ATTENDEES

ARCIE- **Ming Li** (voting), Emily Wang, Wengjie Wang (1/0/0/1/0/1)

HP – **Dong Wei** (voting (1/1/1/1/1/1)

Insyde – Maud Teng (voting), Chuck Apodaca, Jeff Bobzin, Carson Chiang, **S.L Sheu**, (1/1/1/0/1/1)

Intel – **Ju Lu** (voting), Mark Doran, Shiva Aditham, **Ruth Li**, Mike Rothman. Laurie Jarlstrom, Gary de Leon, Wenjie Jiang, Hot Tian, Myron Porter, Auber Lin, David Huang, **Eric Jin** (1/1/1/1/1/1), Michael Krau, Harry Hsiung, Bailey Cross, **Brian Richardson**

Phoenix – Eric Landry (1/1/1/0/0/1) **Dick Wilkins**

LSI – **Uma Parepalli** (1/1/1/1/0/1)

ARM – Dan Handley, **Nagi Chodem** (0/1/1/1/1/1), **Andrew Sloss**

We now have 7 active members. 5 is the magic number.

Byosoft - Kangkang Shen (voting), Colin Wei, Jane Nie, Camus He, Xiaochen Xin (0/1/0/0/1/0)

Discussions

1. Mantis Items.
   At today's USWG meeting, we have decided that Microsoft's interpretation of the signedData using unwrapped P7 is the correct interpretation of the UEFI Spec. Therefore Intel is asked to fix the code for Tianocore and SCT. Eric, when Intel fixed this code for SCT, could you close Mantis 830?
   Mantis 834 is waiting for HP additional input.

2. Insyde Taipei Plugfest
   The dates and location are set to be Oct 24th-27th at Holiday Inn East in Taipei. Registration is open. There will be 6 presentations at lunch time from the 6 sponsors (Insyde, AMI, Phoenix, Microsoft, AMD and Intel). Some 90 people have registered so far.

3. SCT planning
   ARM patch to 2.3 is submitted to the UTWG. SCT Documentation will need to be modified to include the ARM specifics. Nagi is working with Myron on that front. UTWG has presumptively approved this patch. Once the documentation is fixed, I will send it for Board review. The Board will have a meeting on Oct 4. At that time, the Board can either agree to my proposal that this is a missing piece for SCT 2.3 and therefore can be considered as errata, or they can vote to approve as "new" material. The target is to have it released before the Oct plugfest.
   Moving forward, ARM expressed the desire to have the ARM test code integrated with the rest of the 2.3.1 code so that future releases would be x86 and ARM inclusive always. Intel expressed they don't have resource/time to integrate. ARM has done the integration with the 2.3.1 preview release and has submitted the result to UTWG so that Intel can merge with the ongoing 2.3.1 SCT work.
   However, Intel does not have the resource to merge before the plugfest. Intel committed to provide resource to merge before the final release of 2.3.1 SCT. I requested that the merge happen as soon as possible after the plugfest and before te beta release so that we do not get surprised of any issues at the last minute. The early the merge happens the better.
   We also plan to have SCT 2.3.1 alpha release one week before the Insyde plugfest. Alpha release should include the new tests for secure boot, ATA pass-thru, BlockIo/BlockIo2. Testing for Storage Security Command for eDrives is not able to be included at that time due to eDrive access issue in China. The alpha release will provide a binary package for all architectures. ARM will provide a binary for Intel to include in the binary package.

- **Future Meetings**

10/12/11 7am Pacific.

New Action Items

20110921.01 – Eric/Ruth

Set up the bridge for the 10/12 meeting.

20110921.02 – Nagi

Fix the documentation for SCT 2.3 ARM patch, including Windows build info that SL requested. Submit the Release Candidate for the patch to UTWG. Due date, 10/1/11.

20110921.03 – Nagi/Ruth/Eric

Nagi to assemble the SCT 2.3.1 binary and send to Intel for packing with binaries for other architectures. Ruth/Eric to make SCT 2.3.1 alpha binary package available to UTWG and Plugfest attendees. Due Date: 10/18/11.

Open Action Items

20110511.02 – Dan/Nagi/Myron

In preparation of the SCT 2.3 patch for ARM, generate a Release Note documenting what works, what does not work; also review the SCT 2.3's Test Case document to figure out if additional test cases need to be documented there. Make these available to UTWG. If approved, Myron can help integrate into the corresponding documentations.

>> This will be done after the gcc support and the remaining issues are addressed. Currently shooting for an Oct patch available for the Oct plugfest

>> Nagi has sent a message to Myron to get this work completed.

>> Nagi has the doc, needs to complete the fix

20101109.03 – All

Check into European vendors' interest in a plugfest in Europe. Also start thinking about the 2011 plugfest roadmap

>> European plugfest is targeting 2012. Dick indicated that Tony may have seen interest there.

Closed Action Items

20110511.01 – Ruth/Kangkang/Dan

Identify the source for ValidHiiImage1 and make available to ARM Ltd.

>> Still chasing down the source file

>> Eric will continue to track down the source file from email archive. It turns out that Byosoft contributed the code, but the source file for the code is not archived at Byosoft. The developer of the code has since left the company. We will need to see if we can find the file and if not will need to work to recreate the code

>> Eric found the source code, not sure if it is the latest, but this should give ARM the basis for developing the ARM build. Need to confirm from Dan.

>>closed

20110511.03 – Dan/Nagi/AndrewFish

Dan/Nagi to discuss with Andrew Fish to find out what changes have been made to gcc, and try to drive the changes to the gcc. ARM now also owns the gcc support effort for SCT. The current SCT ARM port uses ARM tool chain.

>> It turns out that this is a small item. ARM Ltd is on top of the issue, has been able to build with gcc 4.5.2 on ubuntu, working on gcc on windows, and will also do regression with MSFT tools

20110511.04 – Dan/Nagi

Once the ValidHiiImage1 and the driver paging issue are resolved, prepare a package of SCT with the ARM code, this along with the Release Note and Test Case updates could be the candidate for the SCT 2.3 Patch Release for ARM

>> Driver paging issue is being worked on

>> Issues resolved, closed

20110511.05 – Dong

Discuss with Mark Doran on the lack of resources for SCT development. The coverage gap starts to appear in 2.3 and is widening for 2.3.1.

>> discussed, see discussions

20110426.01 – Dong

Check to see if Authenticated Protocol and KMS Protocol are part of the secure boot feature set

>> Those are optional, so do not raise to the highest priority

20110426.02 – Uma/Ruth

Discuss the HII, EFI_Handle valid/invalid and DevicePath categories

>> discussed and it seems there needs to be clarifications in the spec. Dong will forward discussions to USWG

>> Close mantis 780 approved

20110222.01 – Ruth

Investigate and create the table of new test cases for 2.3.1.

>>Done

20110222.02 – Ruth

Setup phone bridge for the 4/27 10am PRC time meeting.

>>Done

20101109.01 – Ruth/Dong

Submit 2.3 SCT package "as is" to Board for approval as Final Draft after Ruth confirms the fix plan

>>>Done

20101109.02 –Ruth

Send in email the analysis of the SCT results Insyde submitted

>> Done, SL to tell vendors to resolve issues with Ruth.

20101026.01 – Lu Ju/Ruth

Seek internal approval on items 1, 8 and 11. Provide a schedule for the development completion.

>>Intel not able to, release current version as is, later release as patch

20100831.01 – Andrew

Discuss with ABST for an owner to own the ARM side of the SCT. The owner will continue to drive the closure of the ARM port (paging and time counter) issues and work with UTWG to determine when to integrate the ARM portion into the SCT release.

>> ARM, Ltd. now owns the ARM port

20100831.02 – Andrew

Enter in the Mantis the request for Intel to support gcc compile. And to request Intel to make the ValidHiiImage1 source code tavailable.

>> Done

20100831.03 – Ruth

Scope the gcc support effort. Discuss with Mike Kinney on the gcc version. Make ValidHiiImage1 source available

>> Intel's assessment is that the gcc support requires significant work and Intel may not have the resources.

>> The gcc support is monitored by a new AI, so as the ValidHiiImage1 source

20100831.04– Uma/Ruth

Was **20100817.01** Get the Driver Health protocol test into the SCT

>> Not able to accomplish this for the plugfest release

>> Not able to deliver, closed

20100817.02 – Andrew/Ruth/Dong

Assess the SCT 2.3 ARM port readiness

>> Done

20100706.01 – Bailey/Harry/Dong

Dong/Harry/Bailey to work out a way for the attendees to send in the SCT results for analysis.

