Minutes of the SDR Forum 64th General Meeting
14 to 16 September 2009 in San Jose, California

The 64th General Meeting of The SDR Forum was held September 14 to 16, 2009 in San Jose, California. The meeting was held in conjunction with a workshop entitled "Rapid FPGA Development for Wireless Applications – IP Cores, Tools, and Standards" on 17 September. This document provides the minutes of the general meeting.

The drop box for the meeting can be found at on the SDR Forum group portal at:
http://groups.sdrforum.org/p/do/si/topic=215

Only representative of member organizations will be able to view and download presentations from the group portal.

The drop box for the FPGA Development workshop can be found at:

http://sdrforum.org/pages/sanjose_09_fpga/

Please send an email to StephanieHamill@SDRForum.org to get the drop box password.

The feedback form for the meeting can be found at:
http://tinyurl.com/kmum27

The feedback form will remain open until 4 October 2009.

Opening Plenary: Monday 14 September 2009
The meeting was called to order at 12:30 PM by the Chair of the SDR Forum, Dr. John Chapin. The Chair ask if there were any proxies, and Ruediger Leschhorn, Vice Chair of the SDR Forum, indicated that he was holding a voting proxy for the following organizations:

- Booz Allen Hamilton
- Cognitive Radio Technologies
- Elektrobit
- NASA Glenn Research
- Telefunken Racom
- Vanu

Attendance at the meeting was checked and it was determined that a quorum was present.

Dr. Chapin then asked for a motion to waive reading of the minutes of the Madrid and Dearborn meetings. The motion was made by John Fitton, representing Harris

Corporation, and seconded by David Murotake, representing SCA Technica. Dr. Chapin asked for discussion and hearing none called the question. The motion passed by unanimous consent. Dr. Chapin then called for a motion to approve the minutes of the Madrid and Dearborn meetings. The motion was made by Joe Jacob, representing Objective Interface Systems, and was seconded by Ruediger Leschhorn, representing Rohde and Schwarz. Dr. Chapin asked for discussion and hearing none called the question. The motion passed by unanimous consent.

Dr. Chapin then read the IPR and controlled information policy statements, and initiated a review of the agenda for the 64th General Meeting. Adjustments were made to the agenda based on feedback received.

Dr. Chapin then asked for a motion to recess the meeting to 16 September at 13:30. The motion was made by Eric Nicollet, representing Thales, and seconded by Steve Bernier, representing CRC. Dr. Chapin asked for discussion and hearing none called the question. The motion passed by unanimous consent.

The meeting was recessed at 13:45.

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

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

Markets Committee

- *"Issues in the International Tactical Radio Market Domain" matured* – The International Tactical Radio Special Interest Group reviewed the entire document and re-evaluated its scope. The decision was made to divide the document into smaller pieces based on the commitments they received on additional input contributions, and the document index was adjusted accordingly. The group set their work plan through the March 2010 meeting, and established a model for interacting with the SCA Work Group.

- "*Use Cases for Cognitive Radio Technology in Public Safety Systems Part 2 – Chemical Plant Scenario" matured* – The Public Safety Special Interest Group (PS-SIG) matured this document, and set 29 September 2009 as the date for final inputs. It is anticipated that work group ballot on this document will occur following the 5 October 2009 teleconference. The PS-SIG also met jointly with the SATCOM Special Interest Group (SATCOM SIG) to discuss integrating SATCOM considerations into Public Safety Discussions, and the Cognitive Radio Work Group to mature the Information Processing Architecture project proposal. They also began planning a new technology survey project.

- ***SDR'09 SATCOM Workshop Matured*** – The SATCOM Special Interest Group reviewed plans for the SATCOM Workshop being held in conjunction with SDR'09 and made adjustments in the program based on commitments received. The also worked on inputs to the Regulatory Committee for the SDR Forum's planned response on the FCC Notice of Inquiry on Innovation.

Regulatory Committee

The Regulatory Committee met to create an outline and solicit inputs for a planned SDR Forum response on the FCC Notice of Inquiry on Innovation. Comments are due to the FCC by 30 September 2009, with response comments due by mid-October.

