Annual Report

for the Years Ending
31 December 2008 and 30 June 2009
Established in 1996, the SDR Forum™ is a non-profit international industry association dedicated to promoting the success of next generation radio technologies. The Forum’s 100-strong membership comprises world class technical, business and government organizations from EMEA, Asia and the Americas who are passionate about creating a revolution in wireless communications based on reconfigurable radio. Forum members span commercial, defense and civil government organizations at all levels of the wireless value chain including service providers, operators, manufacturers, developers, regulatory agencies, and academia. SDR Forum is the only organization in the world dedicated to serving the industry’s needs through advocacy, opportunity development, commercialization and education.

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The SDR Forum

18631 N 19th Avenue
Suite 158-436
Phoenix, AZ 85027-5800
USA

Phone +1 602-843-1634
Fax +1 303-374-5403

Lee Pucker, CEO
lee.pucker@SDRForum.org
(604) 828-9846

Allan Margulies, COO
asm@SDRForum.org
(602) 843-1634
As we approach the end of 2009, I am struck by what the SDR Forum has accomplished in the midst of the most significant global economic crisis of our lifetimes. The members and stakeholders of the Forum have demonstrated how valuable it is to them in the most direct way possible. In a time of strictly limited budgets, the continued participation of members in Forum meetings, steady attendance at events, and the success of exciting new initiatives in Europe and China shows the importance of the Forum’s work for the radiocommunications community.

The contributions of the SDR Forum in commercial, public safety, and defense sectors are apparent in the many publications and submissions described throughout this report. New groups have formed in areas including test and measurement systems, satellite communications, and secondary spectrum access. In addition to ongoing general meetings and focused technical workshops on topics such as TV White Space and Intelligent Transportation Systems, the Forum organized several major and highly successful events. The SDR08 Technical Conference and Product Exposition held in Washington, DC in December 2008 broke all previous records for attendance and technical program strength. The inaugural European Reconfigurable Radios Workshop held in Madrid in April 2009 brought a number of new participants to their first SDRF event and paved the way for a much larger event in June 2010. For the defense radio community, a weeklong joint meeting between the Forum and the US Joint Tactical Radio System Science and Technology Forum in January 2009 provided valuable opportunities for information exchange, particularly for the international tactical radio community.

This has also been a time of significant organizational development within the SDRF. The Forum’s CEO has collaborated with the staff and the Board of Directors to substantially improve the legal, procedural, and structural basis that underlies the Forum’s work. This effort culminated in a major review of the Forum’s strategy and organization carried out over the spring and summer of 2009, with results being considered by the Forum’s membership for approval before the end of the year.

The Forum would not have accomplished any of what is described in this Annual Report without significant contributions of time and resources from its member organizations and volunteer participants, the technical and business expertise of its contributors, and the dedicated work of the staff. On behalf of the Forum’s leadership, I express our deep appreciation for everything you have done this past year, and we look forward to continuing into 2010 and beyond.

John Chapin
Chair of the SDR Forum
2008-09 Membership

The membership of the SDR Forum consists of commercial, defense, and civil government organizations including wireless service providers, network operators, component and equipment manufacturers, hardware and software developers, regulatory agencies, and academia. Individual representatives from these organizations include decision makers, planners, policy makers, technologists, educators, and program/product managers. Presently numbering more than 108, the SDR Forum’s membership spans Asia-Pacific, Europe, and North America.
Current Members Include:

