



Minutes of the 77th General Meeting of the Wireless Innovation Forum 4 to 6 November 2014

The 77th General Meeting of The Wireless Innovation Forum (SDR Forum version 2.0) was held 4 to 6 November, 2014 in Rome in conjunction with WinnComm Europe 2014. This document provides the minutes of that meeting.

The agenda for this meeting can be found at:
<http://groups.winnforum.org/2014-europe-tem-agenda>

The drop box for this meeting can be found at:
<http://groups.winnforum.org/p/do/si/topic=762>

The drop box is accessible to Forum members only.

Opening Plenary: Tuesday, 4 March 2014

The meeting was called to order at 08:00 PM by the Chair of the Forum, Mr. Bruce Oberlies. Meeting announcements were made, and following this the agenda for the 77th General Meeting was reviewed and adjustments were made based on feedback received. One document was then introduced to be balloted at the Forum level at the Closing plenary:

- WINNF-14-P-0001-V0.6.0 Dynamic Spectrum Sharing Annual Report

The meeting was recessed at 9:00 AM.

Key Accomplishments in Rome

The following defines the key decisions and milestones achieved in Rome, organized by committee.

Spectrum Innovation Committee Project Meetings

A summary of the project ongoing within this committee can be found here:
http://groups.winnforum.org/spectrum_innovation_committee



Spectrum Innovation Committee Steering Group

The Steering Group met on 3 November, in advance of the General Meeting. Items covered in the meeting included:

- Next steps in the formation of a multi-stakeholder group for spectrum sharing in the 3.55 GHz CBRS band. A steering group has formed for this new committee, co-chaired by Google and Federated Wireless, with a formation meeting being planned in early December 2014.
- The Forum's response to the "Government Parties Seek Collaboration with Industry on Research and Development (R&D) to Advance Better Use of Electromagnetic Spectrum". Work on this item was assigned to the Cognitive Radio Work Group, with filing planned for 7 November 2014.
- Forum response to FCC TVWS 600 MHz FNPRM. Forum staff was directed to issue a call for participation in an ad-hoc committee to draft the Forum response.
- Forum response to the FCC 24 GHz NoI. Forum staff was directed to issue a call for participation in an ad-hoc committee to draft the Forum response.

Context Aware Cognitive Radio Project

James Neel, representing Cognitive Radio Technologies, led a meeting of the Cognitive Radio Work Group. The focus of this meeting was to draft the Forum's response to the DoD Solicitation mentioned above. The proposal was finalized and circulated to the Board of Directors for approval prior to filing with the government.

Other Meetings

A meeting was also held by the public safety special interest group, led by Daniel Devasirvatham of Idaho National Labs, advancing their project on "Elements of Context for Cognitive Radio Based Public Safety Communications Systems" and by the Receiver Performance Guidelines Project Group, led by Bruce Oberlies of Motorola Solutions.

Coordinating Committee on International SCA Standards (CCSCA) Project Meetings

A summary of the projects ongoing in this committee can be found here:

http://groups.winnforum.org/SCA_Committee

Brainstorming on Possible Future Topics

The Steering Group held an open committee meeting to discuss future roadmap projects. The consensus of the group was that SCA 4.1 elaboration agenda should proceed with no new topics to be coined in the short term within WinnF. Beyond that, 4 main topics were raised for consideration:

- IRSS API



- Transceiver API
 - Aeroflex, NordiaSoft and Thales indicated their intention to submit a project proposal for consideration in mid-January
- Timing Service
- Portability Recommendations

The Steering Group agreed to convey these topics for discussion at the Advisory Council Meeting on 7 November. The group agreed to hold similar sessions on a quarterly basis.

Business Models for New Entrants in the SDR Tactical Radio Market Project

David Renaudeau, representing Thales, led a meeting of the International Tactical Radio Special Interest Group Meeting to advance their project to update and complement the previous report on “Business Models for New Entrants in the SDR Tactical Radio Market” issued in March 2013 (WINNF-13-P-0001). This update will define the market evolution in the last two years, emphasizing that SDR is a reality in the tactical communications market, and providing a market report on the SDR Ecosystem. The report will also look to extend into other domains, including the airborne and tactical data link domains, and will work to feed the business model chapters with additional examples and testimonials. The way forward on this report was defined, with an objective of report completion for the next US conference.

State of the Art in Waveform Portability Project

SCA Implementers Work Group, led by Alberto Quintana representing Indra, met to advance the state of the art in waveform portability project. This project is for Waveform developers, radio platform manufacturers and radio system integrators who need to reduce the cost, effort and time needed to perform the porting of waveforms among different processing architectures (i.e: DSP, FPGA, GPP). The "State of the art review of waveform application portability (2012)" will be a report that will identify the latest developments and trends in the field of waveform portability in SCA based standards and will provide a common understanding of the main challenges involved in application portability using SCA based architectures. Unlike other existing documents which are based on a specific architecture support and offer a limited view of the portability problem without taking into account the overall needs of the waveform development (i.e. architecture-centric approach), this report will provide a consolidated view of the waveform portability problem in SCA based architectures and will set the common ground needed to provide an updated set of recommendations for developing waveforms independently of the underlying architectural framework, resulting in an easily portable source code.

During the meeting, Alberto provided a status update, and the group defined steps needed to finalize the project by the next US conference.

SCA Test Lab

The SCA Test and Evaluation Group, led by James Ezick of Reservoir Labs, reviewed the status and progress on the current SCA Test Lab document. The purpose of this project is to develop a report that provides an overview understanding of an SCA Test Lab, and sets out



to identify artifacts that are the inner workings for a SCA Test Lab's existence. The report will identify the business case as it pertains to the financial concerns as a business entity.”

During the meeting, the group reviewed the state and organization of the document (on portal) and discussed ideas for additional concepts to be addressed. The group then discussed plans for completing the document by the end of 2104. A follow-up session was also discussed in for the US Conference.

Closing Plenary – Thursday, 6 Nov 2014

The meeting was recalled to order at 15:30 hours by Bruce Oberlies. A check of the role indicated that a quorum was present.

Approval of the minutes of the 77th General Meeting. Eric Christensen, representing SPAWAR, moved to waive reading and approve the minutes of the 77th general meeting. James Neel, representing Cognitive Radio Technologies, seconded. Mr. Oberlies called for discussion and hearing none, called the question. The minutes were approved unanimously.

Approval of WINNF-14-P-0001-V0.6.0 Dynamic Spectrum Sharing Annual Report. Claude Belisle, representing NordiaSoft, moved that the report be approved at the plenary level. James Neel seconded. Mr. Oberlies called for discussion and hearing none, called the question. The report was approved unanimously. A request was made from the floor that a presentation of this report be added to the conference agenda as a plenary presentation. Lee Pucker agreed to convey this information to the program committee.

Committee Out Briefs. Out briefs were given on the outcomes of the Rome meeting

Other Business.

- Eric Christensen requested that the Forum ensure that detailed agendas are published for each work group session at the next general meeting. Mr. Oberlies agreed to this request.
- Jean-Philippe Delahaye, representing DGA, requested that the Forum create a compliance work group. Bruce Oberlies delegated this to the CCSCA. Lee Pucker agreed to follow up on details of this request, and Claude Belisle agreed to help with formation.

Close of the 77th General Meeting – Eric Nicollet representing Thales moved that the meeting adjourn, and R. Muralidharan seconded. Mr. Oberlies adjourned the meeting at 16:37.