>> Done

20100706.02 – Bailey/Dong

Bailey will send Dong the word file for the UTWG invitation letter to members. Both will work with the UEFI Admin to send the letter to the UEFI members

>> Done

20100427.01 – Tim/Harry/Dong

Work on the proposal for having UNH-IOL be the facility to test PXEv6 and submit to the Board

>> UEFI implementation, OS implementation needed

>> UEFI/IETF/UNH/MSFT had a meeting during the Du Pont plugfest. IETF will send UEFI an MOU for establishing an alliance between the two entities. Also due to the more open nature of the IETF teams, the thinking is to have UNH-IOL drive a team where UTWG members can join to develop the test cases for the boot over IPv6. And the tests developed for these test cases could be part of the IPv6 Ready logo process. More work to follow.

>> IPv6 Forum has sent UEFI Forum the MOU template. UEFI Board is reviewing the MOU, the IPv6 network boot test model and governance, etc.

>>UEFI Board meeting on this is expected in late October.

>> Board meeting is postponed to Nov

>> MOU is worked on

>> MOU has received Board Approval. In discussion with IPv6 Forum to see if any modifications needed.

>>waiting for IPv6 Forum to sign

>> No urgency to sign, this item is closed.

20100427.02 – Laurie

Check inside Intel if Shell SCT is something that can be provided

>> Ruth to discuss with Laurie and Jaben on the requirements. Ruth pointed out that SCT already depends on the Shell to launch do SCT is already assuming Shell to work.

>> Intel Internal discussion now, will report back the findings

>> Still looking into it, open question

>> We decided that there is no urgency from the UTWG side to address this. We will let the usht subteam to figure this one out. Our focus will continue to be on the current SCT. We do not have resources to do this investigation or develop the test code. Current SCT depends on the old shell and does not test the shell protocols, new or old. Current SCT is said not to work on the new shell. It does not seem that we can port to the new shell and depend on the new shell yet since the new shell assumes HII which may not be implemented on many existing systems. The recommendation is to have the SCT to continue to run from the old shell, and for systems that only support the new shell compliant to the UEFI Shell specification, there will be a mechanism for the old shell to run on the new shell. This would allow the SCT and many existing UEFI applications to run.

>> Dong sent email notifying USHT

>>Close

20100427.03 – Lu Ju/Dong

Figure out Alternative for the Test cases previously owned by Phoenix that Phoenix can no longer deliver.

>>KangKang to check within Byosoft to see if there can be resources to help cover these pieces.

>>Byosoft could not find resources now. Ruth to check whether Intel can do the ATA pass thru protocol test, Dick to check again internally in Phoenix to see if resources are available for the User Identification and authentication side.

>> Intel starts to develop the tests for the ATA pass thru. Dick to continue to check for the user identification and authentication tests, but their final inclusion in the SCT final release is opportunistic at this time.

>> Uma suggested that we check with Dell

>> Dell answer is no

20100427.04 – Uma

Integrate the LSI, Dell owned pieces into the SCT

>>Both are working on the tests and the integration with the Intel released SCT package.

>> Richard is done with the FMP, now this action item is with Uma only

>> Separately tracked

20100427.05 – SL/Dong

Let Laurie know what help Insyde needs help (e.g., announcement letter to members, etc.), Dong will request approval from Board to sponsor the plugfest with the usual $3000 value.

>>Board has approved the funding to sponsor the plugfest in Taipei.

20100427.06 – Lu Ju

Help set up weekly meetings logistics from May 4 to the week before plugfest, skipping the week of May 11.

>>Done

20100302.01 – Dong Wei

Request the Board to fund the plugfest, check with USWG on the UEFI 2.3 spec errata publication schedule, check with Phoenix on their UEFI 2.3 SCT deliverable status, check with ABST on the ARM binding tests

>> The Board is to fund. UEFI 2.3 errata document was published. Phoenix cannot deliver the previously committed items in SCT. ABST is focusing on implementations, SCT development is too early. Will let UTWG know when ready. Phoenix now participates in the ABST.

20100302.02 – Uma, Richard

Work with Ruth Li on the integration of the contributing test code

>> Replaced with new AI.

20100302.03 – Ruth, Uma, Richard

Check to see if the tentative proposal of the UEFI SCT 2.3 release schedule is workable

>> Intel has released their portion, now it is LSI and Dell's task to integrate.

20090915.01 – Ruth

Provide a summary about the interfaces that we don't see implementations.

>>Done

20090707.01 – Ruth

Set up bridge for August and Sept,

>>Done

20090707.02 – Uma

Review Test Writer's Guide.

>>Review after current project (end of August), proceed with the document for now, comments later, looks OK for now

20090609.01 – All

Review the SCT code base proposal, and the DHP test case proposal and ready for disposition next time

>> Uma updated the proposal

>> Rev C is on Mantis, Eric is to review. Get ready by next meeting. "disposition" here means that the approval will lead to Myron's integration into the Test Case document. It does not mean the test is developed, that is a separate task. Also, after the development of the test, there may be reasons to modify the test cases, in which case new ECRs will be submitted for us to manage. Before publishing the SCT, we will verify the test cases match the tests.

>> Proposal accepted

20090512.01 – Dong

Discuss offline with Myron about the roles and responsibilities guidance.

>> sent message to Myron

>> Done

20090428.01 – Lu Ju/Ruth

Set up phone bridge for the next two months

>>Done

20090428.02 – All

Check to see if there are comments/issues wrt UEFI 2.1 SCT

>> Done, no comments.

20090428.03 – All

Check to see if there are PI 1.1 compliant implementations ready for PI 1.1 SCT testing

>> send this question to PIWG.

>> No response. Assume no systems complying to PI 1.1 are immediately available. Will wait for the desire for PI 1.1 SCT to be generated. UTWG will not take any actions before then.

20090317.01 – Lu Ju/Ruth

Coordinate the contributor members to select the codebase for SCT 2.3

>> On-going

>> Intel made a proposal to use EDK II. UTWG is in review.

>> Reached the consensus on using EDK 2 as the codebase for SCT 2.3

>> Test Case Writer's Guide available from Intel. SCT 2.3 contributors should review. Also Intel will make another Contribution to move SCT 2.1 Final to EDK 2 as the basis. Contributors can then develop the 2.3 tests on this new basis. Timeframe: quickly, before next meeting, uploading to member page. Milestones (Intel milestones will be shared with Contributors, other Contributors can also share their plans, this is crucial for integration): guidance is 1 yr after spec release.

20090210.01 – All

Should we have the next SCT to cover both 2.2 and 2.3? Should we have the next SCT based on EDK 2?

>> Done. We recommend skipping 2.2, and the SCT codebase selection needs to be coordinated.

20090210.02 – Garrett

Ask Dell if they would be contributing the tests for the Firmware Management Protocol.

>> Get a closure

>> Done (Richard Chan is the contact)

20081202.02 – Ruth

Provide update on when the update of the SCT will be available.

>> will know by next meeting

1/13>>Done

20081202.01 – Thibaut

Mark the ownership info for the table above for UEFI 2.2 SCT development

1/13>>Done

20081202.01 – Ruth

Set up bridge for meetings from 1/13/09 for 3 months on the bi-weekly basis at 6pm Pacific.

>>Done

20081111.01 – All

Run the UEFI 2.1 SCT beta

>> Some did.

20081028.01 – Dong

Work with UEFI Admin to send a reminder to members to test UEFI SCT 2.1 beta with the current plan dates

11/11>>Done

20081028.02 – Ruth

Provide an outline of what needs to be developed for UEFI 2.2 SCT.

11/11>> Done

20081014.01 – Intel and ABST

The tasks from the ARM UEFI SCT discussion

Potential tasks

1. **Build SCT on EDK 2 with compatibility package on x64/x86 (Intel) – possible big work/or Find out which needs to be changed from EDK build for SCT (Intel)**
2. **Choose compiler tools: EDK 2 larger range (MSFT and gcc); EDK (ARM windows/linux) – pending the decision from step 1**

3. **Investigate hardware available (ARM)**
4. **Libraries port to ARM (Apple for EDK 2 if can be offered into tianocore – legal approval needed)**
5. **UEFI support on the hardware/simulator (Andrew F can help ARM(?) to build UEFI on a ref platform)**
6. **SCT ARM development (Intel to own the overall responsibility of packaging, ABST members to contribute the ARM pieces)**

>> Ruth sent a slideset to cover 1). Dong to follow up with ABST to see if there is any need for a conference call for discussion (regular ABST time does not work for Ruth, 4am Sat.)