Adapt4, LLC
Aeronix, Inc
Aerospace Corporation
Agilent Technologies
Air Force Research Laboratory
Anritsu Company
Aselsan, A.S.
ASRC Aerospace Corporation
Astrium, Ltd.
AT&T Labs
Bharat Electronics Limited
Boeing
Booz Allen Hamilton
C-DAC - Centre for Development of Advanced Computing
Cinterion Wireless Modules
Cognitive Radio Technologies, LLC
Communications Research Centre Canada
CTVR
Datasoft Corporation
Datron World Communications Inc.
DEAL-DRO (Defence Electronics Applications Laboratory)
Defense Group, Inc. (DGI)
Diversified Technology, Inc.
DRS Signal Solutions
DSO National Laboratories
EF Johnson
EID
Elbit Systems Land and C4I – Tadiran
Elektrobit Wireless Communications, Ltd.
ENSTA
Etherstack
ETRI Korea
FMV, Swedish Defence Materiel Organization
Fraunhofer
GateHouse
GE Fanuc
General Dynamics C4 Systems
Hanyang University
Harris Corporation
Hitachi Kokusai Electric, Inc.
Hitachi Ltd.
Huawei Technologies Co., Ltd.
Hypres, Inc.
IDA (Institute for Defense Analyses)
IMEC
Indra Sistemas
Innovative Concepts
Innovative Integration
Institute for Infocomm Research
ISR Technologies
ITT Communications Systems
Kolodzy Consulting
Konkuk University
L-3 Communications
Lockheed Martin
Mathworks, The
Mercury Computer Systems, Inc.
MIT Lincoln Laboratory
MITRE Corp.
Motorola
NASA Glenn Research Center
National Institute of Information and Communications Technology (NICT)
National Public Safety Telecommunications Council (NPSTC)
Navsys Corporation
NEC Corporation
Oak Ridge National Lab
Objective Interface Systems, Inc.
Omniphase Research
Pentek, Inc.
PrismTech
Radmor SA
Raytheon
Reservoir Labs
Rockwell Collins
Rohde & Schwarz
Royal Institute of Technology (KTH)
Sandbridge Technologies
SCA Technica, Inc
Selex Communications
Shared Spectrum Company
Sigmatix, Inc.
Southwest Research Institute
Space Coast Communications Systems, Inc.
SPAWAR Systems Center
Spectrum Signal Processing by Vecima
ST Microelectronics
Stevens Institute of Technology
Synopsys
Tata Power SED
TDK Corporation
Telefunken RACOMS
Thales Communications SA
TNO
Tubitak Uekae
Tyco Electronics
UAE Center of Excellence
Ultra Electronics-TCS
Universitaet Karlsruhe
Universitat Politècnica de Catalunya
University of California San Diego
University of Oulu
Vanu, Inc.
ViaSat, Inc.
Viettel Technologies
Virginia Tech
VISTology, Inc.
Xenotran Corporation
Xilinx, Inc.
Yokohama National University
ZTE Corporation
The Organizational Structure of The SDR Forum as of 30 June 2009 is presented in the figure below. The Forum is organized around three primary committees, whose responsibilities are summarized as follows:

- **The Markets Committee**: Defines domain specific requirements, use cases and business models that will drive the activities of the Regulatory and Technical committees. The Markets Committee also has responsibility for supporting member organizations in identifying new opportunities and developing new markets for reconfigurable radio products and services.

- **The Regulatory Committee**: Works with the regulatory and public policy community to establish a global regulatory framework promoting the adoption of reconfigurable radio technologies. The work of the Regulatory Committee is facilitated by a Regulatory Advisory Committee made up of regulators from around the world working on issues relevant to reconfigurable radio technologies.

- **The Technical Committee**: Produces technical documents defining the “state of the art” in reconfigurable radio technologies, and facilitating standards, certification and demonstration projects that will reduce the costs (development, production, operations) and time to market/time for deployment of reconfigurable radio technologies.

