussed in a forum thread so that any subscriber is informed of a change.

1. Test harness on the DTVKit is becoming critical.

Action: OBS-PM

Decision: Closed – It was decided that the App can be used to test functionality.

Action: OBS to suggest a test plan.

1. Start a forum discussion for commonalities on the components.

Action: BCM-NM

Decision: Closed – Not completed, but not seen as a high priority task.

1. Look at externals code regarding having a separate headers repository

Action: BCM-KM

Decision: Leave open BRCM to reexamine

1. Debug -- how much, levels, on/off by default (if compile time) common techniques for all modules.

Action: OBS-SP to open forum discussion.

Decision: Repeat

1. Mantis-140 (MHEG) may be slightly related to the above and needs to be looked at.

Action: OBS-AS to investigate.

Action: BCM to attempt to reproduce

1. Mantis-87 (MHEG) is an issue on BCM platform.

Action: OBS-AS – To provide URLs to BCM to investigate.

Action: Closed – Fixed.

1. Mantis-161: Application segvaults after IP playback reaches the end of playback.

Action: BCM-OM To check on this and attempt to reproduce

New Agenda Items

1. Technical Documentation: The Technical Steering Committee (TSC) should come up with detailed points of what is required to improve the technical documentation. Once received, a DTVKit notice should be put on the website for tender with an agreed deadline.

Action:

Decision: Snapshot documentation at a release point. What does this mean? Wiki should reflect the latest situation.

Candidates for funding

* Simpler sample code would be helpful.
* Runtime behavioral model (what should be called in what order) Design document
* Use the forum to collect feedback on which areas are poorly documented and areas to improve
* Will request 36 days of consultancy for documentation improvement.

1. SWIG looks like a good way to test our components individually. It was decided that this was the direction that should be investigated further. SP-OBS and CA-OBS have now investigated it and can now discuss further.

Action: OBS to suggest a plan for testing based on the discussion within a week.

1. Moderators and their responsibilities. What happens when a moderator has other commitments? What happens to their open Mantis tickets?

DVBCore – Tomek (BCM) replaced by Oliver (BCM)

MHEG DSM-CC – BCM resigned no replacement

HbbTV Oliver resigned – go to Karl Wood (EK)

CI+ open

1. Pulling out headers to a separate repository together with tools and if this is going to happen. By default at the moment you can’t compile externals as components are meant to be individual.

Action: BCM-Oliver to start a Forum discussion.

Maillists – Any comments?

Action: OBS – Setup BCM for TSC and add new maillist for API change.

Forum – Any comments?

Decision: All fine

Mantis/Github:-

* 1. What improvements can be made?

Decision: All fine, already discussed.

Roadmap

OBS – DVBCore (Freesat), HBBTV additions, Resource Manager improvements. DTVKits HbbTV using Ekioh browser.

Run through Mantis tickets raised for discussion

Mantis-195 - Use C99 boolean (Discussion about techtype.h)

Action: Having a common area would resolve, BCM-OM will start forum discussion on what common headers are needed

Mantis-162 - Invalid transport ptr address is used as index into transport list is out of range. A change request can be made from Broadcom this?

Action: BCM -OM to check and change status as necessary.

Mantis-218 - MHEG IFrame scaling doesn't result in a call to the platform

Action: BCM -OM to check and change status as necessary.

Mantis-20 - How can an individual stream be found using identifiers?

Action: BCM -OM to create a feature request.

AOB –

BCM request a demo of Ekhio browser once work is completed - binary would be ok.