SIP Forum 2016 Annual General Meeting

Richard Shockey, Chairman and AGM Chair
Marc Robins, President and Managing Director
Fiscal 2016
2016 Annual General Meeting Agenda

- Official business
  - Meeting operation setup
  - Financial review
  - Voting
  - Confirmation of Meeting Minutes
- Adjourn Formal Portion of Meeting
- Unofficial business
  - Review of 2016 Activities
  - A look forward for 2017
- The Board did not receive any reports of other issues to discuss from any Member

30 November 2016
Meeting Setup and Housekeeping

- Election of Meeting Chair
- Call Meeting to Order
- Minutes Taker: Marc Robins
- Minutes Checkers: Chris Wendt and Mary Barnes
- Proper notification of AGM
  - At least four weeks before AGM (02 November, 2016)
  - Official Notice made 01 November, 2016 to all Full Member representatives – Move for approval
- 2016fy Financial Review
### SIP Forum Consolidated Financial Results

#### Profit / loss

<table>
<thead>
<tr>
<th></th>
<th>06/30/16</th>
<th>06/30/15</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating income</td>
<td>$287,582</td>
<td>$290,497</td>
</tr>
<tr>
<td>Operating expenses</td>
<td>$(318,771)</td>
<td>$(346,063)</td>
</tr>
<tr>
<td>Operating profit/(loss)</td>
<td>$(31,189)</td>
<td>$(55,566)</td>
</tr>
<tr>
<td>Interest income</td>
<td>$-</td>
<td>$-</td>
</tr>
<tr>
<td>Net profit/(loss)</td>
<td>$(31,189)</td>
<td>$(55,566)</td>
</tr>
</tbody>
</table>

#### Balance Sheet

<table>
<thead>
<tr>
<th></th>
<th>06/30/16</th>
<th>06/30/15</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assets</td>
<td>$300,392</td>
<td>$328,992</td>
</tr>
<tr>
<td>Liabilities</td>
<td>$211,860</td>
<td>$209,270</td>
</tr>
<tr>
<td>Members equity</td>
<td>$88,532</td>
<td>$119,722</td>
</tr>
<tr>
<td>Total Liab &amp; Mem Eq</td>
<td>$300,392</td>
<td>$328,992</td>
</tr>
<tr>
<td>Cash</td>
<td>$222,076</td>
<td>$275,241</td>
</tr>
</tbody>
</table>
2016 AGM Voting and Election Agenda

- Establishing and Approval of the Voting List
- Voting Preliminaries
- List of Candidates for Open Director Seats
- Review of Voting Issues
- Running of Election
- Vote Results
Establishing and Approval of the Voting List

- Bandwidth.com
- Bell Canada
- Cisco Systems
- Comcast
- Cox Communications
- Deutsche Telekom
- Edgewater Networks
- Ericsson
- Huawei
- Oracle
- Sonus Networks
- Sorenson Communications
- Time Warner Cable
- Unify
- UNH-IOL
Voting Preliminaries

- Current active (i.e., paid-up) Full Member count: 15

- Bylaws Quorum Requirement:
  - 8 for normal business (>50%)
  - 10 to change bylaws (>75%) -- which has NOT been proposed

- 9 Proxies are in hand at beginning of the meeting
  - # Full Members present on WebEx and voting?
  - 9 >8; quorum is declared.
Director Candidates - 7 for 7 Open Seats

- Victor Pascual Avila – Oracle
- Mary Barnes – MLB@Realtime Communications
  - Current board member standing for re-election
- Martin Dolly – AT&T
- Andrew Hutton – Unify
  - Current board member standing for re-election
- Robert Kinder – Cox Communications
  - Current board member standing for re-election
- Gonzalo Salgueiro – Cisco Systems
  - Current board member standing for re-election
- Chris Wendt – Comcast
  - Current board member standing for re-election
2016 AGM Voting Issues

- **Issue 1: Voting For New Directors**
  - Maximum of 11 Directors in total, and 4 total Participant Member Directors (not affiliated with a Full Member company) allowed on board per current bylaws.
  - Since the seats occupied by three participant members (Mary Barnes, Alan Johnston and John Barnhill) are up for election, and the seats held by Richard Shockey and Gary Richenaker are non-participant board member seats, up to two Participant (Individual) Members can be elected in this election.