In January 2009 the SDR Forum changed its fiscal year to begin on July 1st of each year. This change was approved by the SDR Forum Board of Directors on 9 September 2008, and was made to improve SDR Forum efficiency by better aligning the Forum’s operations and planning cycles. Under this new schedule, Fiscal Year (FY) 2009 was a “stub year”, beginning on January 1st 2009 and running to June 30th 2009. Key deliverables for FY2008 and FY2009 from each element of the organization are provided in sections that follow:
Collaboration on Reports, Recommendations and Specifications

A primary purpose of the organization is to facilitate collaboration between members and the broader community to promote the advancement of software defined and cognitive radio technologies. To support this objective, The SDR Forum held four General Meetings in fiscal year 2008 and three in fiscal year 2009. These meetings are the face-to-face working meetings of the SDR Forum membership, providing them a venue to explore the reconfigurable radio market and to advance the SDR Forum’s work plan in support of the commercial, public safety, and international tactical radio communities. Each general meeting also includes a one day workshop exploring a specific topic relevant in the members in supporting the organizations objectives. The general meetings held in 2008 and 2009, with their associated workshops, are as follows:

- 57th General Meeting, January 14 to 17, 2008 in Tampa, Florida
  - Workshop on Frequency Agile RF Technologies

- 58th General Meeting, April 14 to 17, 2008 in Rome, Italy
  - Workshop on SCA Test, Evaluation and Certification

- 59th General Meeting, June 16 to 19, 2008 in Portland, Oregon
  - Workshop on TV White Space Communications

- 60th General Meeting, September 8 to 11, 2008 in Boston, Massachusetts
  - Workshop on Government and Industry R&D Agendas for Next Generation Radio Technologies

- 61st General Meeting, January 26 to 29, 2009 in San Diego, California
  - Collocated with the JTRS Science and Technology Forum

- 62nd General Meeting, April 20 to 24, 2009 in Madrid, Spain
  - Workshop on Reconfigurable Radio Technologies

- 63rd General Meeting, June 16 to 19, 2009 in Dearborn, Michigan
  - Workshop on Spectral Sharing in TV White Space Communications
  - Workshop on Smart Communications in Transportation Systems

In addition to these meetings, the SDR Forum also provides teleconferencing and web conferencing services to facilitate collaboration between meetings, and in May of 2008 contracted with Socious, Inc. to provide a group portal supporting file libraries, document management and discussion forums.

Through these services, the members of the SDR Forum balloted and approved the following work products in FY2008:

- “Cognitive Radio Definitions and Nomenclature” (Document SDRF-06-P-0009-V0.6.0) – This report identifies many different aspects of cognitive radio, and places them into a coherent framework.
- “PIM and PSM for Smart Antenna Specification” (Document SDRF-07-S-0016-V1.0.0) – This
specification was jointly developed with the Object Management Group and is intended to facilitate the formation of an ecosystem of vendors supporting a unified architecture for smart antenna technologies, providing telecommunications equipment manufacturers, radio vendors and network operators in multiple segments of the market with a cost effective tool for optimizing signal quality, capacity and coverage.

• “Working Document Towards a Preliminary Draft New Report on Cognitive Radio in Land Mobile Service” (Document SDRF-08-R-0001-V1.0.0) – This recommendation provides formal input to the International Telecommunication Union Radiocommunications sector (ITU-R) on behalf of the members of the SDR Forum on QUESTION ITU-R 241-1/8 “Cognitive radio systems in the mobile service”. The recommendation lays the groundwork for regulatory organizations to understand the benefits and system design choices associated with cognitive radio technologies, and heavily reference the cognitive radio and nomenclature document.

• “Utilization of Software Defined Radio (SDR) Technology for the 700 MHz Public/Private Partnership” (Document SDRF-08-P-0004-V1.0.0) – This report was written for the U.S. Federal Communications Commission (FCC) in response to their Second Report and Order (FCC 07-132, released 10 August 2007) as part of the rules for the auction of spectrum in the 700 MHz band, specifically for the 10 MHz of spectrum known as the D-Block. It describes how software defined radio (SDR), cognitive Radio (CR) and Dynamic Spectrum Access (DSA) technologies can help achieve the public/private partnership goals of the national broadband network planned for the 700 MHz frequency band. The report was referenced in “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” (Document SDRF-08-R-0005-V1.0.0) which was submitted to the FCC in June of 2008.

