Minutes of the SDR Forum 59th General Meeting
3 July 2008

The 59th General Meeting of the SDR Forum was held June 16th to 19th in Portland, Oregon. This document provides the minutes of the meeting.

Drop boxes for the Portland meeting can be found at:
http://www.sdrforum.org/pages/portland_08_dropbox/
http://www.sdrforum.org/pages/portland_08_workshop/

The feedback form for this meeting can be found at:
http://www.zoomerang.com/Survey/?p=WEB227WVWR32WK

Opening Plenary: Monday 16 June 2008

The meeting was called to order at 12:30 PM by the Chair of the SDR Forum, John Chapin.

Attendance was checked with the COO and it was determined that a quorum was not present. The COO notified the chair that proxies were coming in and that a quorum was anticipated for the closing plenary.

Dr. Chapin then invited the Chair of the Public Safety Special Interest Group, Fred Frantz to present to the members the report entitled *"Utilization of Software Defined Radio (SDR) Technology for the 700 MHz Public/Private Partnership"* which was to be balloted during the closing plenary.

Dr. Chapin then initiated a review of the Agenda for the 59th Meeting and adjustments were made based on feedback received.

The meeting was adjourned at 13:30 until the closing plenary to be held on Wednesday at 16:30.

Key Accomplishments in Portland

The following defines the projects that will be worked on during the 59th General Meeting of the SDR Forum in Portland, Oregon, organized by committee:

Markets Committee

- Participation in the 2009 Mobile World Congress – the Markets committee continued to explore hosting a booth for SDR Forum members at the 2009 Mobile World Congress in Barcelona. The initial costs of such a booth with associated private meeting rooms were discussed, and follow up actions were established. The SDR Forum has registered to be added to the

exhibition waiting list for the Mobile World Congress, and is now actively seeking member companies who are interested in sharing in an SDR Forum booth during the event.

- Commercial Special Interest Group – the Markets Committee continued to discuss the formation of a special interest group focused on a relevant commercial market. The committee agreed to continue to pursue the formation of groups focused on White Space Communications and Vehicle Telematics/ITS.
- Public Safety Special Interest Group – During the Portland meeting the Public Safety SIG prioritized the Use Cases to be defined in the report entitled *"Use Cases for Cognitive Radio Technology in Public Safety Systems"*, and set their work plan for this document over the next 3 months. They also gave a status update on the cost model study, and provided a plan to promote these tools to committee level for balloting by the September Meeting.
- International Radio Special Interest Group – The ITR-SIG continued to mature their report entitled "*Issues in the International Tactical Radio Market Domain"*. The focus of this report for the next 2 months will be on defining the market requirements and issues about certifications and APIs. In addition, the group will reach out to the NATO NIAG Study Group on SDR for input on the Coalition Waveform Business Model.

Regulatory Committee

- SDR Forum Regulatory Agenda and Regulatory Recommendations – The Regulatory continued work on the "*Draft Regulatory Recommendation on Technology and Application Neutrality"*. This work will be matured through teleconferences to be scheduled over the summer.

Technical Committee

- Cognitive Radio Work Group – The CRWG continued developing response material for the "*ITU response document to questions on Cognitive Radio"*. Sections 1-7 were reviewed, and substantial edits applied to sections 1-5. Writing assignments will be distributed shortly.
- Crypto API Project – The proposed Crypto API project was discussed further, and will likely be pursued in 2 phases. Phase 1 will occur in the ITR-SIG and will develop use cases and system requirements. Phase 2 will occur in Security Work Group and will develop a platform independent model of the API for follow on standardization.
- Meta-language for Mobility Work Group - Three sessions of MLM WG were held to complete the editing of the first use case document. Approximately 80% of the document was edited to the satisfaction of all participants. The group's plan is to complete the additional writing and editing prior to the next teleconference. They will then review the

remainder of the document at the next teleconference and vote the document out of the WG by no later than the second teleconference.

