



61st General Meeting
of The SDR Forum

Minutes of the SDR Forum 61st General Meeting 26 to 28 January 2009

The 61st General Meeting of The SDR Forum was held January 26 to 28, 2009 in San Diego, California. The meeting was sponsored by and collocated with the JTRS Science and Technology Forum (JSTeF), and hosted working meetings of the IEEE P1900.5 and P1900.6 standards development groups. This document provides the minutes of the meeting.

The drop box for this meeting can be found at:

www.sdrforum.org/pages/san_diego_09_dropbox

Please send an email to info@sdrforum.org to get the drop box password.

Presentations from the JSTeF can be found at:

http://jtrs.calit2.net/index.php?option=com_content&task=view&id=26

Pictures of the combined event can be found at:

<http://www.flickr.com/photos/calit2/sets/72157613128958961/>

The feedback form for this meeting can be found at (feedback is still welcome):

www.sdrforum.org/sandiegosurvey.htm

Opening Plenary: Monday 26 January 2008

The meeting was called to order at 13:30 PM by the Chair of the SDR Forum, Dr. John Chapin. Attendance was checked with the COO and it was determined that a quorum was present.

Welcome messages were then delivered by Bill Hodgkiss of the University of California San Diego and from John Armantrout, CTO of the JTRS Program. An introduction to IEEE SCC41 was then given by Lynn Grande of General Dynamics along with a review of the agenda for the P1900.5 meeting. Klaus Moessner of the University of Surrey then followed with a review of the P1900.6 meeting.

Dr. Chapin then presented three documents that had completed work group and committee ballot and would be put up for final ballot on Wednesday afternoon at the closing plenary:

- Document SDRF-07-S-0016-V1.6.0 entitled “PIM and PSM for Smart Antenna Specification”
- Document SDRF-08-S-0008-V0.6.0 entitled “Transceiver Facility Specification”
- Document SDRF-08-P-0009-V0.6.0 entitled “Use Cases for MLM Language in Modern Wireless Networks”



Dr. Chapin then initiated a review of the agenda for the 60th General Meeting and adjustments were made based on feedback received.

Dr. Chapin then asked if there was any new business and hearing none, adjourned the plenary until Wednesday at 16:30. The meeting was adjourned at 13:45.

Key Accomplishments in San Diego

The following defines the key decisions and milestones achieved in San Diego, organized by committee. Information on specific projects in development can be found at:

<http://www.sdrforum.org/pages/aboutTheForum/currentProjects.asp>

Markets Committee

- ***SATCOM Special Interest Group formed***– The Markets Committee agreed to the formation of a SATCOM Special Interest Group focused on exploring the business, regulatory, and technical issues associated with the use of reconfigurable radio technologies in commercial and defence satellite communications.
- ***New Project on the “Adoption of SDR Technologies by Market Domain” initiated*** – the Markets Committee agreed to develop a white paper detailing market adoption of SDR technologies in defence, public safety, and commercial markets. The purpose of the white paper will be to dispel the myth that SDR is not being adopted outside of the defence domain by detailing products utilizing SDR technologies but not marketed as such. The next step in this project is to develop a project proposal, which will be completed by the April meeting.
- ***“Public Safety Cost Model Study” finalized*** – The Public Safety Special Interest group finalized this study and released to the Markets committee for balloting.
- ***“Issues in the International Tactical Radio Market Domain” refocused*** – The International Tactical Radio Special Interest Group reviewed the document index, refocusing certain chapters, and reallocating the work share.
- ***Marketing Requirements Document for the “SDR Forum Report on Test Guidelines and Requirements for Secondary Spectrum Access of Unused TV Spectrum, also referred to as TV White Space” completed*** –The Secondary Spectrum Access Testing Task Group completed work on their marketing requirements document (MRD) and forwarded it on for editing prior to submission to the Cognitive Radio Work Group for comment.

Regulatory Committee

- ***2009 Work Plan reviewed*** – The Regulatory Committee reviewed and updated their 2009 and 2010 work plan, to include a number of new initiatives. Key deliverables outlined during this review included:
 - Re-chartering The SDR Forum Regulatory Advisory Committee
 - Establishing liaisons with relevant work groups within the SDR Forum



- Defining and balloting regulatory recommendations as appropriate
- Hosting regulatory sessions or a regulatory workshop at SDR '09
- Developing regulatory education modules through the Education Work Group
- ***ITU Strategy development commenced***– The Regulatory Committee met jointly with the Cognitive Radio Work Group to receive the final report on the disposition of the SDR Forum’s input to ITU Working Party 5A and to discuss a strategy for engaging with the ITU with respect to the WRC 2011 agenda items on software defined and cognitive radio moving forward. The Regulatory Committee intends to present this strategy to The SDR Forum Board of Directors for approval by the April 2009 General Meeting.