• “Endorsement of JTRS SCA 2.2.2” (Document SDRF-08-R-0006-V1.0.0) – Through this recommendation, the member organizations of The SDR Forum endorsed the JTRS SCA 2.2.2, without the extension, as a software architecture for software defined radios. The endorsement is non-exclusive and the SDR Forum may endorse additional architectures for application areas where the SCA 2.2.2 is not an ideal match.

In addition, the members of the SDR Forum balloted and approved these work products in FY2009:

• “PIM and PSM for Smart Antenna Specification” (Document SDRF-07-S-0016-V2.0.0) – This revised specification was jointly developed with the Object Management Group and is intended to facilitate the formation of an ecosystem of vendors supporting a unified architecture for smart antenna technologies, providing telecommunications equipment manufacturers, radio vendors and network operators in multiple segments of the market with a cost effective tool for optimizing signal quality, capacity and coverage.

• “Public Safety Radio System Cost Model” (Document SDRF-09-P-0001-V1.0.0) – This study was also performed by the Public Safety Special Interest Group for the public safety community, with specific focus towards those who plan, procure, and use public safety radio systems who wish to assess life cycle cost versus benefit tradeoffs of incorporating new SDR and CR technologies into existing or future public safety radio systems. The final report, database, and spreadsheet tools that are developed as a part of this study describe and implement a framework for modelling life cycle costs for a complete public safety radio system to enable “what if” cost assessments comparing solutions with versus without incorporating new SDR and/or CR technologies.

• “Test and Certification Guide for SDRs based on SCA Part 1: SCA” (Document SDRF-08-P-0007-V1.0.0) – This third report under development by the SCA Work Group analyzes the paradigms and prerequisites inherent in the SCA and proposes the process to certify SCA compliance. This document was produced for procurement authorities other than JPEO as well as producers of radios, radio components and tools, who are active in markets where the standardised SCA is
relevant and who need guidance how to establish test and certification facilities and how to develop and implement procedures for their efficient operation.

• “Transceiver Facility Specification” (Document SDRF-08-S-0008-V1.0.0) – This specification was developed by the Transceiver System Interface Task Group (TSI-TG) and captures the information needed for interoperability between waveform applications and transceiver subsystems, expressed as generic and abstract requirements for properties and programming interfaces, including the associated real-time issues. The specification is for radio system integrators, waveform providers, SDR platform providers and radio head manufacturers, who seek increased efficiency when integrating waveform applications with target platforms (incl. radio heads), and who seek increased portability for their waveform applications.

• “Use Cases for Modeling Languages for Mobility in Modern Wireless Networks” (Document SDRF-08-P-0009-V1.0.0) – This specification was developed by the Modeling Language for Mobility Work Group for developers of next generation communication systems who want to create flexible and efficient communication protocols between advanced radio systems to support next generation features of vertical and horizontal mobility, spectrum awareness and dynamic spectrum adaption, waveform optimization, capabilities, feature exchanges, and advanced applications. The final report includes use cases, corresponding signalling plan, requirements and technical analysis of the information exchanges that enable these next generation features and are intended to lead to specifications/standards for languages and data exchange structures to support these capabilities.

Members also collaborated on the development of a number of other work products that are expected to be balloted in FY2010:

• “Use Cases for Cognitive Radio Technology in Public Safety Systems Part 2: Chemical Plant Scenario” – This document is being developed by the SDR Forum Public Safety Special Interest Group and lays the groundwork for regulatory changes, policy and procedure changes, and technology research, development, test & evaluation to evolve and exploit CR technology. This document is being produced for public safety community leadership, researchers, and product developers who need to understand how cognitive radio technologies can be effectively used by public safety users.

• “Issues in the International Tactical Radio Market Domain” – This study is being performed by the International Tactical Radio Special Interest Group and identifies the trends and issues associated with the introduction and usage of SDR technologies in the international tactical radio market. The report is being prepared for tactical radio customers, primes, contractors and suppliers worldwide who need to understand the industry trends and barriers to achieving success using SDR concepts and technologies.

