International Multimedia Telecommunications Consortium

Rich Media - Anywhere, Anytime

Source:	**IMTC SIP Parity Activity Group**
Title:	**IMTC work on SIP feature parity with H.323**

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LIAISON STATEMENT

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To:	**Ecma TC32, IETF, ITU-T Question 1 and 2/16, SIP Forum, UCIF**
Approval:	**IMTC**
For:	**Information/Action**
Deadline:	**26 August 2011**

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1. Introduction

The IMTC SIP Parity Activity Group (AG) provides a forum for IMTC member companies to cooperate and pool resources on SIP Parity issues.

The SIP Parity AG has focused on providing video profiles for SIP that match all the capabilities of H.323 videoconferencing. The ultimate objective of the AG is to bring it to full feature parity with H.323 video communications. Following its members' inputs, the AG has been working on several documents to help manufacturers implement standard features in an interoperable manner. The work products of the group are best practice documents and corresponding test cases documents. The status of these work products is described below.

2. SIP Video Profile

The aim of this document is to list the use cases that are associated with bandwidth, flow control, and intra-frame request functionalities, and to provide recommendations on best current practice. This document should serve as a reference for video services based on SIP/SDP, from the point of view of a user-agent with video capacity.

Title: "SIP Video Profile: Bandwidth, Flow Control and Intra-frame Request Use Cases & Proposed Best Practices", Version 1.15 (3 May, 2010)

Title: "SIP Video Profile: Bandwidth, Flow Control and Intra-frame Request Best Practices Test", Version 3 (10 Dec, 2010)

The SIP Video Profile best practice document is attached for your information. The corresponding test case document is being used by IMTC to informally track the adoption and implementation of the best practices.

3. Role Base Video

This document describes the best practices for implementing role-based video stream (RBVS) functionality in SIP. This functionality is comparable to H.239 for H.323 systems. In particular, it covers the use of video for content sharing, including floor control, alongside main video.

Title: "Best Practices for Role-Based Video Streams (RBVS) in SIP", Version 30 (10 May, 2011)

Title: "Role Based Video Test Cases", Version 2 (11 May, 2011)

The RBVS best practice document is attached for your information. The corresponding test case document is being used by IMTC to informally track the adoption and implementation of the best practices.

4. Security

This document describes best practices for implementing security in SIP-based video conferencing end devices. It does not describe any new functionality, but instead describes the best current practice for implementing security in SIP-based video conferencing end devices based on current IETF RFCs and drafts. A video conferencing end device is defined as a video endpoint incorporating a SIP User Agent (UA). Furthermore, this document is focused on protecting SIP signalling and session media, not on securing the video conferencing end devices themselves against network-based or other types of attacks. One of the main issues addressed in this area is best effort media encryption, meaning encrypting of media when possible yet allowing calls to succeed when not possible to encrypt end to end. The distribution of certificates and the configuration of security policies is not in scope.

The Security best practice document is still in a pre-draft state and is not yet available.

5. Conclusion

The IMTC SIP Parity AG would like to make other organizations aware of their efforts, and coordinate these efforts with any related efforts that may exist within other organizations. The IMTC SIP Parity AG would like to take this opportunity to share the existing draft versions of the existing best practice documents and solicit feedback or comments on these drafts before they progress through the IMTC official approval procedure.

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