- SCA Work Group
  - The SCA work group agreed to proceed with endorsement appoach for SCA 2.2.2, discussed and reached consensus on a draft endorsement statement, and agreed to proceed with email WG ballot on endorsement immediately with target of Committee ballot before Sept meeting and plenary vote at Sept meeting. In addition, the group agreed to work plan for the "*Software Communications Architecture Interpretation Guide"* and established follow up action items.
  - The SCA API Task Group continued work on the "*SCA WG API Implementers Guide",* including discussing the draft of new extension API: Vocoder Loopback Control Extension and discussing issues about content of API/component specifications. They also reviewed the working proceedures, and promoted one issue to the SCA work group level for balloting.
  - The Test and Evaluation Task Group began work on the *"Test and Certification Guide for SDRs based on SCA Part 1: SCA".* This work included creating a draft table of contents, establishing a work process, and assigning section of the report for follow-on.
- RF Technology Project – A meeting was held to discuss the proposed RF technologies project, the scope of the project was redefined and additional volunteers were identified. It was agreed that a teleconference would be held in July to further refine the project with a goal of formally kicking off the project, should it move forward, at the September SDR Forum meeting.
- Security Work Group – The Security Work group reviewed and approved the specification entitled "*Securing Software Reconfigurable Communications Technology"* and promoted this document to the Technical Committee for balloting. They also began exploring a new project considering the concepts of operation and case studies discussed in the document with the objective of developing security profiles for a range of SDR devices.
- Smart Antenna Work Group: The Smart Antenna WG continued to mature the *"Smart Antenna Specification: PIM and PSM for Smart Antenna"* undergoing standardization through the Object Management Group.
- Test and Measurement Task Group – The T&M Task Group continued to solicit responses the their RFI during the meeting, and analyzed the responses received. They then set a work plan for maturing their document "*Test and Measurement of unique features for Software-Defined/Cognitive Radios"* over the next 3 months.
- Transceiver System Interface Task Group – The TSI Task Group continued to mature the document entitled "*Transceiver Facility*

Specification" , reviewing comments from Vanu, ADC, and Rohde and Schwarz. They also set their work plan for the next 3 months.

Other Highlights of the Meeting

Keynote address by Chris Ciufo, Group Editorial Director, Military Embedded Systems Magazine – Chris Ciufo presented a keynote address entitled "Top 10 Commercial Technologies for the Warfighter". In this address he examined the evolution of commercial technologies that have had, or are expected to have, a major impact on the warfighter, exploring the successes of each technology and the issues that were yet to be addressed. Specific technologies explored during this talk were Multicore CPUs, Virtualization and Virtual Machines, Software-Defined Radio, FPGAs, Secure Software, Open Standards, and Open Source.

Presentation by Eric Nicollet on the E3 program – Eric Nicollet of Thales presented an introduction to the European End-to-End Efficiency Program (E3), the goal of which is to "is to design, develop, prototype and showcase solutions to guarantee interoperability, flexibility and scalability between existing legacy and future wireless systems, manage the overall system complexity, and ensure convergence across access technologies, business domains, regulatory domains and geographical regions". This program builds on the success of the E2r and E2R Phase II programs and will be working to introduce cognitive wireless systems into the beyond 3G world.

Presentation by John Armantrout, CTO of the JTRS JPEO – In support of the memorandum of understanding recently signed between the JTRS program and the SDR Forum, John Armantrout provided an introduction to the JTRS Science and Technology acquisition process and the new JTRS Science and Technology Forum (JSTeF), presenting the vision of the JTRS JPEO for this Forum and possible areas of collaboration. He also introduced the joint meeting of the SDR Forum and the JSTeF to be held in January of 2009 in San Diego, CA.

Presentation by Norm Day from the Network Centric Operations Industry Consortium (NCOIC) – In support of the joint membership exchange between the SDR Forum and the NCOIC, Norm Day from the NCOIC gave a brief presentation introducing the NCOIC to SDR Forum members and Guests. Follow on discussions will ensue to identify areas in which the SDR Forum and NCOIC can best collaborate to the benefit of both organizations.

FCC 700 MHz NPRM Response – The Board of Directors of the SDR Forum approved a fast track recommendation from the SDR Forum Regulatory Committee entitled *"Comments of the SDR Forum on the 2nd Notice of Proposed Rulemaking in the Matter of Implementing a Nationwide, Broadband,*

Interoperable Public Safety Network in the 700 MHz Band". This recommendation was subsequently submitted to the US FCC.

Closing Plenary – Wednesday, 18 June 2008

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

Outbriefs were given on the outcomes of the Portland meeting by the chairs of the Technical Committee, the Markets Committee, and the Regulatory Committee.

Dr. Chapin then initiated the balloting activity on the report entitled *"Utilization of Software Defined Radio (SDR) Technology for the 700 MHz Public/Private Partnership".* The CEO confirmed that, with the proxies received and held by the SDR Forum Secretary, a quorum was present for the plenary ballot. The motion was made to approve the document by Peter Cook, representing Hypres, and was seconded by David Murotake, representing SCA Technica. Dr Chapin asked for discussion and hearing none, called the question. The ballot passed and the document was approved with Battery Ventures, Mercury Computer, and Telefunken Racom abstaining.

The meeting was adjourned at 17:30.