

SIP Forum Overview

Richard Shockey

SIP Forum Chairman of the Board

Marc Robins

SIP Forum President and Managing Director

SIP Forum Background

- ❖ Founded in 2000 in Sweden
- ❖ Leading Non-Profit IP Communications Industry Association
- ❖ Membership ranks comprised of Corporate “Full Members” that pay annual dues and support the work of the Forum, Academic Institutions and Individual “Participant” Members (@8000)

SIPFORUM Full Member Companies

(as of 3-22-10)



SIP Forum Academic/Institutional Members

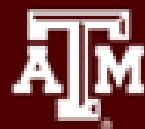
Columbia University:



The Fu Foundation
School of Engineering & Applied Science



Fraunhofer
Institute for Open
Communication Systems



TEXAS A&M
UNIVERSITY



University of Glamorgan

because great minds don't think alike



Goal: Find and Fix What Doesn't Work

- ❖ The principal interoperability event for SIP
- ❖ SIPit 26 will be hosted by Edvina and Tandberg May 17-21, 2010 in Kista, Sweden (suburb of Stockholm)
- ❖ Registration now open
 - <http://www.sipit.net>

SIPconnect

- ❖ The **SIPconnect Technical Recommendation** is profile of SIP that provides detailed rules and guidelines for achieving SIP Trunking between IP PBXs and SIP Service provider networks.
- ❖ Currently finishing SIPconnect 1.1



SIPconnect and MARTINI

- ❖ A principal issue identified by the Task Group was of how Implicit Registration worked.
 - Considerable Interoperability problems reported in the field
 - Implicit Registration is widely deployed.
- ❖ It was the conclusion of the TG that the issue had to be resolved in the IETF
- ❖ The industry needs a solution pretty quickly
 - IMHO Please support the gin draft!

Goals of the UA-Config Task Group

- ❖ Need to address simple bootstrap issues to create plug and play implementations
 - Phones with simple UI
 - Enterprise phones covered, but only basic configuration – full enterprise features outside scope
- ❖ Determine small set of essential parameters
 - Proprietary datasets can be downloaded to cover full enterprise features, for example
- ❖ SIP Forum will spin up PAN Registry effort ..need volunteers.

Goals of the Fax over IP Task Group

- ❖ Demand for fax and fax services remains high. Fax Over IP (FoIP) is gaining momentum in the industry, but a number of issues remain that seriously impact interoperability and reliability.
 - **Issue: G.711 Fax Reliability:**
 - Fax traffic is highly sensitive to packet loss.
 - **Issue: T.38 Fax Interoperability:**
 - Variations in the interpretation of the T.38 specification have lead to various interoperability challenges between vendors.
- ❖ If the initiative identifies concrete proposals that would require modifications to the underlying protocols, the Forum will forward these proposals to the appropriate groups in the IETF, or ITU-T.

Goals of the Smart Grid SIG

The Forum's Smart Grid SIG will also evaluate the appropriateness of SIP in the list of priorities identified by the Federal Energy Regulatory Commission (FERC) identified in the document "NIST Framework and Roadmap for Smart Grid Interoperability Standards Release 1.0 (Draft)" (September 2009).

Basic Question: Does the SmartGrid need a offer/answer protocol?

- ❖ **HAN (Home Area Network)** – Interface btween devices and the Customer Energy Management System (Customer EMS) and the Advanced Meter Interface (AMI)
- ❖ **Utility's Operational Network,**
 - a. **NAN (Neighborhood Area Network)** –
 - ❖ between HAN edge devices to collection points.
 - b. **Backhaul-Network** – responsible for transmission of the data between the collection points to the utility core network.
 - c. **Core Network** – includes the complete back-end utility subsystem comprising of head-end systems, Meter Data Management Systems (MDMs),), Multimedia communication for field-force, surveillance etc.
- ❖ **PEV (Plugin Electric Vehicle)** – between Vehicles and back-office control systems that manage charging, roaming, telemetry.
- ❖ SIP Forum may spin up student paper competition.

Issues

- ❖ Coordination between the SIP Forum Task Groups and the IETF WG has caused .."some confusion".
- ❖ What concrete steps can we take to work better together?
- ❖ What other areas should we be looking at?
- ❖ Open Session.

Links to More Information

- ❖ Membership Benefits:

<http://www.sipforum.org/content/view/266/234/>

- ❖ SIPits:

<http://www.sipit.net>

- ❖ SIPconnect:

<http://www.sipforum.org/content/view/273/227/>

- ❖ SIPconnect Compliant Program:

<http://www.sipforum.org/content/view/289/246/>

- ❖ FoIP Task Group:

<http://www.sipforum.org/content/view/310/252/>

- ❖ UA-Config Task Group:

<http://www.sipforum.org/content/view/311/253/>

- ❖ Smart Grid SIG:

<http://www.sipforum.org/content/view/351/266/>