

Minutes of the 70th General Meeting of the Wireless Innovation Forum 12 to 14 September 2011

The 70th General Meeting of The Wireless Innovation Forum (SDR Forum version 2.0) was held September 12 to 14, 2011 in Montreal, Canada. This document provides the minutes of that Forum's meeting.

The drop box for this meeting can be found at:
<http://groups.winnforum.org/p/do/si/topic=458>

The drop box is accessible to Forum members only.

The feedback form for this meeting can be found at (feedback is still welcome):
www.WirelessInnovation.org/page/70thMeetingSurvey

Opening Plenary: Tuesday, 13 September 2011

The meeting was called to order at 12:00 PM by the Chair of the Forum, Mr. Bruce Oberlies. Meeting announcements were made, followed by presentations on the following documents:

- WINNF-09-S-0011 entitled "International Radio Security Services Application Programming Interface", presented by Mr. Scott Leubner representing Harris,
- WINNF-09-P-0006 entitled "White Paper on Technology Issues for the International Tactical Radio Market", presented by Mr. Oberlies on behalf of the International Tactical Radio Special Interest Group,
- WINNF-11-R-0004 entitled "WINNF Approved Issues and Resolutions concerning the November 2010 Draft of the SCA Next Specification", presented by Mr. Terry Anderson representing ITT,
- WINNF-11-R-0005 entitled "Change proposal to Draft SCA Next AEP (Appendix B) for harmonization with ESSOR Architecture", presented by Mr. Anderson representing ITT, and
- WINNF-11-R-0006 entitled "Change proposal to the Draft SCA Next CORBA Profiles for Harmonization with ESSOR Architecture, presented by Mr. Anderson representing ITT.

Mr. Oberlies indicated that these documents had all completed Committee Level Ballot, that all comments have been resolved, and that the final version document for each document was available in the drop box. Mr. Oberlies further indicated that the documents will be balloted at the Forum level on Wednesday following the Forum's approved policy on Document Development (Policy 001).

Mr. Oberlies then initiated a review of the agenda for the 70th General Meeting. Adjustments were made based on feedback received, and then Mr. Oberlies recessed the Plenary until Wednesday at 15:45. The meeting was adjourned at 13:00.

Key Accomplishments in Montreal

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

http://www.wirelessinnovation.org/page/Current_Projects

User Requirements Committee Meeting Minutes

- ***Report on Disaster Recovery Communications Matured*** – Mr. Daniel Devasirvatham, representing SAIC, presented an overview of the “Hybrid SATCOM Reference Architecture” document under development by the SATCOM Special Interest Group, and following this, the group continued work of the document. A decision was made during the meeting to develop separate sections in the document exploring solutions to disaster recovery utilizing a hybrid architecture approach in regions of the world that include the USA, Canada, Europe and Australia. Commonalities between these regional solutions will be sought, and issues will be identified, including regulatory issues. The group also began preparing for a workshop on "Disaster Recovery" to be held in conjunction with the 71st General Meeting of the Forum that will be held in San Diego in March of 2012.
- ***New project approved for the International Tactical Radio Special Interest Group (ITR-SIG)*** – the ITR-SIG, Chaired by Mr. David Renaudeau, representing Thales completed work on a project proposal for developing a new report exploring "Business Models of the International Tactical Radio Market". The proposal was submitted to the Project Approval Committee and was subsequently approved. The group also began planning a tactical radio workshop to be held in conjunction with the SDR'12-WInnComm-Europe conference to be held in Brussels in June of 2012.
- ***RFI on "Cognitive Radio Technologies for Public Safety" revised*** - The Public Safety Special Interest Group, chaired by Mr. Fred Frantz representing L3 Communications and Mr. Rick Taylor representing Harris Corporation, worked to restructure their Request for Information to make it easier for individuals to respond. The group then set plans for re-release of the RFI and including defining a list of people to invite to respond. The group also discussed the results of the meeting they had with representatives of the Public Safety Community at the APCO conference, and discussed following a similar model during a workshop being held in December in North Carolina and at IWCE in February in Las Vegas.

Regulatory Committee Meeting Minutes

- ***Regulatory Committee Sets Plans for Next Quarter*** – a joint meeting of the Regulatory Committee and the Regulatory Advisory Committee was held covering topics that included
 - SDR '11 Regulatory Workshop Write-up and Prep
 - Industry Canada's TVWS Consultation Paper
 - New RegCom Ballot Item: DSA/White Space Interoperability Group's draft "Geographic Contour Calculation Guidelines" for potential submission to FCC

The group also began setting plans for follow up on each of these work items.