- **Issue 2: Discharge of Director Liability**
Running of Election, Tabulation of Votes

- Final Request for Ballots to be Cast
- Official Voting Deadline Reached
- Motion to Dispense with the Electronic Calculation of Votes as specified in SIP Forum Bylaws as the election is uncontested (i.e., 7 candidates for 7 available/open seats; and all candidates have received votes)
- Perform Manual Count of Voting Issue #2
Meeting will now pause briefly while the votes for Issue #2 are counted and verified.
2016 AGM Vote Results

1. Board Seats
   - Victor Pascual Avila
   - Mary Barnes
   - Martin Dolly
   - Andrew Hutton
   - Robert Kinder
   - Gonzalo Salgueiro
   - Chris Wendt

2. Discharge of Director Liability
   - 9 Yea, 0 Nay; 0 Abstention; Motion Approved.
Other Business of the SIP Forum AGM

- Next SIP Forum Chairman of the Board Election Committee deferred to next Board Meeting
- Ratify Official SIP Forum 2016 AGM Minutes
- Move to adjourn formal portion of the Annual General Meeting
SIP Forum: The Year in Review

Marc Robins
SIP Forum President and Managing Director

Richard Shockey
SIP Forum Chairman and AGM Chair

SIP Forum 2016 AGM

30 November 2016
Full Member Companies (as of 11-30-2016)
SIP Forum Academic/Institutional Members

Columbia University:

The Fu Foundation
School of Engineering & Applied Science

Fraunhofer
Institute for Open Communication Systems

ATM | TEXAS A&M UNIVERSITY

ILLINOIS INSTITUTE OF TECHNOLOGY

University of Glamorgan
because great minds don’t think alike

Georgetown UNIVERSITY est. 1789

Gradiant
SIP Forum Board of Directors

- Richard Shockey, Shockey Consulting and SIP Forum Chairman of the Board
- Victor Pascual Avila -- Oracle
- Mary Barnes, MLB@Realtime Communications
- Martin Dolly, AT&T
- Andrew Hutton, Unify
- Robert Kinder, Cox Communications
- Marc Robins, SIP Forum President and Managing Director
- Gary Richenaker, iconectiv
- Greg Rogers, Bandwidth.com
- Gonzalo Salgueiro, Cisco Systems
- Gernot Scheichl, Edgewater Networks
- Chris Wendt, Comcast
Membership Review

- Participant (Individual Membership) growing steadily, now over 17K
- LinkedIn SIP Forum Group now @4.5K and growing
- Full membership still challenging due to industry consolidation/attrition and industry trends
SIP Forum Current Active Task Groups and Initiatives

- SIPconnect Task Group
- SIPconnect Certification Testing [SC-IT] Task Group
- SIPconnect Certification Testing Program
- SIP Forum/ATIS NNI Task Force
- IPv6 Task Group
- SIPNOC “SIP Network Operator’s Conference”
- SIPit Interop Testing Event
2016 SIP Forum Milestones

- Launched SIPconnect Certification Testing Program, hosted by UNH-IOL
  - [http://www.sipforum.org/content/view/435/171/](http://www.sipforum.org/content/view/435/171/)
- SIP Forum BoD Just Ratified SIPconnect 2.0 Specification
- SIP over IPv6 Task Group Publishes “Interoperability Impacts of IPv6 Interworking with Existing IPv4 SIP Implementations” and the publication of RFC 7984 in the IETF
  - [http://www.sipforum.org/content/view/438/171/](http://www.sipforum.org/content/view/438/171/)
- SIP Forum/ATIS NNI Task Force Phase 2 work proceeding as scheduled; SHAKEN document near completion
  - [http://www.sipforum.org/content/view/439/312/](http://www.sipforum.org/content/view/439/312/)
- Held Successful SIPit 32 at UNH-IOL
- Held Successful SIPNOC 2016
  - [http://www.sipnoc.org](http://www.sipnoc.org)
SIPconnect Task Group

Task Group Chair: Spencer Dawkins
Chief Document Editors: Andrew Hutton, Unify and Gonzalo Salgueiro, Cisco Systems

- SIPconnect 2.0 Task Group has published a SIP Forum SIPconnect 2.0 Technical Recommendation that defines a common set of implementation rules for implementers who desire to interface an IP PBX with a SIP-enabled service provider. The recommendation(s) will specify which standards must be supported, provide precise guidance in the areas where the standards leave multiple options, supplement functionality gaps in existing protocols, and identify a baseline set of features that should be common to an IP PBX to service provider interface.