>> Raise this again with ABST in light of the next SCT 2.3 development

>> It is raised to ABST and it is put on the list of items that ABST is responsible for driving

>> ABST members are working on the implementations now. HP has done an EDK-based port, Apple has done an EDK-II based port and it has been contributed to the tianocore EDK II project. Phoenix has verified that the EDK II code works on their reference board, and is in the process of moving Phoenix code base support on that board as well. Once these implementations are working, ABST members may be interested in seeking SCT development for the ARM side.

>>Andrew Fish: I've got the SCT 2.3 compiling for ARM. It has not been tested. The driver that does paging has not been ported, and the test that requires a binary has not been ported as there is no way to generate the binary.

The hard part of getting it to compile was all the multiple definitions of items in the code base. So we probably need to have a discussion about the right way to fix some of the issues. I will post an archive of the port in the next few days.

>> Need to work with Andrew to figure out the missing pieces

>>Discussed with Andrew, see minutes(8/31/10)

>> ARM Ltd. is the owner now. Newer AIs are generated to move forward on the effort

20080923.01 – Ruth

Set up phone bridge info for the rest of the meetings this year.

10/14>> Done

20080909.01 – SL, Lu Ju

Check internally within Insyde and Intel to see if HP's proposal to exclude Itanium SCRT from SCT is OK.

9/23>> Done. Insyde needs Itanium SCRT.

20080909.02 – Thibaut/Craig

Check to see if Phoenix can help on the UEFI 2.2 SCT development, especially in the Security area where the majority of the proposals were from Phoenix.

>> Needs more time to determine

>> Closed

20080909.03 – Dong

Check to see if ABST can help in finding resources in helping the UEFI 2.3 SCT development for the ARM bindings.

>> replaced with 20081014.01

20080909.04 – Dong

There is a discussion on organizing a plugfest in 2009. UTWG will work with ICWG on the organization.

>> Byosoft is considering helping organize one in China in 2H09. Question remains if we need to have one in the US, if so, when/where.

>> keep revisiting. Challenge is the economic condition and the cost cutting measures in companies that make the hosting, sponsorship and travel close to impossible at this time for some companies. Not sure how long this pessimism would last.

>> Standby and depend on UTWG decision

>> I removed the UEFI funding for the fall Plugfest. The spring one is still available, will wait and see.

>> event likely to happen, Byosoft plans to have one in China in October, 2009, just a headsup now

>> Feedback: lots of travel restriction for international companies. Can host one when the economic gets better. Byosoft is willing to host, and it is flexible of the timing.

>> 2009 turned out to be a year for the companies to survive economically, no way of organizing a plugfest

20080701.01 – UTWG

Due bandwidth issue, Ruth Li would like to hand over chairman of MTST; current MTST active members are Dell, HP, Intel and LSI. We call for volunteer nomination from UTWG.

>> No volunteer yet.

>> Intel nominated Sean Xing to chair MTST,

7/29/08>> Approved

20080729.01 – Sean Xing

Sign up the mtst reflector (Myron can help), find out the members of the subteam. After that, kick off and manage the subteam to define the deliverables and start work on them.

9/9>> No update

11/11>> Close if no response next meeting

>>Closed

20080618.01 – Power

Update the 4 ECRs and do ECR review next meeting

7/2>> #286, #297 & #298 have been passed, Power will update #295 in next meeting

>> Done

20080604.01 – Kangkang

Translating the UEFI Press into Chinese

6/18>> Translation is done and posted on http://soft.ccw.com.cn/news/htm2008/20080617_447167.shtml. Also send to Dong a link for posting on www.uefi.org.

>>Done

20080520.01 – Greg Cagle

Evaluate IHV SCT to see if it is suited for the logo testing for the IHVs.

6/18>> Microsoft is working on evaluation, and made some progress, will provide some details next meeting.

9/9>> Update at next meeting

9/23>> Postpone for discussion to 2/09

2/10>> Dong to check with Greg

>> Closed, on hold till notification

20080520.02 – Greg Cagle

Provide a list of UEFI interfaces Windows uses so that UTWG can attempt to package a test for the OEM/ODM testing for Windows logo.

6/18>> Same as 20080520.02

9/9>> Update at next meeting

9/23>> Postpone for discussion to 2/09

2/10>> Dong to check with Greg

>> Closed, on hold till notification

20080508.02 – Greg/Dong/Ruth

Determine the meeting date/time to accommodate Greg. Also Ruth to setup bridge for future meetings when the date/time is found

>>Done

20080320.01 – Ann/Ruth

Discuss a way to report "skipped tests"

>> Will be in SCT Alpha release in end/April.

20080306.01 – Lu Ju

Template for the SCT Compliance claim guidance

3/20>>Done

20080306.02 – David Huang/Terry Lee

Finalize the resolution for SCRT by end of March.

>> Not yet done, Intel has provided potential fixes, HP is short-handed in the testing side for a fast resolution

6/18>> No update, still waiting for HP's update

9/9>> HP made a proposal, if approved, can close this item

9/23>> Revisit at SCT 2.1 final release time

2/10 >> email discussions between HP and Intel

2/24>> Resolved

20080221.01 – Dong Wei

Work with UEFI Admin to send messages to promoter/contributors about the MTST work to seek if additional members would join the MTST; also send a message to promoter/contributors about whether/when/where to host a plugfest this year.

>> Done

20080221.02 – Ruth Li

Arrange the phone bridge info for the next four meetings as scheduled. Send out the UEFI Training logistics to UTWG.

>>Done

20080110.01 – Intel/HP

Remove the UEFI SCRT dependency on DXE and test on both Intel and HP systems

1/24>> Offline work between Intel and HP seemed to have addressed the DXE dependency issue, however, two additional issues were identified: 1) dependency on PC-AT legacy hardware for display test results 2) unsuccessful going virtual mode. For 1) the recommended approach is for SCRT to search for DIG64 PCDR and Microsoft SPCR table for console UART info for displaying test results; only when neither table is found on the system try bang the Com1/2 or Port 80 directly. This needs further offline investigations.

3/6>> Intel updated the test, HP is still testing

6/18>> No update, still waiting for HP's update

9/9>> HP made a proposal, if approved, can close this item

9/23>> Revisit at SCT 2.1 final release time

12/2>> Intel made progresses, still issues, continue the investigation

2/10 >> email discussions between HP and Intel

2/24 >> Resolved

20080110.02 – Dong/Mike

Resolve the HII Spec clarifications from USWG

1/24>> Mike Rothman is owning this in UCST and eventually at USWG for clarifications into the next UEFI 2.1 errata

3/20>>Done, ECR is filed and pending approval

>>Close. ECR approved

20080110.03 – Ruth

Send the list of possible SCT codevelopment areas

1/24>> Done

20080110.04 – Ruth

Resume the MTST meetings

>> Resume after Chinese New Year; Byosoft may have some interest, they have worked with customers moving the tools from DOS to UEFI. Need previous info. Dong to send Requirement doc that was done before.

2/21>> Dong to send Board/Promoter/Contributor an announcement of the existence of MTST and its charter to see if other members will join in

>>Done

20080110.05 – All

Consider Intel's open invitation for SCT codevelopment

1/24>> Byosoft will join the codevelopment, Power Wang is the contact.

20071213.01 – Dong Wei

Work with VTM to provide the endorsement of the PI SCT 1.0.

1/10>> Done

20071213.02 – Ruth Li

Set up the bridge for the next quarter

1/10>> Use HP Virtual Room

20071025.01 – Ju Lu

Set up the bridge for the following meetings

11/30/07 PRC Time 10am

12/14/07 PRC Time 10am

20071025.01 – Dong Wei

Send the UTWG's Endorsement Approval for PI 1.0 SCT to the Board and make the motion for the Board to approve.