Committee on Next Generation Radio Technology Meeting Minutes

- "Open Source Framework for Commercial Baseband Software" project kicked off - the Commercial Baseband Processing Work Group, Chaired by Dr. John Glossner representing Optimum Semiconductor Technologies, kicked off their new project including:
 - Worked on call for contributions/participation
 - Determined structure of Steering Group
 - Architectural direction
 - IPR identification
 - Discussed procedure for determining licensing (LGPL, dual license)
 - Technical discussion concerning real-time characteristics of code (Virtual function calls in C++, New/malloc)
 - SCA compatibility

The group set plans for maturing this frame work over the next quarter and confirmed Mr. Alexander Chemeris, representing Fairwaves, as the group's new vice-chair.

- ***Security Work Group project reviewed*** – John Fitton, representing Harris Corporation, led the Security Work Group in a review of the "Security Requirements and profiles Case Studies" project.
- ***Next steps for evolving the "International Radio Security Services Application Programming Interface (IRSS-API)" explored*** - The IRSS-API task group, led by Mr. Scott Leubner representing Harris Corporation explored next steps in anticipation of successful plenary ballot of their document. Ideas explored included waveform use case analysis to target potential extensions to the API. The group also discussed plans to promote the API, including presenting at MILCOM and SDR'11.
- ***New project defined by the Transceiver Facility Specification Work Group*** – The Transceiver Facility Specification Work Group, Chair by Eric Nicolet representing Thales, developed a new project proposal for exploring transceiver

configuration profiles. The group set plans to complete work on the proposal and submit to the Project Approval Committee for consideration in early October.

Committee on Advanced Wireless Networking and Infrastructure Meeting Minutes

- ***"Information Processing Architecture (IPA) matured*** – The Cognitive Radio Work Group, Chaired by James Neel representing Cognitive Radio Technologies Inc., worked to reviewed the IPA status and the brainstormed on eventual solutions, including exploring layered orthogonal schema based on XML that are adapted to meet changing operating contexts / needs. The group also discussed metrics and use cases for evaluating mechanisms to support CR information exchange.

Coordinating Committee on International SCA Standards Meeting Minutes

- ***Project Proposal on "Recommendations for Roadmaps Elaboration" Finalized and Approved*** - Members of the Committee Steering Group, Chaired by Eric Nicollet representing Thales, completed work on a new project proposal for defining a framework for defining an SCA roadmap. The project proposal will be circulated to the Advisory Council for comment prior approval.
- ***New projects explored for SCA Next, SCA API and SCA Implementers Work Groups*** – Separate sessions of each of these work groups were led by Mr. Terry Anderson, representing ITT to explore new projects that could be undertaken by each work group now that the SCA Next activity is winding down. The group agreed to prioritize the projects defined during future teleconferences and edited into a project proposals.
- ***SCA Test, Evaluation and Certification Model Realization Matured*** – the SCA Test and Evaluation Work Group, Chaired by Dr. Ruediger Leschhorn representing Rohde and Schwarz, reviewed their document and continued its development. Four use cases were identified and described
 - Use Case #1: National, Industry Driven Certification
 - Use Case #2: Multinational Project
 - Use Case #3 AWF: Government Model - JTRS
 - Use Case #4: Developing Nation

Cornerstones of the Recommendations discussed included the following:

- Let the radio providers do as much evaluation as possible to minimize the overall effort, time to market and IPR issues
- Allow an ecosystem to develop by providing an open process

- Minimize divergence of tests by allowing just one Definition Body per standard
- Ensure that the Definition Body is an independent, internationally recognized organization
- The Accreditation depends on the category the certification (e.g. cat 1: open etc.)
- Accreditation Body shall accredit test lab and the test suite

The group agreed to continue development of their document via teleconference with a target for work group ballot of November.

Roadmap Committee

- *Next steps planned to mature "Top 10 Most Wanted Wireless Innovations"* – In anticipation of plenary approval of the Top 10 document following email ballot, the Roadmap Committee, Chaired by Claude Belisle representing CRC, discussed next steps in evolving the roadmap document. Concepts discussed included:
 - Invitation to community to present potential solutions to required innovations
 - Linkages to interested companies and funding agencies
 - Creation of Working groups focused on exploring solutions
 - Conference tracks
 - Updates / Expansion of the Roadmap Wiki

Closing Plenary – Wednesday, 14 September 2011

The meeting was recalled to order at 15:45 hours by Mr. Bruce Oberlies. It was determined at this time that a quorum was present, and Rafael Aguado, representing Indra and Secretary of the Forum indicating that the following organizations were represented by proxy:

