
ITS Standards Work in FY 2008

Standards Leadership Roles and Membership in Standards Development Organizations

David J. Atkinson, Vice-Chair of the APIC Vocoder Task Group and Vice-Chair of the APIC Audio Performance Working Group, both affiliated with TIA TR-8.

Christopher J. Behm, Member of Working Party 3L and 3K, ITU-R Study Group 3.

Randall S. Bloomfield, Vice-Chair of the ISSI Task Group (ISSI TG) and Vice-Chair of the P25 Systems Architecture Working Group (PSAWG) (both within the APCO Project 25 Interface Committee); Facilitator of the P25 User Needs Subcommittee (P25 UNS) and Editor of the Project 25 Statement of Requirements (P25 SoR).

Carolyn Ford, Member of Video Quality Experts Group (VQEG), U.S. Delegate of ITU-T Study Group 9.

Paul M. McKenna, U.S. Chair of ITU-R Study Group 3 (Radiowave Propagation); Working Party 3J, 3K, 3L, and 3M; International Chair of Subgroup 3K.2.

Margaret Pinson, Independent Lab Group member for Multimedia test and Co-chair of HDTV effort, Video Quality Experts Group (VQEG).

Patricia J. Raush, Member of Working Party 3J and 3K, ITU-R Study Group 3.

Timothy J. Riley, Member of Alliance for Telecommunications Industry Solutions (ATIS) committee WTSC-RAN (Wireless Technologies and Systems Committee — Radio Access Networks) and issue champion and editor for development of a document addressing interference issues affecting wireless communication systems. Member of the US delegation to Working Party 5D (IMT Systems), ITU-R Study Group 5 (Terrestrial Services) (formerly Working Party 8F (IMT-2000 and systems beyond IMT-2000), ITU-R Study Group 8 (Mobile, radiotermination, amateur and related satellite services)).

Teresa Rusyn, Member of Working Party 3K and 3M, ITU-R Study Group 3.

Frank Sanders, Chair of ITU-R Radar Correspondence Group (radar technical spectrum issues); Delegate to ITU-R Working Party 8B (radar spectrum allocation and sharing) and Joint Rapporteur Group 1A-1C-8B (radar spectrum efficiency issues).

Neal B. Seitz, Vice Chair of ITU-T Study Group 13 (Next Generation Networks); Chair of ITU-T Study Group 13 Working Party 4 (OAM and QoS); Vice Chair of ATIS Network Performance, Reliability, and Quality of Service Committee (PRQC); Chair of PRQC's Quality of Service Task Force (PRQC-QoS).

Bruce R. Ward, Co-Editor (TIA TR8.19), TIA.102-CACA, "ISSI Measurement Methods for Voice Services," and TIA.102-CACB, "ISSI Performance Recommendations for Voice Services."

Arthur Webster, Co-chair of Video Quality Experts Group (VQEG); Rapporteur for Question 14/9 (Objective and subjective methods for evaluating perceptual audiovisual quality in multimedia services within the terms of Study Group 9) in ITU-T Study Group 9 (Integrated broadband cable networks and television and sound transmission); Chair of Joint Rapporteur Group on Multimedia Quality Assessment (JRG-MMQA); Vice-chair of ATIS PRQC's Security Task Force. Study Group 9's Liaison Officer for the ITU's Telecommunications for Disaster Relief and Mitigation - Partnership Co-ordination Panel (PCP-TDR); Co-Chair of ITU-T Study Group 9's Working Group 5 "Quality Assessment"; Head of U.S. Delegation to ITU-T Study Group 9.

Representative Technical Contributions

Contributions listed below are a sample of the extensive standards work that ITS does each year. More details of this work can be found in the individual write-ups throughout this report.

Emergency Telecommunications Service (ETS) Standardization

- “Revisions to Draft New Recommendation J.preffr ‘Roadmap for implementing preferential telecommunications in IPCablecom networks,’” ITU-T Study Group 9 Contribution 115 (USA), May 2008, (A. Webster, G. Bain (NCS/DHS)).
- IETF Internet Drafts relevant to Security and QoS Performance, ATIS PRQC-2007-151, Oct. 2007 (A. Webster, A. Nguyen (NCS/DHS)).
- Security Architecture and Requirements for Legacy and NGN Infrastructures, ATIS PRQC-2008-030, Feb. 2008 (A. Webster, S. Jacobs (YCS Consulting)).
- Media Plane Performance Security Impairments Standard for Evolving VoIP/Multimedia Networks, ATIS PRQC-2008-091, Aug. 2008 (A. Webster, S. Jacobs (YCS Consulting)).
- Draft New Recommendation J.prefp2 – “Specifications for priority in preferential telecommunications over IPCablecom2 networks,” ITU-T Study Group 9 TD 942, Sep. 2008 (A. Webster, G. Bain (NCS/DHS)).
- Draft New Recommendation J.prefa2 – “Specifications for authentication in preferential telecommunications over IPCablecom2 networks,” ITU-T Study Group 9 TD 941, Sep. 2008 (A. Webster, G. Bain (NCS/DHS)).