11/29/07>> No voting result from the President yet

12/13> Approved, need to work with VTM to provide the endorsement on the UEFI webpage

1/10>>Done

20071011.02 – Ruth Li

Evaluate the PI SCT Readiness and determine when PI 1.0 SCT is ready to seek UEFI endorsement. Normally we target 12 month after spec publication to have the SCT ready. PI 1.0 was published at the end of October 2006.

10/25>>Closed

20071011.01 – Ruth Li

Investigate solution to address Anne's comments for the SCRT, e.g., providing ability to test individual runtime services.

10/25>> Intel will provide the config file for individual testings of the runtime services; will not add additional test cases for reset and recovery; idea is that the runtime services would be better checked by the OS tools, SCRT only provides a simulated environment. However if other companies want to add additional tests, there is already a way to do so.

11/08/07 Intel will release a version by end of Nov.; if someone has interest to see it earlier, please send e-mail to Ruth.

11/29/07>> closed

20070926.01 – Ruth Li

Perform Analysis of the Test results and provide a summary to the UTWG

10/11>>Ruth has not received the results.

10/25>>Contact Harry to work this out

11/08/07 Ruth receives test results, including some IHV & IBV results, there're still some issues; the summary:

11/29/07>> Double check the companies submitted results, provide a refresh of the company list

12/13/07>>closed, Ruth provided the updated list of companies

ATI, Adaptec, SiliconImage, LSI, Matrox, AMCC, (SCSI device & Graphic device), Byosoft, AMI, Phoenix, Dell, Apple, HP, Intel

We didn't received all test result, following are test result we have now

> *From IHV: ATI, Adaptec, SiliconImage, LSI, Matrox, AMCC, (SCSI device & Graphic device)*

> *From IBV: Byosoft, AMI, Dell, Phoenix*

Test failure analysis:

> *In general, most test failures are related to 1) protocol which request a lot of ECRs to clarify its usage – i.e., SCSI protocol 2) newly introduced UEFI2.0 service – i.e., DevicePathUtilities, CapsuleService, VariableService*

> *Some test failures result in hungs, seem need more investigation*

> *For Graphic device:*

>> - *Most GOP SCT test case pass*
>> - *Can boot successfully to UEFI Shell/Linux/Vista in some system*

> *For SCSI device*

>> - *Found one bug in SCT about whole SCSI device path verification*
>> - *Some SCSI device doesn't respond correct when receiving SCSI_QUERY commend*
>> - *Parameter check isn't always matched /w the UEFI spec, I guess it's related to the understanding to the UEFI spec. I remembered there're already several ECRs talking about SCSI parameter check clarification, and UEFI2.0 SCT doesn't implement all the Errata b'coz of frequent spec update. I suspect IHV only implement part of the ECR.*

> *For system BIOS*

>> - *DevicePathUtilities: Most of BIOS doesn't expose DevicePathUtilies protocol, while this protocol is '**required**' in UEFI2.0 Spec (Chap 2.6.1). Maybe spec group could evaluate whether this is really 'required'*
>> - *SetWatchdog, Stall, QueryVariableInfo, UpdateCapsule: Saw some failures for these service, BIOS vender could help to do more analysis.*

> -

20070926.03 – All

Perform UEFI SCRT testing and get ready to vote to approve it as Final Draft on Oct 11.

10/11>>With Anne's input, we decided to ask Ruth to investigate a solution before approval

11/29/07>> Closed

20070926.02 – Ruth Li

Check if the USCRT is restoring the system clock

10/25>> Will fix when provide the config file, closed

20070906.01 – Lu Ju

Set up the bridge/live meeting for the meetings starting from Oct 11/12.

>Done

20070823.01 – Dong

Find out the status of where we are at with MTA in the MTST and how we plan to move forward.

9/6>> Jaben moved to a new job. In the process of finding a new replacement. Requirements for MTA is done. Interface designs are not yet started.

9/26>> If no one steps up for this role, Lu Ju is recommending Ruth Li to be the new MTST chair. Will decide next time.

10/11>> Wait till next meeting

10/25>> Keep waiting

11/08/07 Intel sends Ruth to lead MTA, but if other companies want to lead, feel free to send proposal.

20070712.01 – Myron/Ruth

Update the SCT documents to address Apple's comments based on the UTWG recommendation above. Send the update to UTWG by Mon. 7/16 ad UTWG to send to the board by 7/20.

7/26>>Done

20070712.02 – UTWG

Review the UEFI Forum (China) Branch Proposal and ready for UTWG recommendation at the next meeting

7/26>> Byosoft s asked to join ICWG as member so as to participate in the proposal modification discussions. UTWG will see if it can recommend the phased approach

8/23>> Will wait for ICWG to get closure

6/18>> No update

>> Closed. Byosoft offer remains open. If UTWG needs one, just ask Byosoft.

20070712.03 – Dong

Prepare for plans for the UEFI plugfests in 2008.

8/23>> Will wait for the assessment of the outcome of the AMD plugfest. Another thing to watch is when there will be HII implementations to test

9/26>> Most believe that with the Windows Vista SP1 and Windows Server 2008 shipping, there can only be more systems and IO cards coming up that would need the plugfest events. In addition, the HII deployment for UEFI 2.1 compliance would require plugfest as well. Therefore, there will be more plugfests in 2008, at least one in the US and one in China. Maybe we also have one in Taiwan.

11/29>> We will co-locate with PCI Compliance Workshop. That means 1-2 in US (Milpitas, CA), 1 in Taipei. PCI Compliance Workshop does not have China events, so if we need to have one in China, it will need to be organized separately.

12/13>>Due to expensive cost for co-locating, the Board decided to continue the current company volunteering mechanism for now.

2/21>> Dong to send a notice to promoter/contributor to ask for suggestions

3/6>> Notice sent, will make a decision on this year's plugfest by the 4/17 meeting.

3/20>> we don't have a plan now, will revisit when sct 2.1 is up

20070712.04 – UTWG

Review PI SCT, get prepared for discussion at the next meeting.

7/26>>Done

20070613.01 – Kangkang

Provide a formal China plugfest Summary

7/12>> Will send out.

Done

20070613.02 – Kangkang

Submit a proposal to establish the China UEFI Liaison Office and UEFI Testing Facility

7/12>>Done

20070613.03 – Ming Li/Laurie

Investigate translating "Beyond BIOS" into Chinese.

7/12>>Intel is investing copyright aspect.

7/26>> Intel Press already has resource to do the translation. Target for publication at the end of the year. Closed.

20070510.01 – Harry Hsiung

Seek to provide Windows and Linux DVD images for the plugfest

5/24/07 >> Harry is authorized to produce Windows Server 2003 beta 3 DVDs for the event. Red Flag Linux is participating. (Is it already UEFI x64?). Intel to also prepare the Linux DVD

6/13>>Done

20070510.02 – Dong Wei

Send message to Mark Doran, the UEFI Secretary to start the UEFI 2.0 SCT review cycle

5/24/07 >> Done

20070510.03 – All

Review test coverage spreadsheet for accuracy

5/24/07 >> Done, no comments

20070426.01 – Ruth Li

Prepare the next release package for UEFI 2.0 SCT, and prepare the list of errata items not covered by the release package. Make both available before the May 9/10 meeting.

5/10 >>Done

20070411.01 – Lu Ju, Ruth Li

Investigate Runtime Services SCT

4/19>> This project would need effort, details need to planned

5/10>> Intel has an internal runtime test project, thinking about combining, but a lot of limitations, report to UTWG next time.

5/24>> internal Intel review, has a plan, emulated environment, some cleanup to do, not yet know when to make it available or issues, target availability at US Fall plugfest.

7/12>> Intel to contribute before UEFI plugfest in Sept, Availability around end of August

8/23>> Will have the discussion at the next meeting

9/6>>Closed

20070411.02 – Yosi, Laurie, Kangkang, Dong

Decide on the China Plugfest dates

4/19>> Dates stay as is.

20070411.03 – Lu Ju, Ruth Li

Resolve remaining UEFI SCT fixes and get ready for the end of April Final Draft vote

4/19>> Ruth needs to review the outstanding approved ECRs and provide a list of which approved ECRs have not been incorporated in the SCT. These plus the newer ECRs will then be tracked as we provide updated UEFI 2.0 SCT over time. The industry is in the process of moving to UEFI 2.0. so the UEFI 2.0 SCT and its errata process will continue for a while.

4/26>> Now tracked by the new AI.

