



www.itexpo.com

SIP Forum

FoIP Interoperability Task Group

FAX-OVER-IP (FoIP) TASK GROUP

Background and Current Status

T.38 Interoperability

Speakers

- **MAX SCHROEDER**
—FaxCore
- **MIKE COFFEE**
—Commetrex

Today's Program

- Max -- background of the FAX-over-IP (FoIP) Interoperability Task Group
- Mike -- the current status of the Task Group Testing Program

The Beginning

- ITU Telecommunication Standardization Sector (ITU-T)
- T.30 protocol (published by the ITU in 1980)
- T.38 protocol (FoIP) approved and published in 1998 - Some input from the IETF
- Early days of general Internet usage

FoIP Interoperability Workshop

San Francisco, November 10, 2008

- SIP Forum 2008 Annual General Meeting on 18 September 2008
- Westin Bonaventure Hotel & Suites - Lobby Lounge
 - Dr. Eric Burger - Chairman of the Board, SIP Forum
 - Rich Shockey - Board of Directors
 - Marc Robins - SIP Forum Managing Director
 - Max Schroeder

FoIP Interoperability Workshop San Francisco, November 10, 2008

- Issue: G.711 Fax Reliability
- Issue: T.38 Fax Interoperability
- Topics of Interest
 - Interoperability failures seen in the field or lab
 - Reliability or quality issues seen in the field or lab
 - Deployment experiences

FoIP Interoperability Workshop

- Short Summary of Action Items
 - Publish problem statement
 - Definitions of successful fax transmission
 - Marketing Issues
 - Technical Issues

FoIP Task Group Timelines

- Problem Statement
 - Feb 2009 Strawman - Mike Oliszewski (FaxBack)
 - April -- Neil Weldon - chair for the FoIP Task Group
 - May – First Task Group Conference Call
 - July --1st Draft of problem statement completed
 - Aug -- SIP Forum announced Version 1.0 of the Fax-over-IP Interoperability Task Group Problem Statement

FoIP Task Group / i3 Forum

- I3 Forum
 - 37 telecommunications operators
 - Combined retail base in excess of one billion customers
 - In over 80 countries

FoIP Task Group / i3 Forum

- **Timelines:**

- Nov/Dec 2009 Richard Shockey initiates contact
- December 2009 first conference call
- January 2010 i3 Meeting in Rome
- June 2010 i3 Meeting in Warsaw
- September 2010 - SIP Forum and i3 Forum Launch Groundbreaking International Test Program for Fax over Internet Protocol

Task Group Information

- Task Group Co-Chairs
 - Mike Coffee – Commetrex – In attendance
 - Gonzalo Gasca -- Cisco Systems, Inc
 - Max Schroeder – Task Group Whip
- <http://www.sipforum.org>
- <http://www.sipforum.org/content/view/310/252/>

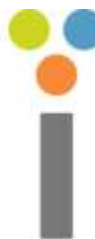
Mike Coffee

FAX-OVER-IP (FoIP) TASK GROUP

Background and Current Status

T.38 Interoperability Testing

SIPFORUM

i³ forum 

FoIP Deployment Phases

- Phase I: Intra-enterprise
- Phase II: SIP trunking
- Phase III: Tandem carrier networks

International Tandems

- SS-7 Signaling
- No knowledge of destination network
- No intelligent routing
- 50% success rate for FoIP calls

Can our industry respond
effectively to these problems?

They said “yes”!

- Deutsche Telekom
- iBasis
- SFT
- OTEGLOBE
- TATA
- Telkom SA
- WIS
- Telekom Italia Sparkle
- Telecom Poland
- Telefonica
- Reach
- FSB
- Telenor

INTERNATIONAL INTERCONNECTION FORUM FOR SERVICES OVER IP (i3 FORUM)

(www.i3forum.org)

Workstream “Technical Aspects”

Testing Report

Fax over IP service (September 2011)

Best Practices Recommendations in Q4

- User=fax
- ENUM

ENUM: Where do you want to go?

- Convert E.164 numbers to DNS lookup
- Returns URI of user's ENUM record
- Record contains info on all services
- HD voice is driver
- But what about fax?
- Used for IP-only routing

SPEERMINT: How can you get there?

- *Session PEERing for Multimedia INTerconnect*
- *Part of Real-Time Applications and Infrastructure study area (ENUM, SIP, Sigtran, etc)*
- *Identify, signal, and route real-time communication sessions*
- *Picks up where ENUM leaves off*

Thank you
And stay tuned