Unified Extensible Firmware Interface (UEFI) Welcome

June 2010

Mark Doran
President UEFI
Welcome to UEFI Plugfest 2010

• Thank you for participating
  AMD/ATI       Microsoft
  AMI           ONH-INL
  Apple         Phoenix
  ARM           PMC-Sierra
  Byosoft       Qlogic
  Dell          RealTech
  Emulex        Red Hat
  HP            Sandi
  IBM           Segate
  Insyde        SUSE
  Intel/SSG     Ubuntu
  LSI           WDC

• Big Thank you to our sponsors
Welcome

Welcome to the Unified EFI Forum.

What's New: UEFI Specifications Update!

- **UEFI Specification**
  - Current UEFI Spec: v2.3 approved May, 09
  - Current Activities: Implementation and writer’s guides

- **UEFI Shell Specification**
  - Current Shell Spec: v2.0, approved Oct, 08
  - Current Activities: Implementation support

- **PI Specification**
  - Current PI Spec: v1.2, approved May, 09
  - Current Activities: Implementation support

- **UTWG Self-test Specification**
  - Current version: SCT v2.1 released May, 09
  - Next Release: v2.3 SCT target mid 2010

- **PI Distribution Package Specification**
  - Current version: v1.0 released May, 09
  - Current Activities: Implementation support

http://www.uefi.org

UEFI Plugfest 2010
Whos - Who

• President
  • Mark Doran (Intel)

• Vice President
  • Dong Wei (HP)

• Secretary
  • Jeff Bobzin (Insyde)

• Treasure
  • Bill Keown (Lenovo)
• Industry implementation needs to catch with specifications
• Slowing down new spec releases
• ...
Latest UEFI Specifications

- Platform Initialization (PI) 1.2 Spec
- Packaging 1.0 Spec
- UEFI 2.3 Spec
- Self Certification Tests (SCT) for UEFI 2.1 Spec
- Shell 2.0 Spec

Advancements in firmware technologies continue to evolve. Join Working groups at the UEFI forum [www.UEFI.org](http://www.UEFI.org)
Each work group approves/delivers different content to the public. Each sub-team focuses on specific topics and contributes material to the work group.
ICWG Update (2007 - 2010)

• Past/Continuing Efforts:
  – Press releases and Media Alerts
  – Publications on UEFI.org
    > News articles
    > Updates to UEFI systems guide
  – Support of Industry Conferences
    > WinHec (2008)
    > IDF
      • 2007 Tech showcase UEFI Community
      • 2008 UEFI treasure hunt contest
      • 2009 Strong UEFI technical sessions
  > ARM conference 2008
  > ARM Dev Conf 2009

• Goals for 2010:
  – Plugfest June 2010
    > Du Pont, Washington
  – Plugfest October 2010
    > Taipei, Taiwan
  – Evaluate UEFI Adoption Rate
    > Survey (June 2010)
  – IDF 2010
  – White Papers and Blogs
  – Create a UEFI hardware guide for Add-in-cards

Getting the UEFI Message to the industry
UTWG Update (2007 - 2010)

• UEFI SCT 2.1 Final
• UEFI SCT 2.3 Beta
  – Released here at the plugfest (CD)
    Special expansion

Getting the UEFI Message to the industry
UEFI Overview

UEFI Specification Timeline

All products, dates, and programs are based on current expectations and subject to change without notice.
Utilize UEFI Full Potential

<table>
<thead>
<tr>
<th>Legacy BIOS</th>
<th>UEFI CSM(^1) only</th>
</tr>
</thead>
<tbody>
<tr>
<td>Class 0</td>
<td>Class 1</td>
</tr>
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Good for Internal Development

UEFI Switch - CSM & UEFI I/F

Class 2

UEFI Pure I/F

Class 3

Limited Benefits:
OEMs/ODMs internal Development Optimization & Code Modularity

Full Benefits:
UEFI Innovation
Performance
Extensibility
Advanced Usability

Build UEFI Class 2/3 UEFI Systems!

\(^1\) Compatibility Support Module – Legacy BIOS interface on top of UEFI
Call to action

• Fill out survey at the end of the test event
  – Disclose UEFI testing results to UTWG
  – Submitting Issues
  – Success:
    > 2.2 TB
    > SCTs 2.1 or 2.3
    > UEFI OS Install and Boot
FALL 2010  OCTOBER 13-15  TAIPEI, TAIWAN

UEFI PLUGFEST

intel®  insyde®  UEFI

Please save the date!

UEFI Plugfest 2010