20070411.04 – All

Contact Kangkang if you would like to present at China plugfest or you need help sending systems or you need special power supply, or you can help in getting IHVs presence at the event.

4/19>> Laurie now owns the presentation content organization. Contact Laurie for content, contact Kangkang for test facility.

4/26>>Done

20070308.01 – Dong Wei

Make sure the UEFI 2.0 errata is going to be complete by next week at USWG so that the additional errata can be addressed in the SCT

4/19>>Myron is working on the errata.

5/10>>done

20070308.02 – Lu Ju

Submit a detailed proposal on the PI SCT

4/19 >> submitted to board, waiting for approval

5/10>> board approved

20070308.03 – Dong Wei

Ask Microsoft's participation at China plugfest

4/19>> Asked. Microsoft has no plan to attend.

4/26>> Harry to check how to take DVDs and Product keys over to China

5/24/07>> Microsoft is supportive, but has a conflict with WINHEC Taipei. Current plan is to have a taped session at the China plugfest

6/13>>Done

20070308.04 – Kangkang Shen

Contact Lenovo for attendance at China Plugfest

4/19 >> Intel will talk to Lenovo.

4/26 >> Found the right contact, need to finalize

5/10 >> Lenovo, Dell China registered, not sure about the hardware

20070208.01 – Kangkang/Laurie/Dong

Prepare the invitation letter for the June Plugfest in China. Dong to sign and send out.

3/8/07>> closed. Invitation is sent.

20070208.02 – Kangkang/Laurie

Laurie to send Kangkang the T-shirt design and Kangkang to complete the design with new logos and ask for UTWG approval. Laurie to send the USB leys to Kangkang

4/19>> T-shirt is done, USB will be sent

5/10>> sent to Lu Ju done

20070208.03 – Kangkang/Laurie/Lu Ju

Come up with best practices/guidelines for people to send systems to China

3/8/07>> Currently, thinking using normal commercial category thru Nanjing customer office, use Shanghai customer office as backup. Need to find out if systems can be sent directly thru Nanjing customer office.

4/19>> need to know who plan to send systems and then figure out how to. This one needs to be done quickly as there needs to be a month's time figured into this process to be more certain.

4/26>> Will send out the instructions

5/10>> instruction will be published

5/24/07>>Closed

20070111.01 – Laurie

Check with the plugfest attendees if they have issues with the SCT

2/8/07>>Already given to Ruth or addressed. AMI has issue with slowness that Intel is also addressing.

20070111.02 – Dong

Sign the EBC Summit Invitation letter and ask Jen to send to potential attendees with an open question to see if there are PRC attendees having visa application issues.

2/8/07>>Done

20061211.01 – Dong

UTWG needs to finalize plan for next years plugfests.

1/11/07>> Ongoing

2/8/07>> Today we have put the June plugfest on the roadmap.

4/19>> After June plugfest, we will have a fall plugfest. The intent is to intercept with the Vista SP1 availability. UTWG/AMD/Intel/Microsoft should plan this event together. Check to see if Microsoft can co-sponsor.

5/24/07 >> Planning kicked off with AMD/Intel/Microsoft.

7/12>> Work is done for 2007

20061211.02 – UTWG members

Help find venue/dates for the EBC Summit

1/11/07>>John McInnis of Phoenix is helping the hosting. Thanks Phoenix!

20061116.01 – Lu Ju

Find tech writer help

12/11/06>> Done

20061116.02 – Dong Wei

Resolve the issues (bug 39 and 40) that need USWG interpretation

12/11/06>> bug 39 resolved, bug 40 resolved

20061116.03 – Lu Ju and Laurie Fleisher

Provide the logistics for the UTWG ftf meeting on Dec 11 at 6pm. Pacific.

12/11/06>>Done

20061102.01 – All

Ready to vote on UoL presentation at Plugfest

11/16/06>>Done

20061102.02 – Ruth

Provide answers to Marvell's issues

11/16/06>>Done

20061102.03 – Dong

Ask USWG for the clarifications to Phoenix's issue AppendDevicePath.

12/11/06>> Tim Lewis created ECR75 for USWG, waiting for closure

1/11/07>> Approved by USWG.

20061102.04 – Ruth, Terry, Dong

Further investigate the Network driver failure

11/16/06>>Intel suspects this to be a driver bug without having access to the driver source.

12/11/06>>Closed

20061102.05 – Lu Ju, Jack, Tim

Address the Test Case Document issues

11/16/06>>New action item is created.

20061102.06 – All

Ready to decide if to conduct a ftf during the plugfest week at the next meeting

11/16/06>>Done

20061012.04 – All

Send your company's MTA rep name to Jaben

11/16/06>>Done

20061012.05 – All

Run the UEFI SCT Beta and report bugs to Ruth Li.

11/16/06>>Done

20061019.01 – Laurie Fleisher

Ask Plugfest attendees if we can post their company names. If so, make a motion for UTWG to approve the posting

11/02/06 >> Done

20061012.01 – Lu Ju

Post the SCT beta binary (NOT source) and test case draft document to General Area of the membership website

10/19/06 >>Done

20061012.02 – Dong Wei

Announce the SCT Beta to the contributors/adopters.

10/19/06 >>Done

20061012.03 – Jaben Carsey

Act as the MTA subteam leader to run the subteam after we get board approval. Start to collect subteam reps from companies.

10/19/06 >>pending board approval

11/2/06 >> Board Approved

20060921.01 – Ruth Li

Upload the UEFI SCT Beta Release (minus the Case spec)

10/12/06>>done

20060921.02 – Jack Li

Provide the test case description for tape boot and security interface tests

10/12/06>>done

20060921.03 – All

Verify internally to see if there is any issue of including Jaben's proposed content into UTWG, get ready to vote at next meeting; also identify the company rep to the subteam if we establish

10/12/06>>done

20060921.04 – Gary de Leon

Present on the DIG64 HPPF test to see if it can serve as the pilot for the test interface definition

11/2/06 >> Closed here, move this to the subteam for discussion

20060921.05 –Dong Wei

If UTWG approved, obtain board approval for adding the test interface definition into the UTWG scope

10/12/06>> Sent the board the notice. Waiting for approval.

11/2/06 >> Approved

20060824.01 – Dong Wei, Laurie

Vendors who want their machines to be golden systems may need to test the installing/booting Vista prior to the plugfest. Which Vista build do we recommend to them? We need to talk to Microsoft to know. Intel mentioned a few build numbers, decided not to post here to confuse the potential golden system vendor. Will let Microsoft specify.

9/7/06>> At the board discussion, Tony Pierce asked me to check with Srivatsa Srinath on the Microsoft plan. He indicated that Longhorn Server x64 and ia64 are intended to be available at the plugfest. I will get the detailed information from Srivatsa,

9/21/06>>Srivasta:

I have tries to answer some of your questions below. It is a little early to give some of the details of our involvement. However, I surely want to reiterate that we see this event as a very important one in terms of industry engagement. We will have active participation for testing, planning and evangelizing.

>The participants to the plugfest would need to know which operating systems

Tony said it right, Server x64 and ia64.

> who will be there from Microsoft

Too early to say, but be sure that key representatives from development/testing and decision making will be there.

> which build number should the plugfest use

I do not know and no one can predict this. I may be able to guess this after Vista RTM.

> Will there be Vista x64 build there for the plugfest?

I cant predict this either, it is dependent on Vista RTM. We will bring server build for sure.

> Any messages that Microsoft would like to send to the participants?

Yes. I don't have anything drafted ready now. It is surely going to be in lines of encouraging the best participation from OEM/IHV/ISVs. We will also want generate interest in option ROM vendors.

10/12/06>> Ruth reported that the current Windows LH is using UGA protocol, which is deprecated in UEFI. Need to check with Microsoft to see if GOP will be supported by the plugfest time. The firmware side need to know what would qualify as a UEFI 2.0 compliance system that can boot and install LH. Would GOP enough, or would it have to supply both? Dong will ask.

10/19/06>> Ruth understands that GOP will be supported, but is not certain. Dong to ask again.

11/2/06>>Srivatsa

LH server will use GOP support if available. For plugfest, Yes: we will like to see systems implementing GOP support. The design will fall back to UGA if GOP is absent.

12/11/06>> Microsoft has brought the latest LH versions for plugfest

20060809.01 – Ruth Li

Biweekly update the bug tracking spreadsheet

8/24/06>> Ongoing

9/6/06>>No update this time since we are waiting for beta.

