INTERNATIONAL TELECOMMUNICATION UNION

ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

H.248.25

Corrigendum 1

(03/2004)

SERIES H: AUDIOVISUAL AND MULTIMEDIA SYSTEMS

Infrastructure of audiovisual services – Communication procedures

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Gateway control protocol: Basic CAS packages

Corrigendum 1

ITU-T Recommendation H.248.25 (2003) – Corrigendum 1

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ITU-T Recommendation H.248.25

Gateway control protocol: Basic CAS packages

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Summary

ITU-T Rec. H.248.25 defines Basic Channel Associated Signalling (CAS) and R1 packages and supplemental CAS packages that, in association with the H.248 Protocol, can be used to control a Media Gateway (MG) from an external Media Gateway controller (MGC). Changes incorporated by this corrigendum are:

- Addition of missing parameter;
- Addition of missing PackageID for bcasaddr;
- Clarification of digitmap mapping reference for DTMF digits;
- Correction of casf return code usage.

Source

Corrigendum 1 to ITU-T Recommendation H.248.25 (2003) was approved on 15 March 2004 by ITU-T Study Group 16 (2001-2004) under the ITU-T Recommendation A.8 procedure.

FOREWORD

The International Telecommunication Union (ITU) is the United Nations specialized agency in the field of telecommunications. The ITU Telecommunication Standardization Sector (ITU-T) is a permanent organ of ITU. ITU-T is responsible for studying technical, operating and tariff questions and issuing Recommendations on them with a view to standardizing telecommunications on a worldwide basis.

The World Telecommunication Standardization Assembly (WTSA), which meets every four years, establishes the topics for study by the ITU-T study groups which, in turn, produce Recommendations on these topics.

The approval of ITU-T Recommendations is covered by the procedure laid down in WTSA Resolution 1.

In some areas of information technology which fall within ITU-T's purview, the necessary standards are prepared on a collaborative basis with ISO and IEC.

NOTE

In this Recommendation, the expression "Administration" is used for conciseness to indicate both a telecommunication administration and a recognized operating agency.

Compliance with this Recommendation is voluntary. However, the Recommendation may contain certain mandatory provisions (to ensure e.g. interoperability or applicability) and compliance with the Recommendation is achieved when all of these mandatory provisions are met. The words "shall" or some other obligatory language such as "must" and the negative equivalents are used to express requirements. The use of such words does not suggest that compliance with the Recommendation is required of any party.

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As of the date of approval of this Recommendation, ITU had not received notice of intellectual property, protected by patents, which may be required to implement this Recommendation. However, implementors are cautioned that this may not represent the latest information and are therefore strongly urged to consult the TSB patent database.

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6.2.5 CAS Failure

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Description:

Describes the reasons for failure encountered at MG. The MGC may take corrective actions in context of the call on receiving one of these error codes (clear the call, reattempt on new trunk, etc.). "ULS" is reported when the MG ~~receives~~ encounters a line signal on the CAS trunk other than the one~~request from the MGC which is not~~ expected for the current state of the trunk~~due to the line signalling state at the MG~~. "LTO" is reported when a timeout occurs locally on the MG while waiting for a line signal on the CAS trunk. "SME" is reported when the MG encounters an internal CAS protocol or processing error ~~line signal on the CAS trunk other than the one expected for the current state of the trunk~~. "IDLTO" is reported when the idle guard timer expires on the MG while waiting for the idle line signal on the trunk.

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7 Basic CAS addressing package

PackageID: bcasaddr (0x00~~??~~)6d)

Version: 1

Extends: bcas version 1

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7.2.1 Address

EventID: addr (0x0006)

Description:

Reports the collected address parameter and termination method for the digits received by the MG.

EventsDescriptor parameters: ~~None~~

Address Coding

ParameterID: ac (0x0001)

Type: Sublist of Enumeration

Possible values:		
	"MF"	(0x0001) Multifrequency
	"DTMF"	(0x0002) Dual-tone Multi-frequency
	"DP"	(0x0003) Dial Pulse

Description:

Specifies the possible coding options of incoming digit events as tones and/or DC pulses. The default value is the value(s) provisioned as an attribute of the circuit associated with the signal.

ObservedEventsDescriptor parameters:

Digit String

ParameterID: ds (0x0001)

Type: String

Possible values:

A sequence of the characters '0' through '9' as well as 'A' through 'H'. (~~'~~A' through 'H' are used for MF signalling: refer to the symbols defined for the digit map in the MF Tone Detection package~~)~~. 'A' through 'F' are used for DTMF signalling – refer to the symbols defined for the digit map in the DTMF Detection package.

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