Technical Committee

- ***Market report entitled "Quantifying the Benefits of Cognitive Radio" matured*** – The Cognitive Radio Work Group (CRWG) continued work on this document, securing commitments for additional contributions in specific sections, adding a section on commercial applications, and removing sections where no contributors could be found. The objective of the group is to complete work on this document in advance of the SDR'09 conference. The CRWG also worked on inputs to the Regulatory Committee for the SDR Forum's planned response on the FCC Notice of Inquiry on Innovation.
- ***Report on Programmable Baseband Processing Technologies completed*** – The Chair of the Commercial Baseband Processing Technologies task group declared the group ballot complete and submitted the document for technical editing prior to submission to the Technical Committee. The group also discussed their next potential project, and developed a project proposal on business models for open source commercial waveform development.
- ***Version 4.0 of the SDR Ontology was accepted by consensus vote as complete for use with the FM3TR representation by the Modeling language for Mobility Work Group*** – The group also began discussing possible scenarios for presenting the Formalized approach to SDR Forum members and other use cases to explore.
- ***Plans set by the SCA Work Group for long term evolution of the SCA*** – During the San Jose meeting, a presentation was given by Kevin Richardson, representing SPAWAR, on the JTRS JPEO plans for evolving the SCA. During this session, Mr. Richardson reviewed the change proposals currently identified for the "SCA Next" project. Following this, a presentation was made by Eric Nicollet representing Thales, on behalf of the ESSOR program in Europe proposing that discussion on the evolution of the SCA should act under the umbrella of the SDR Forum, and that long term the SDR Forum should act as the custodian for the specification. Following these presentations, the member representatives participating in the SDR Forum SCA Work Group discussed how they could best assist the JPEO in their effort, given the significant work that is already underway. Based on those discussions, these members decided to formally

propose leading the development of a solution for two change proposals (CPs) to the JPEO: CP S013 – Architectural Consistency and CP S047 – Develop CORBA/e and CORBA Services Wording.

In addition, the SCA Work Group discussed how to best support to support the broader needs of the international tactical radio community, given the proposal received from the ESSOR program. During these discussions, these members agreed to evolve the SCA Work Group to actively contribute to the continued development of the SCA in a distinct and recognized manner through the following actions:

- Establish an SCA Steering Committee to develop and maintain a global roadmap for future versions of the SCA with defined sets of capabilities (including change proposals) and release timelines.

- Continue to enable discussion, development and clarification of SCA requirements to evolve the specification, including: identification, development and publishing applicable use cases, providing written guidance for consistent interpretation of the specification, and the generation of change proposals.

- Organize and operate an SCA Users' Group with the express purpose to share ideas, exchange knowledge and contribute best practices.

Support for this proposal was given through the affirmative vote of the following organizations within the SCA Work Group:

- Communications Research Centre (Canada)
- Defense Group Inc. (USA)General Dynamics (USA)
- Harris Corporation (USA)
- Indra Sistemas (Spain)
- ITT (USA)
- MIT Lincoln Labs (USA)
- Raytheon (USA)
- Rohde and Schwarz (Germany)
- Selex Communications (Italy)
- Southwest Research Institute (USA)
- SPAWAR
- The Thales Group (France)
- Ultra Electronics (Canada)

Mitre Corporation abstained in the voting of the SCA Work Group and there were no negative votes. A plan was set for communicating the details of the plan to key stakeholders world wide, and work began on the defined change proposals.

- *International Security Services API matured* – the International Security Services API Task Group voted to approve the use of the SCA 3.0 Security Services and the CICM as baseline inputs for their effort and began development of a functional requirements document. The Task Group also agreed to work with the SDR Forum SCA Next development group to develop input for the development of the JPEO JTRS SCA Next security supplement
- *Security Services Requirements Document matured by the Security Work Group*
- *Test and Measurement project for TV Whites Spaces defined* – During this meeting, the Secondary Spectrum Access Test Group and the Test and Measurement Work Group agreed to merge their current projects. A project proposal for this new project was created, and that proposal was forwarded onto the project approval committee.
- *Work continued on Version 2 of the SDR Forum Transceiver Facility Specification* – The Transceiver Facility Specification Task Group continued work on the next revision of their specification. The group also met jointly with the Smart Antenna Workgroup to define a plan for aligning the Smart Antenna Specification with the Transceiver Facility Specification.

Open Plenary Session – 16 September 2009
An open plenary was held where Regional reports were presented from representatives from ITU regions 1, 2, and 3 as well as liaison reports on relevant activities from representatives of IEEE SCC41, ETSI and the E3 Program. A member opportunities briefing was also provided by Lee Pucker, CEO of the SDR Forum. The session also included a keynote presentation from Dean Westman, Vice President – Communications Business, Xilinx entitled *"The Programmable Imperative: Multimode IS The New Air Interface"*

Closing Plenary –16 September 2009 (Members Only)
The meeting was recalled to order at 16:00 hours by Dr. John Chapin, and out briefs were given on the outcomes of the San Jose meeting by the chairs of the Markets, Regulatory and Technical Committee.

Close of the 64th General Meeting – Dr. Chapin asked for new business and hearing none, closed the meeting at 17:30 hours.