9/21/06>> publish an update of the bug report along with the Beta release

10/12/06 Keep publishing biweekly

3/8/07>>No additional bugs reported

5/10>>closed

20060727.01 – Laurie, Dong, Gary

Finalize the plugfest invitation letter and send out

8/9/06 >> Done

20060727.02 – Laurie, Dong, Gary, Jen

Work out AMD's co-sponsorship

8/9/06 >> Done

20060727.03 – Lu Ju, Dong

Resolve the remaining failures on HP zx-series system

8/9/06 >> Done

20060727.04 – All UTWG members

Bug report by 8/10/06.

20060628.01 – Laurie

Prepare the UTWG invitation letter.

7/12/06>>WIP

Contact Jen for VTM support.

7/12/06>> Wait for Dong to send the contact info

Prepare for UTWG co-sponsor budget proposal.

7/12/06>>Done

20060628.02 – Jack Li

Check Phoenix legal for approval for distributing UEFI test suite's Phoenix contribution to UTWG.

7/27/06>>Done

20060628.03 – Dong Wei

Obtain approval from the UEFI board for the plugfest co-sponsor budget. Request a board meeting.

7/12/06>> WIP, no issues raised yet.

Also put on the agenda the need for speedy resolution of the PI test legal agreement so that the PI test work can get going.

>> Done

7/12/06>> Currently waiting for resolutions. Mark Doran will take over Mike Richmond's role during Mike's sabbatical in discussing this.

7/27/06>> budget approved.

20060615.01 – Laurie Fleisher

Present a draft plan covering objectives and logistics for the US plugfest (due 6/28), and then define the test plan and probe on APAC plugfest needs in the following weeks.

6/28/06>>Closed

20060601.01 – Dong Wei

Contact Shiva to arrange for the US plugfest to happen in the week of 10/2/06.

6/15/06 >> Laurie is now owning the plan.

20060601.02 – Lu Ju

Contact Brad Chen to arrange for the Shanghai plugfest to happen in the week of 11/13/06.

6/15/06>> Laurie is now owning the plan.

20060511.01 – Ruth Li, Mike Rothman

Collect all the Mandatory but Implementation Specific features and determine the importance. Should consult with Mike Johnson for RFC specifics. Let UTWG know if Intel decides to pursue Aspiration.

6/1/06>> Intel will provide at the beta timeline some implementation specific mandatory RFC features to serve as examples. Will not provide all. Intel will determine which ones they feel important to provide examples for. UTWG can monitor the networking stack implementation and discuss if more are needed in the future.

20060511.02 – Dong Wei

Seek HP RFC contact to get thoughts on the Mandatory but Implementation Specific features.

6/1/06>>Not easy to find the right contact to understand both UEFI and RFC.

20060406.01 – Dong Wei

Find out how HP can help Phoenix in the Tape IO UEFI test development by providing access to systems implementing Tape IO.

4/20/06>> HP GSTL team and Phoenix have made the arrangement to work on this,

20060406.02 – Dong Wei

Find out how HP can help Intel in the iSCSI UEFI test development by providing access to systems implementing iSCSI boot.

4/20/06>> Dong is still checking

5/11/06>> No solid plan yet on iSCSI boot support, BIOS already supports it, so definitely has interest, but are waiting for figuring out who will be implementing iSCSI boot solution. If other companies are implementing it earlier than HP, please let me know, the machine does not have to come from HP.

6/1/06>> Has found no companies implementing iSCSI boot solution for UEFI yet, only iSCSI boot via BIOS is done by IBM. Will not provide the test at the point. Will pick up again when the iSCSI boot needs are there.

20060406.03 – Ruth Li/Dong Wei

Ruth to modify the RFC issues document with perhaps Intel's proposal on how to address them. Dong will wait for this update and then send to USWG.

4/20/06>> Ruth needs more time

5/11/06>> Ruth presented a proposed solution, we accepted that as the Baseline. Will look into if we can do more in the Implementation Specific Mandatory features.

20060323.01 – Ju Lu

Send out bridge number for the next 10 meetings.

4/6/06>> Done

20060323.02 – Carl Shi

Investigate and respond to the HP FC Driver test issues.

4/6/06>> Alignment is a bug, Intel will fix. ; 2nd/3rd items will be escalated to USWG

Ask for adding to the uswg meeting agenda

4/20/06>>Have not heard from USWG

5/11/06>> Mike Kinney has sent proposed clarification to the interested parties. We will close this when we receive the final say from USWG. If the test needs to be fixed, Intel may also want to fix the SCSI_Pass_Thru in addition to the EXT_SCSI_Pass_Thru, even though the former is deprecated by UEFI 2.0. That can help testing the existing EFI 1.10 systems.

6/1/06>> Waiting for Mike to send ECR and get approval from USWG.

6/15/06>> Dong to Send Mike a note.

6/28/06>> USWG has approved ECR45 to address this issue. Lu Ju will check with Carl to modify the tests accordingly.

7/12/06>> Will fix in the next release after the Alpha.

7/27/06>> Will fix in beta

10/12/06>> No new sightings, assumed fixed

20060323.03 – Jack Li

Discuss with Tim Lewis to see if the Security and Tape IO implementation code would be made public as part of a sample implementation.

4/6/06>> Implementation source code will not be available to UEFI, one algorithm will be chosen in the implementation, maybe available in binary form. The corresponding test source code will be available to UTWG. If Phoenix's test is targeting its own implementation, will the test be common for other implementations?

4/20/06>> It is currently expected that there is only one implementation on Security (from Phoenix) and TapeIO (from HP), Phoenix's test code will be tried on these single implementations first. In the future, if there are multiple vendors implementing to these interfaces and they find issues with the test, we will address the issues then.

20060323.04 – Ruth Li/Jack Li

Discuss and come up with a plan to take into account the integration effort between Intel and Phoenix.

4/6/06>> Tentative plan is to start integration on 6/15/06. Will revisit this in June.

6/28/06>> Closed.

20060323.05 – All

Anything else not on the test development plans from both Intel and Phoenix?

4/6/06>> Close

20060208.01 – Ruth Li

Provide a list that details the RFC issues to the utwg reflector so that we can have a discussion about what we need to do for clarifications.

3/1/06>> Lu Ju to check with Ruth on this.

3/23/06>>Wait till next meeting

4/6/06>> Closed

20060208.02 – Ruth Li

In the presentation, there is a list of new items comparing UEFI 2.0 to EFI 1.10, out of this list, provide a list of items that Intel will NOT provide so Phoenix can complement the coverage and avoid duplication work.

3/1/06>> Ruth responded with the following planned coverage, with additional updated info from the meeting (marked in red)

For Alpha version (End of June/ Start of July), we will provide the following items both for development and test cases:

UpdateCapsule Runtime Service
QueryCapsuleCapabilities Runtime Service
QueryVariableInfo Runtime Service
CreateEventEx Boot Service
Add ACPI_ADR device path

Add Device Path Utilities Protocol
EFI Graphics Output Protocol
EFI EDID Discovered Protocol
Network Protocols
USB Host Controller
Lots of miscellaneous text changes

Blow is other items not included in Alpha version:

Security Chapter (Phoenix covers)
Tape Boot Support (Intel beta)
iSCSI EFI Boot (Intel beta)
Extended SCSI Passthrough Protocol (Intel beta)
Add Device Path for SAS Boot (Intel beta)

Phoenix may be interested in covering one or two areas that is currently planned for Intel beta work. Will coordinate with Intel and discuss at our next meeting.

20060208.03 – Lu Ju

Send an email requesting upgrade to a new tag for EDK, etc. and checking in new updated test code.

3/1/06>>Done

20060111.01 – Dong Wei, Due 1/13/06

Make proposal for language clarification to USWG wrt the test assertion 5.1.4.1.18.

1/25/06>>Closed

20060111.02 – Lu Ju, Due 1/25/06

Look into test code for 5.1.4.1.18 assuming the clarification to USWG is agreed to

1/25/06>>Closed, will make test changes.

20060111.03 – Lu Ju, Due 1/25/06

Discuss internally about the debug support test situation and provide a position

1/25/06>>Closed, will make test changes.

