

**Minutes:**  
**ATSC Planning Committee**

16 May 2007, 1:00 p.m. until 4:00 p.m. EDT  
PBS, 2100 Crystal Drive  
Arlington, VA 22202

**1. WELCOME AND INTRODUCTIONS**

Chair Graham Jones (NAB) called the meeting to order at 1:05 p.m. EDT. He welcomed those in attendance and asked each member to identify him or herself. The attendance list is given in **ATTACHMENT 1**.

Chair Jones reminded attendees of the ATSC sign-in confidentiality policy.

**2. APPROVAL OF DRAFT AGENDA**

Chair Jones asked for consideration of the draft agenda, which was posted to the PC reflector on May 1 (**ATTACHMENT 2**). No changes were requested and the draft agenda was approved as submitted.

**3. APPROVAL OF DRAFT MINUTES FROM THE LAST MEETING**

Chair Jones asked for consideration of the draft Minutes of the March 22 teleconference, posted to the PC reflector on May 1 (**ATTACHMENT 3**). No changes were requested and the document was approved as submitted.

**4. REVIEW OF ACTION ITEMS FROM THE LAST MEETING**

The following action items were developed at the last meeting of the Planning Committee. Items carried forward from a previous meeting are so noted.

- 1) Andy Scott to explore the possibility of doing an ACAP demonstration at the upcoming NCTA convention, and to communicate that information to Dan Berkowitz. [2007-02-08]  
*Completed.*
- 2) Dan Berkowitz and the ACAP Field Trial AHG to compile a list of ACAP-related items that may need to be addressed by TSG/S2. [2007-02-08]  
*Completed.*
- 3) Chair Jones to identify a chair for a new AHG on ATSC 2.0 [2007-02-08]  
*Completed. On agenda.*
- 4) Mark Aitken to update PC-149r1 Section 5 to include all ATSC members who wish to support this work.  
*Completed.*
- 5) Chair Jones to develop appropriate wording for PC-149r1 Section 6 to reflect a proposed schedule focused on a service launch date of on or about 17 February 2009.  
*Completed.*
- 6) Chair Jones to update PC-149r1 to reflect the changes agreed to during today's meeting and post to the PC reflector.  
*Completed.*
- 7) Mark Aitken and PC-2 reconsider minimum system support requirements as detailed in PC-149r1 Appendix 1.  
*Completed.*

- 8) Chair Jones to provide an updated version of PC-149r1 as detailed in AI 6 (above) to the Board of Directors with notification that it will be asked to tentatively approve the NWIP document, with the understanding that final approval will be given after any open items are addressed.

*Completed.*

## **5. CHAIRMAN'S OPENING REMARKS**

Chair Jones observed that considerable progress on key PC projects has been made over the past few months. He called particular attention to the PC-3 effort to develop an NWIP on non-real-time services.

Chair Jones thanked PBS for hosting today's meeting.

## **6. COMMENTS FROM THE ATSC PRESIDENT**

Mark Richer (ATSC) reminded committee members that the Annual Meeting Reception will be held this evening beginning at 6:00 p.m. at the Ritz-Carlton Pentagon City. The Annual Meeting program will begin at 8:00 a.m. tomorrow at the hotel.

## **7. REPORTS FROM PC AD-HOC GROUPS**

### **7.1 ACAP Demonstration Project**

Chair Jones said that Dan Berkowitz (NBC Universal) has temporarily stepped-back from the ACAP Field Trial Project because of pressing work commitments, adding that he has taken over leading this group for the time being.

Chair Jones outlined the current work in the ACAP group (**ATTACHMENT 4**), calling attention to the demonstrations already held, including the following:

- 2007 Technology Retreat in January
- DTV HotSpot at NAB2007 in April
- Vendor booths at the Cable Show in Las Vegas earlier this month

He said an additional demonstration is being planned for the SCTE Cable-Tec Expo in Orlando, June 19–22.

Regarding the planned field trial, Chair Jones said he hoped to get this element of the project moving in the fall. Tasks include:

- Identify and engage MSOs with OCAP capabilities
- Identify and engage broadcast stations
- Identify and develop program content and applications

Chair Jones reported that an ACAP/OCAP issues list has been prepared and passed to TSG for consideration by TSG/S2, recently reactivated under the leadership of Thomas Jung (Alticast).