APCO Project 25

- Comments on APCO Project 25, Half-Rate Vocoder Annex, Version 1.0.0, Oct. 2007 (D. Atkinson).
- TIA TR8.4-07-09-001R2, TSB-102.BABF, TIA Telecommunications System Bulletin, “Experiment 3 MOS Test Plan for Vocoder Technology for Project 25 Phase 2,” Mar. 2008 (D. Atkinson).
- ITS White Paper: Project 25 Interoperability Testing for Voice Operation in Trunked Systems Involving the ISSI, ISSI TG, Apr. 2008 (B. Ward, N. Walowitz (Protiro for ITS) and A. Sharon (Protiro for ITS)).
- ITS and NIST/ANTD Comments on ISSI Conformance Test Document (07-019-R3), ISSI TG, Oct. 2007 (B. Ward, M. Ranganathan (NIST/ANTD), N. Walowitz (Protiro for ITS)).
- ITS Technical Comments on 08-043 P25 Interoperability Testing for Wide Area ISSI - Level 3 - RevB, ISSI TG, Aug. 2008 (B. Ward, N. Walowitz (Protiro for ITS) and A. Sharon (Protiro for ITS)).
- ITS Comments on Two-Slot TDMA Overview v.37 (07-088-R6), TDMA TG, Mar. 2008 (C. Redding, I. Stange).
- ITS Comments as of January 3, 2008 on 07-022 ISSI Measurement Methods - Addendum 1”, TR8.19, Jan. 2008 (B. Ward, N. Walowitz (Protiro for ITS)).
- ITS Comments as of January 3, 2008 on 07-023 ISSI Performance Recommendations - Addendum 1, TR8.19, Jan. 2008 (B. Ward, N. Walowitz (Protiro for ITS)).

Video and Multimedia Quality

- Considerations in Developing a Level 3 ISSI Interoperability Test Procedures Standard, ISSI TG, May 2008 (B. Ward, N. Walowitz (Protiro for ITS), A. Sharon (Protiro for ITS)).
- NIST/OLES Letter Ballot Comments on Draft TIA-102.CACA Addendum 1 (CSSI Measurement Methods for Voice Services), TR8.19, May 2008 (R. Bloomfield, B. Ward, N. Walowitz (Protiro for ITS)).
- NIST/OLES Letter Ballot Comments on Draft TIA-102.CACB Addendum 1 (CSSI Performance Recommendations for Voice Services), TR8.19, May 2008 (R. Bloomfield, B. Ward, N. Walowitz (Protiro for ITS)).
- ITS Comments as of September 8, 2008 on ISSI Availability Monitoring Proposal, TR8.19, Sep. 2008 (R. Bloomfield).
- NIST/OLES Comments on Two-Slot TDMA Overview v0.39 (08-07-001), TR8.12, Jul. 2008 (R. Bloomfield).
- TIA 102.CABA-A Project 25 Interoperability Testing for Voice Operation in Conventional Systems - Draft Revision 3, CAPP TG, Jul. 2008 (N. Walowitz (Protiro for ITS), R. Crosthwaite (Mindbank Technical Solutions for DOI)).
- ITS Comments as of June 20, 2008 on ISSI Conformance Test Update (08-041), TR8.19, Jun. 2008, (B.Ward, K. Behnam).
- Working Document – Issue H, Identification of P25 SoR Requirements for Updating of Current (August 4, 2007) P25 SoR, P25 UNS, Sep., 2008 (R. Bloomfield).
- ITU-T Recommendation J.244 “Calibration methods for constant misalignment of spatial and temporal domains with constant gain and offset,” approved May 2008 (A. Webster (editor), S. Wolf, M. Pinson, C. Lee (Yonsei Univ.)).
- ITU-T Recommendation J.246 “Perceptual audiovisual quality measurement techniques for multimedia services over digital cable television networks in the presence of a reduced bandwidth reference,” approved Aug. 2008 (A. Webster, editor, C. Lee (Yonsei Univ.)).
- ITU-T Recommendation J.247 “Objective perceptual multimedia video quality measurement in the presence of a full reference,” approved Aug. 2008 (A. Webster (editor), C. Lee (Yonsei Univ.), A. Takahashi, J. Okamoto (NTT), Q. Huynh-Thu (Psytechnics), C. Schmidmer (Opticom), J. Beerends (TNO)).
- ITU-T Recommendation P.910 Revised “Subjective video quality assessment methods for multimedia applications,” approved May 2008 (A. Webster, M. Pinson).
- ITU-T Recommendation P.912 “Subjective video quality assessment methods for recognition tasks,” approved Aug. 2008 (C. Ford, M. McFarland).