20060111.04 – Lu Ju, Due 1/25/06

Look into the support of the Extended ACPI Device Path Node in the test

1/25/06>>Not yet

3/1/06>>Carl sent an update, HP is looking into this. The update is:

Here is an open to look into the Expended ACPI Device Path node in the test. After checking with test case and test specification, I found Expended ACPI Device Path node is checked in 5.4.1.1.8.

5.4.1.1.8	F497A21B-8BB4-4310-BACF-F6FC18DA469E	**EFI_DEVICE_PATH_PROTOCOL** – Check ACPI Device Path - Expanded ACPI Device Path	Verify the correctness of the device path nodes. $Type$: 2.Sub-$Type$: 2.Length>=19 bytes.

I remember this open is come from HP. So could you please recheck whether the requirement is for more checkpoints? Does it mean besides the length of this node, we also need to check the _HID, _UID, _CID? But these names are defined in the ACPI name space, is it ok to check them in EFI test?

3/23/06>>Dong sent Terry's message, Carl will look into the display issue.

4/6/06>> Looks like a display function problem that the shell did not support the Extended ACPI Device Path. Carl has contacted the EFI shell owner, Wait for shell owner to respond

4/20/06>>Waiting for Carl's update

6/1/06>> Intel has the fix but not yet posted the shell update, will go thru normal release process. HP needs the update when the alpha test is available.

>> in the 20060613, device path display protocol

20060111.05 – Dong Wei, Due 1/25/06

Send request to the Board to discuss the Test Compliance Model and give UTWG directive

1/25/06>> Done

20051221.01 –Lu Ju, Due 1/11/06

Set up phone bridges for meeting from 1/11 to end of March, 2006.

1/11/06>> Done

20051201.01 – Dong Wei, Due 12/14/05

Discuss with Andrew Kelly (Collabnet) to set up the private project at Tianocore.org for the UEFI 2.0 test co-developing.

12/21/05>> Done. Project established, will start to populate members.

20051201.02 – Tim Lewis, Due 12/14/05

As the lead for the Security Subgroup, please provide thoughts on who will be providing the test code for the Security-related protocols. Both Intel and Phoenix currently have all test engineers in PRC and it is believed that PRC laws prohibit the security related code be done there.

12/21/05>> This is probably more related to US export control policies due to PRC's restricted country status than PRC law issue. Kangkang will check Phoenix internal policy. Since Phoenix has been developing security related code in the US anyways, Phoenix has US resources to cover this area, from the US if needed.

20051109.02 – Tim Lewis, Due 11/29/05

Let us know the Phoenix tech writer contact name (for now, could change over time)

12/1/05>> Kangkang to find out and email the name.

12/21/05>> Done

20051109.04 – Dong Wei, Due 11/29/05

Ask the board to clarify what UTWG is getting as the starting point of the PI SCT. Would Intel be contributing a package under the UEFI license like they did for UEFI SCT to begin with?

12/1/05>> The board discussed this. So far the board only agreed that with respect to any test contributions to measure conformance with PIWG specs, the same rules and rights would apply as any contributions already made for measurement of the USWG produced UEFI 2.0 Spec. Intel stated that it will remove EFI spec test code from the TianoCore site. There was further discussion based on what model we should use for getting to the point of tests for PIWG. The main topic was around what license the existing PEI/DXE test has versus the terms that would need to apply to a test specified by UTWG. No conclusion yet. UTWG will continue to wait for guidance from the board on the starting point of the PI test.

12/21/05>>Still waiting for board guidance

2/8/06>> Has put this onto the agenda for the board face-to-face meeting on 3/6/06.

3/23/06>> quoting the board's minutes:

The issue of how test instruments produced by UEFI are to be used when
they are finished came to the floor. There was some concern that

without a clear benefit for having run the test, such as result
reporting on the UEFI web site in a publicly visible way, engineering
organizations will consider running the tests superfluous. There was a
suggestion is that the license for the test instrument could say that
an implementer may not claim they are conformant to the specification
that the associated binary test exercises unless they have successfully
run the binary test. As the test suite approaches readiness the Board
has a pending need to Name the test instrument and complete the
discussion on the specific wording that will show up in the test suite
licensing. By corollary the Board resolved that test suite will not be
used as a branding instrument and UEFI will not be in the business of
endorsing any company's implementation of the UEFI Spec.

Discussion turned to testing for specs produced by PIWG. Intel
explained the current position with existing tests that exercise
interfaces PIWG is considering. MS proposed using an Open Source style
license prepared by MS ("the MS Community License" with the name
changed to be UEFI not MS) for PIWG interface tests. There is some
interest in developing a process where the UEFI will act as, in effect,
Open Source maintainer for tests in this space. Work continues offline
to develop specific proposals for these.

4/6/06>> No updates on the PIWG Test front

4/20/06>> No updates

5/11/06>> I will ping Mike Richmond and Tony Pierce.

6/1/06>> Message sent to Mike and Tony, waiting for response.

6/28/06>> Laurie will check with Mike to identify the person to close this item with Tony Pierce
while Mike is on sabbatical. Dong will raise this to be an agenda topic for the next board meeting.

7/12/06>> Mark Doran will stand in for Mike Richmond. Dong has raised this to the board.

8/24/06>> Framework SCT is available to IBVs and the direct licensees and still under evaluation.
We need to resolve this now that PI Spec v1.0 is at Final Draft stage. I will take this topic to the
Board Meeting next week.

9/6/06>> Tony has an action item to get Microsoft's position by 9/19/06. Lu Ju expressed
concerns that whatever license we choose should not impact the collaboration model that we
have used in UEFI SCT and deemed successful.

10/12/06>> No new update

11/2/06 >> The Board considered an Intel proposal to Contribute SCT material for PI Specs in
such a form that the code would remain an Open Source project under an Eclipse style license
https://www.tianocore.org/eclipselicense.html with the idea that the Test work group would be the
notional maintainer for the primary branch. Next step: counsel advises that it's possible for tests
to be licensed by UEFI Forum under the Eclipse Public License – the question is whether other
companies would participate in development of the PI test suite spec compliance measurement
using the same license?? The primary reason for having a different and more liberal license for
this test is because the Contributor (aka Intel) is offering it that way. Action items were spawned
for folks to look at the issues involved. This topic will be revisited at the next board meeting. Any
input on this, please inform Dong Wei or your board member (if you are promoter).

12/11/06>> Still waiting…

1/11/07>> Waiting….

2/8/07>> Waiting…

3/8/07>> Closed. The Board has decided to let Intel host the PI SCT as an open source project under EPL, and when ready can request UTWG to endorse to fulfill UEFI responsibility of providing tests for all the specifications it defined.

20051109.05 – Lu Ju, Due 11/29/05

See if Intel can submit the PI SCT assertion document (currently reviewing by AMI, Insyde, and Phoenix) to the UTWG

12/1/05>> Intel received comments from Phoenix and Insyde, Phoenix is fine sharing the comments, will ask if Insyde is fine sharing the comments. If so, Intel will post the assertion doc at the member area.

12/21/05>> Done

20051109.01 – Lu Ju, Due 11/29/05

Submit to the UTWG area on uefi.org the word files for all the UEFI test documents that have been submitted in pdf forms.

12/1/05 >> Done

20051109.03 – Dong Wei, Due 11/29/05

Post the WG membership policies document approved by the board to the UTWG area on uefi.org

12/1/05 >> Done

20051026.01 – Dong Wei, Due 11/9/05

Check with Mike Richmond to see if Intel can supply another tech writer for UTWG

 11/9/05>> Intel does not have tech writer resources for UTWG work, would like to see industry contribution and sharing of responsibility

20051026.02 – Tim Lewis, Due 11/9/05

Check if Phoenix can provide tech writer support for UTWG

11/9/05>> Phoenix is willing to provide tech writer support, would need directions and source files.

20051026.03 – Tim Lewis, Due 11/9/05

Draft membership policies for all WGs and submit to the board for approval.

11/9/05>> The board has approved the policies.

20051026.04 – All, Due 11/9/05

Members to approve that Intel and Phoenix will be given the permission to publish PRs to state they are the leaders in the test work if they deliver on time the modules they are committed to.

11/9/05>> All agreed this approach, although we would be giving permission to other contributing members as well. Currently only Intel and Phoenix committed resources. If other companies would also like to contribute, please let the chair know.