• “SDR Forum Report on Test Guidelines and Requirements for Secondary Spectrum Access of Unused TV Spectrum, also referred to as TV White Space” – This report is being developed by the Secondary Spectrum Access Testing Task Group and defines the usage models and test requirements for personal portable devices in that spectrum and the overlaying spectrum availability. The goal of this document is to provide a basis for test and certification for radio manufacturers and regulators who need to understand the usage scenarios and test requirements for devices that can dynamically access unused spectrum in the TV bands through the use of cognitive techniques.

• “SDR Forum Report on Programmable Baseband Processing Technologies” – This report is being developed by the Commercial Baseband Processing Technologies Work Group for Handset Manufacturers, Infrastructure Manufacturers and Operators needing a clear understanding of available programmable baseband processing technologies in order to define their own roadmaps and adoption of SDR technologies. The report will provide an overview of technologies and tools available for programmable and reconfigurable baseband solutions, educating
them on what is possible, and facilitating the incorporation of SDR technologies in commercial products.

- "Modeling Languages for Mobility" – This specification is being developed by the Modeling Language for Mobility Work Group for developers of next generation communication systems who want to create flexible and efficient communication protocols between advanced radio systems to support next generation features of vertical and horizontal mobility, spectrum awareness and dynamic spectrum adaptation, waveform optimization, capabilities, feature exchanges, and advanced applications. The final report will include use cases, corresponding signalling plan, requirements and technical analysis of the information exchanges that enable these next generation features and is intended to lead to specifications/standards for languages and data exchange structures to support these capabilities.

- "Software Communications Architecture Interpretation Guide" – This report is being prepared by the SCA Work Group for the participants in the international software defined radio community where the SCA and SCA derivatives are relevant and who need clarity on the SCA to harmonize the development of embedded system software in order to lower development and maintenance cost as well as time to market.

- "SCA WG API Implementers Aids" – This report is also being developed by the SCA Work Group to give SCA radio and software developers an “Implementers Guide” providing a common interpretation of published SCA APIs along with hints and examples on their implementation, and filling in additional API specifications as necessary.

- "Security Profiles for Public Safety Radios" – This report is being prepared by the Security Work Group to provide a security concept of operations (CONOPS) for public safety SDR and produce a security profile for public safety SDR based on the document "Securing Software Reconfigurable Communications Devices" which was completed in 2008. This specification is being created for designers, developers and manufacturers of Public Safety SDR Devices who need guidance on the process that should be followed to determine which of the security services would be appropriate and give range of sample analyses.

- "Test and Measurement of Unique Features for Software-Defined/Cognitive Radios" – this report is being prepared by the Test and Measurement Task Group and identifies the unique test challenges created by systems with SDR/CR features. The report is being developed for equipment manufacturers, test & measurement vendors, test & evaluation departments, certification authorities and end-users dealing with radio systems supporting SDR/CR features who have to deal with SDR/CR technology-driven features such as dynamic waveform activation, opportunistic scheduling, and policy based operation; features that are not seen in traditional dedicated functionality radio systems.

- "Transceiver Facility Specification – Version 2.0" (Document SDRF-08-S-0008-V1.0.0) – This revised specification is being developed by the Transceiver System Interface Task Group (TSI-TG) and captures the information needed for interoperability between waveform applications and transceiver subsystems, expressed as generic and abstract requirements for properties and programming interfaces, including the associated real-time issues. The specification is being prepared for radio system integrators, waveform providers, SDR platform providers and radio head manufacturers, who seek increased efficiency when integrating waveform applications with target platforms (incl. radio heads), and who seek increased portability for their waveform applications.
Technical Conference

The SDR Forum held its annual technical conference and product exposition October 26th to 30th 2008 at the Hyatt regency in Crystal City, Virginia. This event acts as the primary vehicle for the organization to fulfill its education mandate, and featured more than 130 papers focusing on software defined and cognitive radio technologies, standards, regulatory issues and business activities - presented by an international array of researchers and organizations in the commercial, civil and defense communications markets to attendees from over 27 countries. The event provides an international perspective on the current state of the art for advanced wireless communications and included keynotes, workshops, panels, tutorials and product demonstrations from over 38 exhibitors.

