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# DTVKit Technical Meeting – 12/06/14

Present: Paul Martin, Sergio Panseri, Steve Ford, Chris Aldworth, Tomek Bury, Kevin Malone, Oliver Mcleary, Neil Matthews

Next Meeting : 24th July 2014

## Announcements

Antitrust commitments reminded.

## Apologies

Jason Nash

Action: - Send these minutes to Jason Nash

Decision: - Minutes should be circulated before the next meeting and approved by email. The minutes will be published on the website once approved

Decision: - No subcommittees at this stage but to be reviewed in each meeting

## DTVKit (Non Component Specific Topics)

### Mantis

Action:- Ocean Blue to start raising Mantis tickets

Decision:- Top level Mantis tickets should be raised for features and approved by the TSC. Sub issues should be attached to these. Bugs may be standalone.

Decision:- No pushes to be accepted unless there is a corresponding Mantis ticket

Decision:- New feature discussions should start in the forums but a Mantis ticket must be raised before approval by the TSC.

Decision:- Need some email reflectors. Which ones to be defined.

Action:- CA Add a documentation category to Mantis

Note – If some components are not of interest to many members then the TSC may delegate a significant or total responsibility to a sub-committee.

Decision:- Mantis Bug Workflow

* New - Moderator should monitor the new bugs and make sure they are correctly allocated
* Allocated or Feedback
  + Allocated means somebody has volunteered to fix it
  + Feedback is used where moderator feels the bug description is not clear enough
* Resolved – Has been fixed in private branch
* Review – Moderator (bug) or TSC(feature) are reviewing whether the issue will be accepted or rejected.
* Accepted – fix has been reviewed and accepted by the moderator
* Rejected – Moderator has rejected the fix but the author plans to take no more action.
* Referred to TSC.

Action CA: To check analogous communities to see what they do.

Action CA: Document proposal and upload as a thread in the forum.

Action CA: Make sure Mantis differentiates between Bugs and Feature.

Decision: Bugs and Features will use same workflow.

### Github

Decision: DTVKit will only maintain one stable version at a time. If a member chooses to apply a bug fix to an older version DTVKit will not host bug fixed versions. Members may share bug fixed versions between themselves

Decision: Change Moderator to Maintainer

Action: Nominate Maintainers per component. Need at least two per component

DVBCore Steve Ford (OBS) Tomek Bury (BRCM)

HbbTV Sergio Panseri (OBS) Oliver McLeary (BRCM)

MHEG Adam Sturtridge (OBS) Neil Matthews (BRCM)

DSM-CC Adam Sturtridge (OBS) Neil Matthews (BRCM)

CI+ Sergio Panseri (OBS) Peter Stanton (OBS)

App Steve Ford (OBS) Chris Aldworth (OBS)

Decision:- Maintainer will be nominated at the point at which the bug/feature moves from Resolved to Review.

Action: CA will see if it is possible to introduce some logic in Mantis to do this automatically

Decision: TSC can choose to allow any member write access to the wiki

Decision: Broadcom will contribute to the wiki

Action: CA Open wiki access to Broadcom

Decision: Accept Tomek’s Github proposal

Action: BROADCOM to add it to the wiki

### Complience Testing

Action: PM Consider how we collected and publish data regarding what compliance test have been passed. Discuss further with Kevin and Paul Cox

### Binary Release

Action: Kevin to raise a Mantis ticket related to improving the ease of generating a binary and publishing the headers in an inc file

Action: Steve review what headers are public versus private

### Roadmap

Action: Paul M, Paul C and Kevin discuss roadmap

Action: Paul M to ask Governing board whether it wants to fund some documentation

### Documentation

Action CA- check if Sunrise programmers guide can be made useful

### Testing

Action: Document that Test environment doesn’t work on 64bit platforms

Action: PM Raise Mantis tickets for improving the test environment- platform tests higher priority than removing the UI from the DVBCore test.

## DVBCore (Component Specific Only Topics)

### Mantis Items

A discussion on each open Mantis item.

#### 0000010 - Fast channel change are not thread safe.

Action: Broadcom (OM) to Retest issue to see if the issue still exists with latest 1.1.0-dev branch.

Action: OBS (CA) to push coverity changes of branch so far.

This should be done by next release

#### 0000011 -  Leaks tasks/mutexes/semaphores/queues on shutdown

Action: Broadcom (KM)This is agreed as a new feature and should be made available for the next release

#### 0000019 - Function DeleteOutOfDateEvents() in ap\_si.c does not delete all out of date events.

Action: Broadcom (OM) To run DTG test to see if the issue still exists. Should be available for the next release

#### 0000020 - How can an individual stream be found using identifiers?

Action: Broadcom (NM) To create a feature request. This should be available for the next release.

#### 0000021 -  Should ADB\_GetServiceListHdFlag(), etc. return (BOOLEAN \*) ?

Action: OBS (SF) To provide a fix which should be available for next release.

#### 0000022 - Tool for generating Huffman table header files from Freeview lookup tables

Action: OBS (SF) To provide notes to the header file. This should be done for the next release.

#### 0000023 - For portability should save country code, not country id to NVRAM.

Action: OBS (SF) To provide fix for the next release.

#### 0000032 - Add UHD TV support

Action: OBS (SF) To accept pull request

#### 0000031 - Building for test enviroment on 64-bit system causes crash

Action: OBS (CA) To make sure that the documentation states that the test environment on not accepting 64 bit.

#### 0000033 -  Dangling pointer in MHEG5 action queue

Action: OBS (AS) To investigate. Broadcom to see if they can narrow down to find out why this is happening.

### Teletext separation

Decision: Currently there is a discussion on forum, it has been agreed that this will move to Mantis as a new feature.

Action: SF (OBS) NM (BROADCOM) to continue the discussion on mantis and discuss separating the issue into subcategories.

### Subtitle Separation

Decision: This should be added to Mantis as a New Feature.

Action: SF (OBS) NM (BROADCOM) to continue the discussion on mantis and discuss separating the issue into subcategories.

Decision: It was discussed that both of these modules will live under DVBCore for now. If we need to move these as separate components, in a different repository, then that can happen in the future.

## Memory Usage, measurement & Optimisation

Action: Broadcom to add new feature ticket to Mantis to open the discussion of putting in debug at runtime.

## AOB

### Freesat

Decision : There will be OIPF extensions and freesat specific API changes made that will go into the HbbTV component. That was accepted by Broadcom.

### NPAPI Plugin

OBS Still looking for a alternative for the current NPAPI Plugin for HbbTV.

### Path / Tuners

Broadcom discussed the fact that it was difficult to understand the different meanings of the term “Path” . SF explained the meaning.

Action: SF To look at getting a diagram specifically for resource management drawn up for DTVKit.