- International effort included participation from BITKOM and NICC (thanks to Andrew Hutton who is serving as the official SIP Forum representative) and EU-based service providers and equipment vendors.
SC-IT Task Group

- **Chair**: Robert Kinder, Cox Communications
- **Chief Document Editor**: James Swan, UNH-IOL
- Focuses on SIPconnect interoperability and certification testing
- TG Mission includes:
  - Demonstrate that SIPconnect is implementable
  - Accelerate vendor and service provider interoperability
  - Define what it means to be SIPconnect compliant
  - Help promote the benefit of SIPconnect in the marketplace
- **SC-IT Mailing List**:
Together with UNH-IOL:
- Developed a SIPconnect 1.1 Certification Test Plan
- Competed a SIPconnect Certification Test Platform
- Developed SIPconnect Certification Test Program
- Officially Launched Program February, 2016
- BroadSoft and Unify first to certify products; 6 more in the test queue
- Current Founding Sponsors include:
SIPconnect 1.1 Certification Testing
Program Details

- SIP Trunk Service Provider remote lab testing over the Internet.
- IP-PBX remote lab testing over the Internet.
  - Optionally may install equipment at UNH-IOL for on-site testing, too.
- SBCs can tested as part of a total solution (in association with IP-PBX and/or service provider offering)
- Founding Sponsor Program: Paid sponsorship to help fund the development and ongoing operation of the Program.
- Benefits include:
  - Exclusive $5,000 price for testing with 3-year term including continuous recognition of support.
    - Standard rate is $7,500 for SIP Forum Full Members for 2-year term.
    - Non-full member rate is $10,000 for 2-year term.
  - Priority Scheduling of Tests
  - Exclusive Promotional Activities
  - Can be renewed.
  - Contact Marc Robins at marc.robins@sipforum.org for more information.
Co-Chairs: Martin Dolly (AT&T), Chris Wendt (Comcast)

ATIS and the SIP Forum formed the Joint Task Force to fully specify an IP communications network-to-network interface (NNI) between North American service providers. The Joint Task Force will help enable the goal, identified in the United States National Broadband Plan, of ensuring all service interconnection between providers occur at the Internet Protocol (IP) level.

Objectives:
- Identify a baseline set of features that should be common to all IP-NNI implementations for voice service.
- Identify gaps or ambiguities in existing standards and request that those gaps be addressed by the responsible Standards Development Organization [SDO].

For more info: [http://www.sipforum.org/content/view/439/312/](http://www.sipforum.org/content/view/439/312/)
1. **IP NNI Profile**, describes a reference architecture and specifications for both the protocol and media as it appears “on-the-wire” at interconnect points: http://www.sipforum.org/component/option,com_docman/task,doc_download/gid,772/Itemid,261/


3. **Signature-based Handling of Asserted information using toKENs (SHAKEN)** is an industry framework for managing the deployment of Secure Telephone Identity (STI) technologies with the purpose of providing end-to-end cryptographic authentication and verification of the telephone identity and other information in an IP-based service provider voice network. http://www.sipforum.org/component/option,com_docman/task,doc_download/gid,833/Itemid,261/
The IETF STIR (Secure Telephone Identity Revisited) Working Group is developing a mechanism to allow phone numbers to be “signed” at the origin, and “verified” at the termination. ATIS and the SIP Forum have proposed enhancements to make this mechanism practical in the near-term by allowing service providers to perform the “validation” and “verification” on the user’s behalf. Approval at the IETF is expected this year, and will set the stage for the following additional steps:

- **SHAKEN**: A United States service provider profile for STIR will provide implementation guidelines and specify options within the protocol to ensure interoperability between all service providers. The ATIS/SIP Forum IP-NNI Task Force will complete this profile framework (SHAKEN). Additional enhancements to the profile will be developed in 2017.

- **Display Framework**: A framework is required to allow for the display of validated Caller ID information to end users in a consistent and secure format. The ATIS/SIP Forum IP-NNI Task Force is developing this framework, with the initial deliverable expected by early 2017.

- **Root Certificate Authority**: the signing and verification of calling party information is based on certificates issued by a recognized certificate authority. ATIS is working with the IP-NNI task force to specify the technical requirements and operational procedures for the SHAKEN Root CA.