The SDR Forum is scheduled to hold its next annual technical conference and product exposition December 1 to 4, 2009 at the Hyatt regency in Crystal City, Virginia. In FY2009, the SDR Forum issued the call for papers, tutorials, demonstrations and workshops for this event, and began soliciting for sponsors and exhibitors.

Smart Radio Challenge

SDR Forum’s Smart Radio Challenge is a worldwide competition in which student engineering teams design, develop and test software defined radio (SDR) or cognitive radio technologies that address relevant problems in the advanced wireless market. The goal of this challenge is to foster interaction between industry and academia and to expose students to the type of real-world problems they will face upon graduation. Solutions presented by student teams are evaluated by a panel of industry judges and, based on the results, one time scholarships are awarded to teams from sponsor donations.

The six qualifying teams for the 2008 Smart Challenge addressed one of three defined problems, which they tested and demonstrated the day before the SDR08 Conference. Problem 1 involved extending the range of a wireless network, problem 2 addressed mapping frequencies and locations of RF emitters, and problem 3 was preparing a Rapid Waveform Development. In October of 2008, The SDR Forum announced the winners of the 2nd annual Smart Radio Challenge. Carnegie Mellon University took home three awards: Best Design, Problem 2, and Overall Winner. The team’s awards totaled $7,000 in scholarship money, two plaques and a trophy. One of two qualifying teams from Penn State took home the award for best paper ($1,000 in scholarship money and a plaque), the Virginia Tech team earned the award for Problem 1 ($2,000 in scholarship money and a trophy), and University of Calgary got the win for Problem 3 ($2,000 in scholarship money and a trophy).

In 2009, the SDR Forum announced the 3rd Smart Radio Challenge. Proposals were received from
teams from seven teams who qualified to advance in the competition: Notre Dame, Penn State, Tokyo Institute of Technology, the University of Calgary, The Stevens Institute of Technology, Virginia Tech and Worcester Polytechnic Institute. Sponsorships were also secured, the proceeds of which will be used to promote the event and to provide scholarships to the winning teams in FY2010.

**SDR Forum Awards**

Each year, the SDR Forum presents awards in two categories:

- The SDR Forum Industry Achievement Award - This award is presented to an individual, or group of individuals, who have made a significant contribution to the development, furtherance and/or acceptance of software radio technology.

- The SDR Forum Contributor Award - This Award is presented to individuals in recognition of their sustained outstanding contributions in support of the SDR Forum and its activities.

In 2008, Christian Serra, Chief Engineer - Advanced Studies and Standards for Thales Communications in France, was awarded the SDR Forum Contributor Award, and Professor Dale Hatfield, independent consultant and adjunct professor in the Interdisciplinary Telecommunications Program at the University of Colorado-Boulder was awarded the SDR Forum Industry Achievement Award.

**Other Member Services**

The SDR Forum manages a number of other smaller programs for its members that are collectively referred to as “other member services”. These include the following:

- Linked-In Group – The SDR Forum manages a members-only Linked-In group to facilitate networking among representatives of its member organizations.