- CTVR
- Hypres
- Kolodzy Consulting
- NPSTC
- Reservoir Labs
- Shared Spectrum
- SPAWAR
- Stevens Institute
- ST Microelectronics
- Tata SED
- TV Band Services
- UCSD
- University of Oulu
- Vistology

Mr. Oberlies asked for a motion to waive reading and approval of the minutes for the last meetings (http://data.memberclicks.com/site/sdf/68th_General_Meeting_Minutes.pdf)

Dr. John Glossner, representing Optimum Semiconductor, so moved and Mr. Claude Belisle, representing CRC seconded. Mr. Oberlies called the question, and the motion carried with no negative votes or abstentions.

Mr. Oberlies then introduced the documents for ballots at the plenary level:

- Mr. Scott Leubner representing Harris Corporation moved to approve document WINNF-09-S-0011 entitled "International Radio Security Services Application Programming Interface". Rafael Aguado representing Indra seconded. Mr. Oberlies asked for discussion, and hearing none called the question. The ballot passed with no negative votes and abstentions from Reservoir Labs, ST Microelectronics, TV Band Services, Shared Spectrum and Thales.
- Mr. David Renaudeau representing Thales moved to approve document WINNF-09-P-0006 entitled "White Paper on Technology Issues for the International Tactical Radio Market". Manuel Uhm representing MIPS Technology seconded. Mr. Oberlies asked for discussion, and hearing none called the question. The ballot passed with no negative votes and abstentions from Reservoir Labs, ST Microelectronics, Virginia Tech, TV Band Services, SPAWAR and Shared Spectrum.
- Mr. Terry Anderson representing ITT moved to approve document WINNF-11-R-0004 entitled "WINNF Approved Issues and Resolutions concerning the November 2010 Draft of the SCA Next Specification". Eric Nicollet representing Thales seconded. Mr. Oberlies asked for discussion, and hearing none called the question. The ballot passed with no negative votes and abstentions from Reservoir Labs, ST Microelectronics, Kolodzy Consulting, and Shared Spectrum.
- Mr. Terry Anderson representing ITT moved to approve document WINNF-11-R-0005 entitled "Change proposal to Draft SCA Next AEP (Appendix B) for harmonization with ESSOR Architecture". Pekka Heikkinen representing Elektrobit seconded. Mr. Oberlies asked for discussion, and hearing none called the question. The ballot passed with no negative votes and abstentions from all proxy votes.
- Mr. Terry Anderson representing ITT moved to approve document WINNF-11-R-0006 entitled "Change proposal to the Draft SCA Next CORBA Profiles for Harmonization with ESSOR Architecture". Eric Nicollet representing Thales seconded. Mr. Oberlies asked for discussion, and hearing none called the question. The ballot passed with no negative votes and abstentions from Reservoir Labs, ST Microelectronics, Kolodzy Consulting, Shared Spectrum.

Regional Reports – A report on activities in ITU Region 1 was presented by Mr. David Renaudeau, representing Thales. Update reports from Regions 1 and 3 were not available, and so Mr. Oberlies indicated that these would be loaded to the drop box at a later time.

Committee Out Briefs – Out briefs were given on the outcomes of the Montreal meeting by the chairs of the Committee on Next Generation Radio Technology, the Committee on Advanced Wireless Networking and Infrastructure, the Coordinating Committee on International SCA Standards, the Roadmap Committee, the User Requirements Committee, and the Regulatory Committee.

Member Opportunities Presented – Mr. Lee Pucker, CEO of the Wireless Innovation Forum, presented member opportunities for the next quarter.

Other New Business – Mr. Oberlies called for other new business, and Mr. Fred Frantz, representing L3 Communications, then presented the NIST Request for Comment on R&D Priorities for the National Public Safety Broadband Wireless Network. Mr. Frantz sought guidance on how to move forward, and the sense of the members was to form an Ad-Hoc Committee, led by Mr. Frantz, to respond. Mr. Frantz agreed to call a meeting to define a work plan for moving this forward, and Mr. Oberlies indicated that Fast Track approval would be required.

Close of the 70th General Meeting – Following the discussion on the NIST Request for Comment, Mr. Oberlies called for any other new business. Hearing none, Mr. John Fitton, representing Harris, moved that the meeting close, and Mr. Rafael Aguado, representing Indra, seconded this motion. Mr. Oberlies adjourned the meeting at 17:00 hours.