20051026.05 – Lu Ju, Due 11/9/05

Send out what Intel plans to deliver for the UEFI 2.0 test

11/9/05>>Intel has an internal plan, will be available by next meeting, already working on alpha/beta test on approved UEFI 2.0 features

12/1/05>> Still has license issue need to clear with Mike Richmond, more time to decide.

12/21/05>>Ruth presented Network test, next time will provide addition coverage

1/11/06>> Wait for Intel Mgmt decision. The tentative plan is that Intel will provide Assertion Table, Test Framework like today. The Alpha Release will be available at the end of June, and Beta Release will be available at the end of August. Will cover GOP (Graphics Output Protocol) and Capsule Services, new boot time services, and runtime services, device path, networking, including the networking remote validation. Intel will not cover iSCSI, security, or tape boot testing. Also EDK code for the related newer interfaces will be available before the test code is available.

2/8/06>>Intel presented the plan, need additional info, covered by new AI.

20051026.06 – Tim Lewis, Due 11/9/05

Send out what Phoenix plans to deliver for the UEFI 2.0 test.

11/9/05>> Phoenix would like to see Intel's list first and then work on areas that Intel is not doing. Will do the file header fixes to change from EPL to UEFI license.

12/1/05>> Phoenix already sent the initial draft of the additional UEFI 2.0 test assertions draft. Wait for Intel's planning, Phoenix does not want to waste resources to cover areas that Intel plans to cover. So this is pending the outcome from the previous action item.

12/21/05>> Already owns Security related test. Will wait for Intel's plan and meet in the middle.

1//11/06>>Phoenix will not work on the networking protocols, will work on new assertions, Security assertions and test code. Phoenix management has no issues for the PRC engineers writing Security-related code in Nanjing, Phoenix's schedule is a little earlier than the Intel schedule. Will work with Intel to package together.

2/8/06>> will wait for Ruth's non-coverage list and hopefully discuss at the next meeting.

3/1/06>> Closed. Will put on next meeting's agenda to dig deeper into Phoenix's coverage on Security and potentially one or two areas that Intel currently plan for the work done in the beta timeframe.

20051026.07 – All, Due end of 2005

Review all existing assertions contributed from Intel and prepare to be ready for adoption/rejection by the end of 2005.

11/9/05 >> HP, Phoenix are fine with the dates, need Krau's commitment. Intel is the contributor so they will not further review.

12/1/05 >> All companies agreed.

20050921.01- ALL, due 10/5/05

Review the proposal to host UEFI Test Suite as a private project (not open source) on TianoCore. The project is UTWG-owned. Prepare to vote via email after 10/5/05.

10/12/05>> HP moved to go forward with this, Phoenix approved. Waiting for Insyde, Dell and Intel to approve.

10/26/05>> HP, Phoenix approved. Need other members to approve to move forward.

11/9/05 >> HP, Phoenix, Insyde approved. Intel is still assessing the issue that certain companies are asking Intel to continue the current open source project for EFI SCT. However, what happens to the EFI SCT open source project has nothing to do with the UTWG owned UEFT test suite. UTWG cannot endorse the EFI SCT open source project and UTWG does not accept the EPL license associated with the EFI SCT open source project. Intel needs to settle this issue by 11/23/05 so we can start to work on the code sharing mechanism. If we cannot use Tianocore to do a private project, we need to ask the board for funding or find some other alternatives to host the UEFI test suite source.

12/1/05 >> All members approved.

20050826.01 – Ju Lu, due 9/30

Package up the Complete EFI 1.10 Test Suite and hand over to the UTWG.

9/21>>On target. Ju Lu will send the package before 9/30.

10/12/05>> Lu Ju has sent out and the packages are posted in the UTWG member area

20050826.02 – Dong Wei, due 9/30

Work with Richard Taffet to generate the test suite license under which the test will be handed over from Intel and available to the members.

9/21>> Dong has talked to Tony Pierce and Richard Taffet. The conclusion is that ByLaws and Adopter's Agreement are the places to for the license. Tony identified that the Adopter's Agreement is not properly covering this, he is working on the fix. So from UTWG's perpective, this is addressed. It will be up to the board to see the adopter's agreement fixed.

20050826.03 – Shiva Aditham, due 9/15

Set up the bridge number for the upcoming bi-weekly meetings for the rest of this year.

9/21>>Shiva will set up starting from 10/12.

10/12/05>> This is completed

20050826.04 – Mark Doran, due 9/30

Check to see if UTWG can have Myron's tech writing support for the Test Assertions and Test Specifications document

9/21>>Myron reviewed the documents that will be part of the Intel submission. However, it is still undecided whether he will be able to provide tech writing support for future UTWG work.

10/12/05>> Need to close on the tech writer support moving forward in the UEFI test suite development

10/26/05>> Myron Porter will not be able to support tech writing role in UTWG because he is already responsible for both USWG and PIWG work.

20050826.05 – Shiva Aditham, due 9/1

Send the PCI Express Test Spec to Dong. Dong will check the members' PCI SIG participation status and forward on to those who are also PCI SIG members.

9/21>> Done

20050826.06 – Shiva Aditham, due TBD

Look into possibilities of hosting a plugfest/workshop in Taipei in 2006. Especially to see if additional funding from UEFI is needed (UEFI has very limited funding source, may not have funding for a plugfest).

9/21>> Continue to investigate

2/8/06>> Lu Ju to ask Mike about the participant scope for Alpha version in June. Our current thinking is that the Alpha version will be targeting the work group members, and the beta version (end of August) will be targeting the wide industry participation. Shiva can start look into plugfest venue in the September/Oct time frame.

3/1/06>> Position verified, Dong Wei will work with Shiva to figure out the plugfest timing (Q4'06) and location. Intel and Phoenix expressed the desire that should an APAC plugfest is needed, it would be better to host it in Shanghai as it is closer to both Intel and Phoenix developers. More importantly, it is difficult to get Visa to enter Taiwan by these developers holding PRC passport. It

is not a problem for Taiwanese to get travel documents to enter mainland. Will take this into consideration. Intel also mentioned the IHV test, as a subset of the UEFI Test Suite targeting IHVs. The release mechanism has not been finalized by Intel. Will revisit this when the plan is finalized.

3/23/06>> Dong met Shiva at IDF, should have no issue of hosting a plugfest at IHV Optimization Lab. Can discuss in detail when the time is closer. As to the APAC plugfest, Dong mentioned the Intel/Phoenix teams' concern about getting visa to Taipei would require 3 month's effort. If Shiva does not have resources in Shanghai to host a plugfest, perhaps Intel Shanghai and/or Phoenix Nanjing could work to host the APAC plugfest. Taiwan passport holder is much easier to get proper travel document into China.

4/20/06>>Assumption is that the APAC plugfest will be hosted by Intel in Shanghai.

6/1/06>> Created separate AIs to track

20050826.07 – Dong Wei, due 9/30

Work with VTM to create a public email reflector for receiving Test Maintenance and Appeals requests from the UEFI members including adopters. The same reflector can also be used for Compliance Product List submission

9/21>> VTM thinks this is simple to create. On Target.

10/12/05>> Done. It is test@uefi.org.

20050826.08 – ALL, due 9/21

Examine the arrangements of the continuing development of the Test Suites by Intel/Phoenix. Decide if UTWG needs to create SLA with Intel/Phoenix.

9/21>> Dong needs to seek advice from Tony to see if this needs to be done. Attendees did not offer specific opinions.

10/12/05>> Still waiting for Tony's advise

10/26/05>> Tony has not provided advise. Attendees felt that since the work committed by Intel and Phoenix are on a voluntary basis, it is very hard to penalize if items do not get delivered or delivered on time. One suggestion is to allow Intel and Phoenix to publish PRs so that they can be perceived as leaders. This would have a positive motivation for Intel and Phoenix to deliver and deliver on time. Other members are welcome to participate as well.

20050826.09 – Ju Lu, due 9/21

Find out the dependency of the Test Suite on the shell. Which shell commands is the Test Suite dependent on?

9/21>> Ju Lu will email this out. If UTWG decided to move away from this dependency, work could be done in this area if UTWG desires

10/12/05>> Ju Lu sent the message on 9/22/05

20050826.10 – Dong Wei, due 9/30

Discuss with Andrew Kelly(Collabnet) and VTM on how to arrange the Test Suite hosting.

9/21>> Done. Will need further discussion to see thru the implementation

Regards,

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