- Member Discounts – The SDR Forum negotiates discounts for its members for relevant market studies, events and other items. In 2009, the SDR Forum secured discounts as follows:
  - 50% discount for SDR Forum members interested in purchasing Frost and Sullivan’s report “U.S. Military Software Defined Radio Markets”
  - 30% discount for SDR Forum members interested in purchasing a 12 months subscription to Frost and Sullivan’s complete library of Aerospace and Defense studies
  - £100 discount on registration for SDR Forum member representatives attending “Mobile Deployable Communications”, held 28 and 29 January 2009 in Rome
  - 20% discount on registration for SDR Forum member representatives attending IDGA’s 7th Annual Software Radio Summit, held February 23 to 26, 2009 in Vienna, Virginia
  - 20% discount on registration for SDR Forum member representatives attending “Military and Aerospace Electronics Forum” held March 11 to 12, 2009 in San Diego, California
  - 15% on the course fee for SDR Forum member representatives attending the Communications Research Centre Canada SCA Introduction Course and Rapid Application Development (RAD) Demonstration held February 17-19, 2009 in Rome, Italy
  - 15% Registration Discount on Registration for SDR Forum member representatives attending “Next Generation Networks Europe”, April 20 to 22, 2009 in Bath, UK
  - 15% Registration Discount on Registration for SDR Forum member representatives attending “NCW Europe 2009”, May 25 to 29, 2009 in Cologne, Germany
- £100 off normal delegate rate for SDR Forum member representatives attending SMi’s 9th annual International Software Radio conference held June 8 and 9, 2009 in London, UK
- 20% Registration Discount on Registration for SDR Forum member representatives attending “Taking Your Strategy to the Next Level - Navigating your Way to LTE” September 24 and 25, 2009 in London, England
- 20% Discount for SDR Forum member representatives interested in Listing in Open Systems Publishing’s Embedded Computing Resource Guide

- **Product and Services Directory** – This directory provides insight into products and services offered by SDR Forum member organizations to help individuals operating at all levels of the wireless value chain to quickly find partners that can help address their specific requirements. There is no cost for members to participate in this directory.

- **Resume Service** – The SDR Forum Resume Referral Service was established in FY2009 as a place where anyone with experience in the advanced wireless market seeking employment is permitted to submit a resume. Representatives from member organizations can review these resumes and if they have a matching opening available they can contact the applicant personally for further information or an interview.
Message from the Treasurer

I am pleased to present the audited financial report for the SDR Forum, indicating that the overall financial health of the organization continues to be strong. The SDR Forum’s Statement of Financial Position showed assets of $586,117 as of June 30, 2009.

Effective January 1, 2009, the SDR Forum changed the fiscal year period from January 1 through December 31, to July 1 through June 30. As such this report includes financial information for both fiscal year 2008 (12 month period ending December 31, 2008) and fiscal year 2009 (6 month period end June 30, 2009). Note that fiscal year 2010 will be a 12 month period beginning July 1, 2009 and ending June 30, 2010.

Fiscal year 2008 financial performance completed with a planned net loss of $99,246 in order to accommodate specific organizational and operational changes. Fiscal year 2009 financial performance completed slightly better than planned with a net income of $48,603, leveraging the organizational and operational changes initiated in fiscal year 2008.

The SDR Forum is a tax exempt organization under Section 510(c)(6) of the Internal Revenue Code and operates on a modified cash accounting basis in accordance with Statement of Financial Accounting Standard (SFAS) No 117, Financial Statements of Not-for-Profit Organizations.

I submit this report with the certainty that the SDR Forum continues to be a financially sound organization.

Mark Turner
SDR Forum Treasurer

Summary Statement of SDR Forum Assets, Liabilities, and Net Assets (Modified Cash Basis) for Years Ending 20 June 2009 and 31 December 2008

<table>
<thead>
<tr>
<th>Assets</th>
<th>30 June 2009 (6 months)</th>
<th>31 December 2008 (12 months)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Current Assets</td>
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<td></td>
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<tr>
<td>Cash and Cash Equivalents</td>
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<tr>
<td>Short Term Investments</td>
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<td>Total Current Assets</td>
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<td>Long Term Investments</td>
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<tr>
<td>Total Other Assets</td>
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</tr>
<tr>
<td>Total Assets</td>
<td>$586,117</td>
<td>$537,514</td>
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</table>

