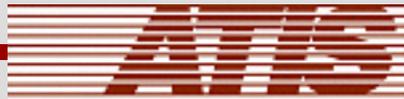


ATIS
INCUBATOR SOLUTIONS PROGRAM 4:
Hearing Aid Compatibility to Wireless
Phones

Status Update
April 21, 2004

ATIS: www.atis.org

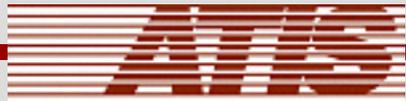
AISP.4: www.atis.org/atis/hac/hachome.htm



AISP.4 Members

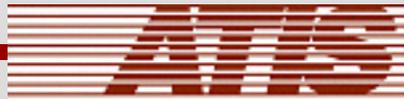
AT&T Wireless,
Audiovox Communications
Cingular Wireless
Epic Touch Co.
Hearing Industry Association
Kyocera Wireless
Motorola
Nextel
Nokia

NEC America
Panasonic
Research In Motion Limited
Samsung
Siemens
Sprint PCS
Sony Ericsson Mobile
T-Mobile
Verizon Wireless



AISP.4 Overview

- What is AISP.4, the ATIS HAC Incubator?
 - Technical body resolving hearing aid compatibility (HAC) issues
 - Solutions by consensus
 - Using a “Fast Track” process that enables industry and individual members to:
 - Identify issues
 - Address requirements, assumptions, agreements
 - Document consistent processes
 - Make general recommendations for any applicable changes to products/processes/standards
 - Expedite prototypes to test, trial and validate changes
 - Address interoperability and compatibility issues
 - Validate networks
 - Document product specifications
 - Coordinate rollouts/launches with carriers
 - Finalize implementation for each product



AISP.4 Overview

- What is AISP.4? (cont'd)
 - Experts empowered to make decisions
 - Wireless mfgs, service providers, FCC/FDA representatives, hearing aid mfgs, audiologists, consumer advocates
 - Mission statement and purpose:
 - Identify wireless solutions for HAC
 - Expedite industry process
 - Executive management team
 - Working Groups



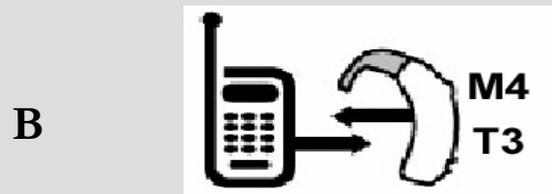
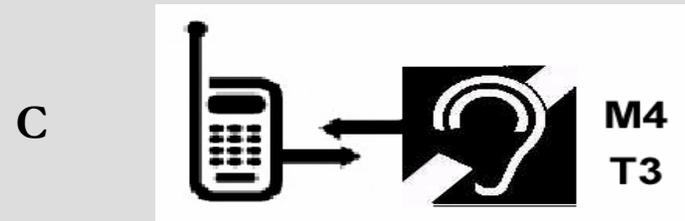
WG-6 Labeling

- Combines Expertise of Consumer and Hearing Health Professional Organizations, Researchers and Industry Representatives – FCC, FDA Input Welcome
- Created Common Descriptive Language and Universal Accessibility Icon (Currently Being Tested with Consumers)
- Planning Outreach Efforts:
 - Created contact database
 - Developed list of conventions/special events for outreach
 - Members will produce non-proprietary resources targeted at consumers, hearing health professionals and the wireless and hearing aid industries



Proposed Symbols for HAC Labeling

A
Rated for Hearing
Aids: M4, T3

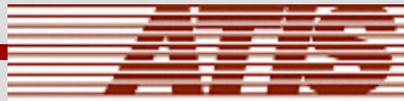


D
M4, T3



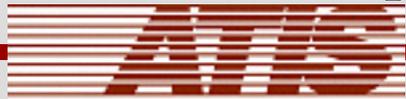
WG6 Participants

- AG Bell
- American Academy of Audiology
- American Speech, Hearing and Language Association
- Association of Dispensing Audiologists
- Cingular Wireless
- CTIA
- FCC
- Gallaudet University
- Golden Gate Hearing Services
- IEEE C63.19
- Information Technology Technical Assistance and Training Center
- Motorola
- Nokia
- Samsung
- Self Help for Hard of Hearing People
- Sony Ericsson
- T-Mobile



WG-4 Test Plan

- WG-4 Consensus Supports a Multi-Site Method to Accomplish Test Plan Objectives
- Complexity and Scope:
 - 7 manufacturers, 3 independent labs, 17 phones
 - Lab analysis now, phones next
 - Consistent Equipment, Calibration, Test Procedure, Data Collection
 - Pre-Test Packages developed to document consistent setup and identify potential sources of variability in results
 - Dipole data taken in the labs *first* to identify any inherent variability
 - “Pilot Measurement” concept, identify measurement uncertainties
- WG-4 Test Plan: Testing the Standard, but Independent from the Standards Process
- Critical Inputs to the C63.19 Standard



Challenges with C63 Revision Process

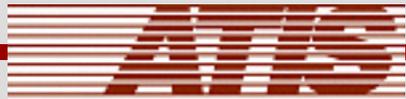
- Initial Changes Balloted and Released Since *R&O*
- ANSI Ballot Committee Now Closed
 - Future contributions filed in the form of Addendums
- Incubator Will Continue to Submit Contributions
 - Identification, validation, implementation for all changes
- C63.19 Std Will Evolve with Incubator Contributions

SUCCESSFUL HAC COMPLIANCE CAN ONLY BE ACHIEVED THROUGH THE CONTINUED SUPPORT, EMPOWERMENT, AND EXPEDITIOUS EFFORTS OF AISP.4 INCUBATOR



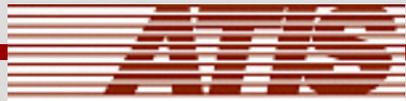
AISP.4 HAC Continuing Efforts

- Scheduled Meetings
 - Identification of all issues
 - Document all assumptions and agreements
 - Web site access to meeting reports, White Papers, etc. at www.atis.org/atis/hac/hachome.htm
- Coordination of Status Reports from Carriers/Manufacturers
 - Consolidated initial report from ATIS (due 5/17)
 - Eliminate duplication of data in description of early HAC compliance efforts
 - Standardized status form for future reports
 - Provide consistent reporting from Carriers/Mfgrs



Wireless Industry Keys to Success

- Continue Focus on Solutions to Technical Issues
- Manage Issues Using a Fast-Track Process
 - Provide adequate lead-time for product design
 - Provide carriers with time to implement hand-set rollout and consumer education
- Incubator Remains Independent of Standards Process
- FCC's Continued Support and Empowerment of AISP.4-HAC Incubator



Contact Information

For more information, please contact:

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AISP.4 – WG6 Leader <i>Susan Mazrui, Cingular Wireless</i> Susan.Mazrui@cingular.com	General Counsel <i>Megan Campbell, ATIS</i> mcampbell@atis.org
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ATIS is a technical planning and standards development organization that is committed to rapidly developing and promoting technical and operations standards for the communications and related information technologies industry worldwide using a pragmatic, flexible and open approach. Over 1,200 participants from more than 400 communications companies are active in ATIS industry committees, and its Incubator Solutions Program.