- **Testbed**: ATIS is facilitating a testbed activity where they have developed a detailed test plan to validate the SHAKEN framework. This will verify the protocol and ensure interoperability between service providers. The STIR/SHAKEN Testbed is targeted to begin 4Q2016 and continue into 2017 and beyond.
Robocalling/ Spoofing Timeline in the United States

- **Mar 2013**: IETF Call to action by Prof. Schulzrinne, *FCC CTO*
- **Aug 2013**: *IETF STIR Charter Approved*
- **Aug 2015**: ATIS - SIP Forum SIP NNI - Task Re-focused on Robocalling/ Spoofing, SHAKEN Framework Work begins
- **Oct 2015**: ATIS ex-parte on ATIS work program
- **Mar 2016**: ATIS Provides Work program Update to FCC
- **July 2016**: FCC Reaches out to carriers & Randall Stephenson, AT&T CEO, agrees to Chair FCC Robocalling Strike Force

### Timeline

- **2012**: FTC Workshop on Robocalling and Caller ID Spoofing
- **2013**: IETF BOF in DC on Approaches to CLID Spoofing
- **2014**: ATIS - SIP Forum Task Force Tracks IETF STIR
- **2015**: FCC Workshop on Robocalling & Caller ID Spoofing
  - SIP NNI TF & IETF STIR “agree” on solution alignment
  - ATIS Whitepaper on CLID Spoofing
  - ATIS Analysis on CLID Spoofing Mitigation Techniques
- **2016**: Strike Force Kick-off Meeting

*Note: The timeline includes key events and milestones from 2012 to 2016, highlighting the efforts and developments in addressing robocalling and spoofing issues.*
The SIP Forum's SIP over IPv6 Task Group (IPv6) was formed to address key deployment and interoperability issues in the telecommunications industry’s migration to SIP over IPv6. The task group, which includes key stakeholders from the service provider, application developer and equipment communities, has developed and ratified a charter with the mandate to identify issues with SIP over IPv6 and assess the impact of transition technologies and dual stack devices on existing SIP networks.

Link to TG Charter: http://www.sipforum.org/content/view/398/286/
SIPNOC 2016 – “The SIP Network Operators Conference”

Three-day, technically-focused educational conference for service providers and network operators on how to “Make SIP Work Better in the Network”
SIPNOC 2016 Details

- 6th Annual SIPNOC event held June 21-23, 2016 at Hilton Dulles Hotel, Herndon, VA
- Developed specifically for the technical and operational staff of service providers, including network architects and engineers
- Educational content focused on addressing key deployment and operational issues involving SIP–based technology and services
- Included expanded training, including SIP Training Day and WebRTC and IMS Workshops
- Conference presentations vetted by expert Program Committee to ensure the highest-quality, technically-oriented agenda
- For more information: http://www.sipnoc.org
SIPNOC 2016 Topics

- Application Development Recommendations
- Network and Applications Testing Considerations and Tools
- SIP Trunking Interoperability Best Practices
- SIPconnect 2.0 Requirements
- FoIP/T.38 Interoperability
- WebRTC Sessions and Demos
- SIP Network Operations Center (NOC) Best Practices
- SIP Carrier-to-Carrier Interconnection
- QoS Maintenance
- IPv6 Deployment Challenges and Recommendations
- User-Agent Configuration Standardization Efforts
- Emergency Services Deployment
- Standardization Initiatives and the Evolution of SIP
- Policy Server Considerations
- Security Deployment Considerations and Best Practices
- Anatomy of a T-DOS Attack
- Operational Issues and Solutions
- SIP-Based Video Relay Service Interoperability
- Measurement, Monitoring and Troubleshooting
- HD-Voice and Video Deployment Challenges
Week-long engineering test events

- Once a year
- Rotates around the globe

Averages around 100 implementations

- 60 to 90 companies
- 16 to 20 countries
Interested in Joining the Groups?

1. Join the SIP Forum as a Participant Member at
   http://www.sipforum.org/component/option,com_advanced_registration/task,register/

2. Subscribe to the Task Group Mailing Lists to learn about scheduled meetings and get involved in the work and discussions:

   Visit the SIP Forum Mailing Group Webpage at:

   http://www.sipforum.org/content/view/41/165/
Plans for 2017

- SIPNOC 2017
- Proposed Robocall Summit
- Complete NNI TF Phase 2 Work:
  - STIR/SHAKEN Framework
  - Call Validation Display
  - Certificate Management (ACME)
- Promote SIPconnect 2.0 Specification and SIPconnect Certification Testing Program
- SIPit 33 in Q3/Q4
Thank You for Your Continued Support!

Richard Shockey, richard@shockey.com
Marc Robins, marc.robins@sipforum.org
Final Adjournment