Technical Committee

- ***Vice Chair appointed*** – The Technical Committee Chair, Dr. Bruce Fette, confirmed the appointment of Eric Nicollet as Vice Chair
- ***Draft Ontology for the “Modeling Languages for Mobility” completed*** – The Meta-language for Mobility Work Group completed the first draft of this ontology and agreed to develop a test case on whether the ontology was expressive enough to describe a particular waveform.
- ***Ambiguities in SCA version 2.2.2 identified*** – The SCA Interpretation Guide task group reached consensus on a number of ambiguities in the SCA. They also began work of defining solutions to these ambiguities.
- ***Submission plan for “Transceiver Facility Specification” revisions defined*** – The SCA API Task Group agreed that work would be submitted to Transceiver Subsystem Interfaces Task Group as a contribution document containing our suggested additions and changes to the “*Transceiver Facility Specification*”. The group also reached provisional consensus on most issues on the form of the interface description language and on the locations in the specification that require additions.
- ***“Test and Certification Guide for SDRs based on SCA Part 1: SCA” finalized*** – The SCA Test and Evaluation Task Group completed their final review of the certification guide in preparation for a work group ballot.
- ***Positioning statement for the International Security Services API project defined*** – The nascent International Security Services API Task Group drafted a positioning statement for use in the project proposal that will officially form the group.
- ***“Securing Software Reconfigurable Communications Technology” ballot comments resolved*** – The security work group resolved the comments received during the technical committee ballot.
- ***Change proposals for the “Transceiver Facility Specification” reviewed*** – The Transceiver System Interface Task Group reviewed change proposals submitted by Marco D’Ambrosio representing Selex Communications and agreed to initiate a revision project.



Other Highlights of the 61st General Meeting

Keynote addresses to joint session of the JSTeF and the SDR Forum – Addresses were received from four keynote speakers:

- Howard Pace, *Deputy Joint Program Executive Officer Joint Tactical Radio System*
- Brigadier General Jeffrey Foley, *Commander, U.S. Army Signal Center; Commandant, of the Signal School; Army Chief of Signal*
- Dr. Cynthia Dion-Schwarz, *Director, Information Systems DUSD(S&T)/DDR&E*
- Katherine "KB" Bailey, *Director, International Programs for Program Executive Officer, Command, Control, Communications, Computers and Intelligence and Space (PEO C4I & Space) and JPEO JTRS*

Other Presentations

- Gerald Albricht, representing the Fraunhofer Institut for Integrated Circuits IIS, presented a proposal for a IQ Baseband Interface Specification to the SDR Forum Plenary
- Peter Tenhula, representing Shared Spectrum Company, presented an overview of the FCC TV White Space ruling
- Maximilian Sandmann, representing Vondel O.G, presented the Netherlands Antilles TV White Space Proposal
- Peter Cook, representing Hypres, presented a proposal to the Cognitive Radio Work Group on a concept for organizing the information processing elements of the world (radio, computers, people) into a unified architecture to better facilitate the discussion and design of cognitive radios and systems

Regional reports were also presented from representatives from ITU regions 1, 2, and 3 as well as liaison reports on relevant activities from representatives of IEEE SCC41, the OMG, ETSI and the E3 Program.

Closing Plenary – Wednesday, 28 January 2009

The meeting was recalled to order at 16:30 hours by Dr. John Chapin.

Ballots –Dr. Chapin began the plenary session by initiating the plenary ballot on the three documents presented at the open plenary on Monday:

- Document SDRF-07-S-0016-V1.6.0 entitled “PIM and PSM for Smart Antenna Specification”. Dr. Chapin asked for a motion to approve the document, and the motion was made by Mark Scoville, representing L3 Communications, and seconded by Glenn Fogarty, representing Boeing. Dr Chapin asked for discussion and hearing none, called the question. The motion passed and the document was approved by unanimous consent.
- Document SDRF-08-P-0009-V0.6.0 entitled “Use Cases for MLM Language in Modern Wireless Networks”. Dr. Chapin asked for a motion to approve the



- document, and the motion was made by Mitch Kokar, representing Vistology, and seconded by Bruce Fette, representing General Dynamics. Dr Chapin asked for discussion and hearing none, called the question. The motion passed and the document was approved by unanimous consent.
- Document SDRF-08-S-0008-V0.6.0 entitled “Transceiver Facility Specification”. Dr. Chapin asked for a motion to approve the document, and the motion was made by Pekka Heikkinen, representing Elektrobit, and seconded by Ruediger Leschhorn, representing Rohde and Schwarz. Dr Chapin asked for discussion and hearing none, called the question. Robert Normoyle, representing DRS, abstained and the motion passed.

Hands on group portal training – Training was provided by Mr. Al Margulies on The SDR Forum’s group portal. Additional training will be provided at each general meeting.

Presentation of the 2009/2010 Operations Plan and Budget – Operation plan and budget for FY2009 and FY2010 were presented by Mr. Lee Pucker. Mr. Pucker indicated the budget would be sent to SDR Forum principle and alternate representatives for final approval.

Out Briefs – Out briefs were given on the outcomes of the San Diego meeting by the chairs of the Technical Committee, the Markets Committee, and the Regulatory Committee.

Close of the 61st General Meeting – Following the completion of the balloting process, the meeting was adjourned at by Dr. Chapin at 17:30 hours.