<table>
<thead>
<tr>
<th>Liabilities and Net Assets</th>
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<th></th>
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</thead>
<tbody>
<tr>
<td>Net Assets</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Unrestricted Net Assets</td>
<td>586,117</td>
<td>537,514</td>
</tr>
<tr>
<td>Total Net Assets</td>
<td>586,117</td>
<td>537,514</td>
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<tr>
<td>Total Liabilities and Net Assets</td>
<td>$586,117</td>
<td>$537,514</td>
</tr>
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</table>

1Summary statement is based on the report from the independent auditor, and should not be considered complete. Full audited financial statements, including notes, are available for review upon request. The Software Defined Radio Forum Inc.’s Form 990 filings with the US Internal Revenue Service are publically available at http://www2.guidestar.org.
Summary Statement of SDR Forum Revenues, Expenses, and Change in Net Assets (Modified Cash Basis) for Years Ending 30 June 2009 and 31 December 2008

<table>
<thead>
<tr>
<th>Unrestricted Net Assets</th>
<th>30 June 2009 (6 months)</th>
<th>31 December 2008 (12 months)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Revenue</td>
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<tr>
<td>Membership Fees</td>
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<td>Facility Fees</td>
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<td>394,768</td>
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<td>Program Fees</td>
<td>65,250</td>
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<tr>
<td>Interest and Other Revenue</td>
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<td>19,833</td>
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<tr>
<td>Total Revenue</td>
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<td>Program Expenses</td>
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<tr>
<td>Advertising</td>
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<tr>
<td>Facilities and Event Food</td>
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<td>319,455</td>
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<tr>
<td>Professional Fees</td>
<td>4,328</td>
<td>37,773</td>
</tr>
<tr>
<td>Legal</td>
<td>85</td>
<td>16,254</td>
</tr>
<tr>
<td>Other Program Expenses</td>
<td>15</td>
<td>12,835</td>
</tr>
<tr>
<td>Total Program Expenses</td>
<td>37,895</td>
<td>394,284</td>
</tr>
<tr>
<td>General and Administrative Expenses</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Payroll Expenses</td>
<td>230,199</td>
<td>173,158</td>
</tr>
<tr>
<td>Bank Charges</td>
<td>7,590</td>
<td>27,688</td>
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<tr>
<td>Consulting</td>
<td>-</td>
<td>220,827</td>
</tr>
<tr>
<td>Dues and Subscriptions</td>
<td>10,473</td>
<td>11,890</td>
</tr>
<tr>
<td>Insurance</td>
<td>2,552</td>
<td>6,975</td>
</tr>
<tr>
<td>Miscellaneous and Other Expenses</td>
<td>6,818</td>
<td>97,141</td>
</tr>
<tr>
<td>Office Management</td>
<td>8,316</td>
<td>18,923</td>
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<tr>
<td>Office Rent and Expense</td>
<td>12,902</td>
<td>22,390</td>
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<tr>
<td>Promotional Items</td>
<td>-</td>
<td>20,840</td>
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<tr>
<td>Public Relations</td>
<td>4,214</td>
<td>44,062</td>
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<tr>
<td>Telephone</td>
<td>5,966</td>
<td>9,172</td>
</tr>
<tr>
<td>Travel and Transportation</td>
<td>21,398</td>
<td>61,422</td>
</tr>
<tr>
<td>Website</td>
<td>9,251</td>
<td>21,321</td>
</tr>
<tr>
<td>Total General and Administrative Expenses</td>
<td>$319,679</td>
<td>735,809</td>
</tr>
</tbody>
</table>

Change in Net Assets

- 30 June 2009: 48,603
- 31 December 2008: (99,246)

Net Assets Beginning of the Period

- 30 June 2009: 537,514
- 31 December 2008: 636,760

Net Assets End of the Period

- 30 June 2009: $586,117
- 31 December 2008: $537,514

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*Summary statement is based on the report from the independent auditor, and should not be considered complete. Full audited financial statements, including notes, are available for review upon request. The Software Defined Radio Forum Inc.'s Form 990 filings with the US Internal Revenue Service are publically available at http://www2.guidestar.org*