Document Status & Future Work

SAM-RG
Recently Active SAM Documents

Problem Statement:*
• draft-irtf-sam-problem-statement-02.txt

XCAST:
• draft-abade-xcast20-routing-engine-spec-00.txt
• draft-ug-xcast20-protocol-spec-01.txt

Multicast API:
• draft-waehlisch-sam-common-api-01
• draft-lim-irtf-sam-alm-api-00.txt

Overlay Framework:*
• draft-irtf-sam-hybrid-overlay-framework-02

*Charter Items
Emerging Topics?

• ALM traffic localization & performance optimization?
• IPTV: ALM on homegates?
• P2PSIP: ALM multicast for group conferencing?
• Hybrid multicast in mobile regimes?
• Security: Authentication issues in ALM?
• … backed by a SAM testbed
Summary of the SAM RG interim meeting at IEEE CCNC 2010
Part I: Xcast & Multicast in Mobile Networks and Traffic Localization

• *Treemap - The Fast Routing Convergence Method for Application Layer Multicast* - Khoa Phan; Thoai Nam; Eiichi Muramoto; et al.

• *Atomic Mobile Agent Group Communication* - Jinho Ahn

• *Transparent Unicast Translation to Improve Quality of Multicast over Wireless LAN* - Y. Tanigawa; K. Yasukawa; K. Yamaoka

• *Locality Analysis of BitTorrent-Like Peer-to-Peer Systems* - Yi Cui

• *A Topology-aware Application Layer Multicast Protocol* - Reza Besharati; Mozafar Bag-Mohammadi
Part II: Tools, Testbeds & Applications

• Scalable Application-Layer Multicast Simulations with OverSim - Stephan M Krause; Christian Hübsch
• An XCAST Multicast Implementation for the OverSim Simulator - Mario Kolberg; John Buford
• Functional and Performance Verification of Overlay Multicast Applications - A Product Level Approach - Thilmee Baduge; Boon Ping Lim; Kunio Akashi; et al.
• ToMo: A Two-layer Mesh/Tree Structure for Live Streaming in P2P Overlay Network - S. Awiphan; Zhou Su; Jiro Katto
• Improved Multicast Algorithm for Overlay Multicast in P2P based Video Streaming - Lorenzo Favalli; Marco Folli; Matteo Lanati