Discussion followed on how to maximize opportunities for additional industry exposure for the ACAP field trial program.

### **7.2 PC-2, Improved Transmission**

Chair Jones summarized the status of the NWIP on Mobile and Handheld Services, approved by PC at the March 22 meeting. He said the ATSC Board approved the document, with some minor revisions (see **ATTACHMENT 5**), at its March 28 meeting and assigned the work to TSG. He noted that earlier in the day, TSG established a new Specialist Group on ACAP-M/H to work on mobile and handheld services, with Mark Aitken (Sinclair Broadcast) serving as the chair.

### 7.3 PC-3, Non-Real-Time

Rich Chernock (Triveni Digital, Chair of PC-3) reported on work of the group since the last PC meeting (**ATTACHMENT 6**). He said PC-3 has completed the drafting of an NWIP for Non-Real-Time (NRT) Services (**ATTACHMENT 7**).

#### 7.3.1 Consideration of NWIP for Presentation to ATSC Board

Mr. Chernock reviewed the draft NRT, noting that the NWIP defines NRT concepts and suggests a schedule and iterative feedback mechanism between TSG and PC. He explained there are four primary elements to the document:

- The NWIP itself, which closely follows the format defined by the Board
- Annex A, which covers NRT service scenarios
- Annex B, which contains detailed Requirements for NRT services
- Annex C, a survey of ATSC Standards of relevance to NRT

Mr. Chernock reminded the committee that he posted the draft NWIP to the PC reflector last week asking for comments. Suggested changes to the text relating to the proposed schedule were offered by Art Allison (NAB), which Mr. Chernock said he felt were appropriate.

Discussion followed on specific items contained within the document. John Godfrey (Samsung) observed there is some degree of overlap between the draft NRT NWIP and the approved NWIP on ATSC M/H. He said the same functions should not be invented twice. Mr. Chernock acknowledged there is a set of functions that appear to overlap; however, they may serve different needs. Mr. Richer suggested that language could be developed for Section 4 that would address this issue. Art Allison (NAB) pointed out it was appropriate to specify all of the requirements, but that identifying how those requirements are met is another issue entirely. Mr. Aitken observed there will be an ongoing need for coordination between the TSG specialist groups working on mobile/handheld services and NRT services.

Mr. Aitken worked with Mr. Godfrey and Mr. Chernock to develop text to Section 4 to address this issue. Following additional discussion, the committee agreed to the revised text (**ATTACHMENT 8**).

Mr. Chernock reported the consensus of PC-3 to request that the Planning Committee accept the draft NWIP on NRT Services and present it to the Board of Directors for consideration. Chair Jones observed the consensus of the PC to approve the document as modified by PC and forward it to the Board for formal consideration.

Mr. Chernock thanked the participants of PC-3 for their hard work in creating the NWIP. Chair Jones expressed his appreciation to Mr. Chernock for leading the PC-3 AHG.

### 7.4 Industry Education and Training

Jerry Whitaker (ATSC) reported that education and training efforts have focused recently on developing magazine articles for broadcast industry trade publications, including:

- *SBE Signal* Newsletter
- *IEEE BTS* Newsletter
- *TV Technology* magazine

Mr. Whitaker added that several ATSC-related presentations are planned for the coming months, including an SBE Ennes Seminar in Atlanta and the Wisconsin Broadcasters Association Engineering Conference.

Although not directly related to the PC education and training effort, Mr. Whitaker noted that the DTV Hot Spot at NAB2007 proved to be an excellent venue for discussing current activities within the ATSC.

## 7.5 International Participation

Wayne Luplow (Zenith) said there were no new activities to report.

## 8. ATSC 2.0 AND FIXED INDOOR RECEPTION

Chair Jones announced that Jeff Johnson (Gannet) has agreed to lead a study group on ATSC 2.0, the details of which are addressed in some detail in the Strategic Plan. He encouraged persons interested in participating in this work join the group, to be known as PC-4. Mr. Johnson said he is looking forward to working with all parties interested in the next generation of DTV services.

