

## Information Technology Resource Management Council (ITRMC)

### **ENTERPRISE STANDARDS – S3000 NETWORK AND TELECOMMUNICATIONS**

**Category: S3130 – NETWORK SERVICES – VIDEO CONFERENCING**

#### **CONTENTS:**

- I. [Definition](#)
- II. [Rationale](#)
- III. [Approved Standard\(s\)](#)
- IV. [Approved Product\(s\)](#)
- V. [Justification](#)
- VI. [Technical and Implementation Considerations](#)
- VII. [Emerging Trends and Architectural Directions](#)
- VIII. [Review Cycle](#)
- IX. [Time Line](#)
- X. [Revision History](#)

#### **I. DEFINITION**

Video conferencing systems allow individuals at two or more different geographical locations to see and hear each other, exchange data, and work together using interactive video, audio and computer technologies.

#### **II. RATIONALE**

Video conferencing standards are needed to enable the innovative use of this technology within an environment that is well understood and defined. The standards and protocols recommended by the International Telecommunication Union's (ITU) Telecommunication Standardization Sector (ITU-T) are recognized as the primary standard for video conferencing systems.

#### **III. APPROVED STANDARD(S)**

- 1. ITU-T H.323; and
- 2. ITU-T H.320.

#### **IV. APPROVED PRODUCTS(S)**

Standards-based

## **V. JUSTIFICATION**

Products must comply with approved ITU-T standards. New products should meet H.323 standards.

## **VI. TECHNICAL AND IMPLEMENTATION CONSIDERATIONS**

The deployment, configuration and management of a video conferencing system is a complex task that requires skilled resources.

## **VII. EMERGING TRENDS AND ARCHITECTURAL DIRECTIONS**

The ITRMC is aware that several major video conferencing vendors have adopted the SIP protocol (short for Session Initiation Protocol) and included it in their product offerings. Products based on SIP are expected to gain an increasing market share. ITRMC will continue to follow industry developments. If the industry does continue in its current direction, it may be appropriate to consider including SIP as an approved standard.

Agencies upgrading existing video conferencing equipment or purchasing new equipment may want to consider products that maintain support of the H.323 protocol, as the state standard, while including optional support for the SIP protocol to ensure the widest compatibility with other systems.

## **VIII. REVIEW CYCLE**

Twelve (12) Months

## **IX. TIME LINE**

Last Reviewed: March 7, 2007

Last Revised: March 7, 2007

Effective Date: February 20, 2002

## **X. REVISION HISTORY**

3/7/07 – Review cycle adjusted to 12 months.

9/13/06 – Section VII, Emerging Trends and Architectural Directions, updated to reflect current aspects of video conferencing industry. No changes to approved standards at this time.