## 9. ADVANCED EMERGENCY ALERTING

Chair Jones reminded the committee of the assigned task to investigate the implications of advanced EAS for reception by consumers. He noted this activity has not been initiated due in large part to the press of other business. In the meantime, however, he said that work within TSG/S13 has been put on hold. That being the case, Chair Jones suggested that additional input from the Board of Directors is appropriate before moving forward. The committee agreed.

## 10. LIAISON

### 10.1 ATSC Technology and Standards Group

Bill Miller (SMPTE), Chair of TSG, highlighted major actions at the TSG meeting held earlier in the day, specifically:

- A Specialist Group on ATSC-M/H was established (TSG/S4)
- An RFP was approved on ATSC-M/H
- The proposed revision of A/57A was elevated to Candidate Standard
- Two proposed amendments to A/53 Part 5 and Part 6 were elevated to Candidate Standard
- A Working Draft corrigendum to A/74 was approved for a two-week TSG ballot
- The Candidate Standard period for CS/TSG-696r2 was extended until September 21

### 10.2 SMPTE S.22

Chris Lennon (Harris) updated the committee on work within S22-10, the SMPTE Data Exchange Working Group (**ATTACHMENT 9**). He reported that the FCD ballot resulted in 43 votes to approve, 4 to disapprove, and 128 comments. He said most comments have been resolved. A second FCD ballot will be issued after comments have been addressed.

Mr. Lennon identified an emerging potential S22-10 issue, namely PMCP compatibility. He noted that earlier in the day TSG decided to send a liaison statement to SMPTE urging that A/76 be referenced directly.

Additional discussion focused on current implementation plans for PMCP.

## 11. ACTION ITEM REVIEW

The following action items were developed at today's meeting. Items carried forward from a previous meeting are so noted.

- 1) Chair Jones to present to the ATSC Board of Directors at the May 18 meeting the NWIP on NRT services, as approved by the Planning Committee, with a recommendation that it move forward.
- 2) Jeff Johnson to lead the ATSC 2.0 working group, to be known as PC-4.

- 3) Jerry Whitaker to establish the necessary resources for PC-4.

**12. NEXT MEETING**

The next meeting of the ATSC Planning Committee is set for September 20. The final PC meeting of 2007 will be held on November 28.

**13. ADJOURNMENT**

There being no further business before the committee, the meeting was adjourned at 2:50 p.m. EDT.

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**ATTACHMENT 1. Attendance List**

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ABC-TV	William Miller
Alticast	Thomas Jung
AMD	Brian Mathews
ATSC	Jerry Whitaker
ATSC	Mark Richer
Azcar	Gavin Schutz
Broadcom	Randall Perlow
Capitol Broadcasting	Sam Matheny
CBC	Guy Bouchard
CBS	Robert Seidel
CBS	Ren McMann (by phone)
CEA	Brian Markwalter
Coherent Logix	Michael Doerr
Cox Broadcasting	Sterling Davis
Delphi	Jeff Marrah
Delphi	Todd Brandenburg
DiBcom	Stuart Pekowsky
Dolby	Walk Husake
Dolby	Craig Todd
DTS	Phillip Maness
DTS	Bill Zou
ETRI	Sung-Hoon Kim
ETRI	Heung Mook Kim
Gannett Broadcasting	Jeff Johnson
General Motors	Cem Saraydar
Genesis Microchip	Wenhan Zhang
Harris	Chris Lennon
Harris	Jay Adrick
Harris	Joe Seccia
Hitachi	John Henderson
Ion Media	Dan Borowicz
Ion Media	David Glenn
Ion Media	John Robinson
Kodak	Mark Henry
MBitl	Mike Bargauan
Merrill Weiss Group/Tribune	S. Merrill Weiss
Micronas	Richard Citta
Micronas	Shawn Yang

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Microsoft	Pat Griffis
MobiTV (rep)	Steve Smith
MobiTV	Alan Moskowitz
NAB	Art Allison
NAB	Graham Jones
NBC	Glenn Reitmeier
NCTA	Jeff Krauss
PBS	James Kutzner
Philips	Glenn Adler
Pioneer	Rich Annibaldi
Rohde & Schwarz	Mike Simon
S & T	Bruce Renne
Samsung	C.B. Patel
Samsung	John Godfrey
Samsung	Hye Jeong Chun
Samsung	Jungwan Ko
Sanyo	Glenn Rockland
SES Americom	Sesh Simha
Sharp	Craig Tanner
Sinclair Broadcast	Mark Aitken
SpectraRep (rep)	Ralph Justus
Tandberg Television	Matthew Goldman
Techwell	Paul Snopko
Thomson	Brett Jenkins
Thomson	Paul Knutson
Tribune	Andrew Bater
Triveni Digital	Rich Chernock
Zenith	Wayne Luplow
Zenith	Wayne Bretl

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**ATTACHMENT 2.** PC-147r1, Draft Agenda

[http://www.atscmembers.org/sg/AS/2007\\_05\\_16\\_Meeting/PC-147r1-Draft-Agenda-2007-05-16.doc](http://www.atscmembers.org/sg/AS/2007_05_16_Meeting/PC-147r1-Draft-Agenda-2007-05-16.doc)

**ATTACHMENT 3.** PC-146r1, Draft Minutes of March 22 Meeting

[http://www.atscmembers.org/sg/AS/2007\\_05\\_16\\_Meeting/PC-146r1-Minutes-2007-03-22.doc](http://www.atscmembers.org/sg/AS/2007_05_16_Meeting/PC-146r1-Minutes-2007-03-22.doc)

**ATTACHMENT 4.** PC-152r0, ACAP Field Trial and Demo Status Report

[http://www.atscmembers.org/sg/AS/2007\\_05\\_16\\_Meeting/PC-152r0-ACAP-Field-Trial-Status-2007-05.ppt](http://www.atscmembers.org/sg/AS/2007_05_16_Meeting/PC-152r0-ACAP-Field-Trial-Status-2007-05.ppt)

**ATTACHMENT 5.** PC-149r5, NWIP on ATSC-M/H Redline

[http://www.atscmembers.org/sg/AS/2007\\_05\\_16\\_Meeting/PC-149r5%20NWIP-ATSC-M-H\\_3-29.doc](http://www.atscmembers.org/sg/AS/2007_05_16_Meeting/PC-149r5%20NWIP-ATSC-M-H_3-29.doc)

See also: PC-149r6, NWIP on ATSC-M/H (Final)

[http://www.atscmembers.org/sg/AS/2007\\_05\\_16\\_Meeting/PC-149r6%20NWIP-ATSC-M-H\\_4-03.doc](http://www.atscmembers.org/sg/AS/2007_05_16_Meeting/PC-149r6%20NWIP-ATSC-M-H_4-03.doc)

**ATTACHMENT 6.** PC-3 Status Report

[http://www.atscmembers.org/sg/AS/2007\\_05\\_16\\_Meeting/PC3-021R4\\_PC-3%20\(NRT\)%20Status.ppt](http://www.atscmembers.org/sg/AS/2007_05_16_Meeting/PC3-021R4_PC-3%20(NRT)%20Status.ppt)

**ATTACHMENT 7.** PC-3 Draft NWIP on NRT Services

[http://www.atscmembers.org/sg/AS/2007\\_05\\_16\\_Meeting/PC3-020R2\\_NRT\\_NWIP.doc](http://www.atscmembers.org/sg/AS/2007_05_16_Meeting/PC3-020R2_NRT_NWIP.doc)

**ATTACHMENT 8.** PC-3 Draft NWIP on NRT Services Redline Changes

[http://www.atscmembers.org/sg/AS/2007\\_05\\_16\\_Meeting/PC3-020R3\\_NRT\\_NWIP.doc](http://www.atscmembers.org/sg/AS/2007_05_16_Meeting/PC3-020R3_NRT_NWIP.doc)

**ATTACHMENT 9.** PC-153r0, S22.10 Status Report

[http://www.atscmembers.org/sg/AS/2007\\_05\\_16\\_Meeting/PC-153r0-S22-10-Update.ppt](http://www.atscmembers.org/sg/AS/2007_05_16_Meeting/PC-153r0-S22-10-Update.ppt)