



INTERNATIONAL TELECOMMUNICATION UNION

ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

H.248.8

Amendment 1
(03/2004)

SERIES H: AUDIOVISUAL AND MULTIMEDIA SYSTEMS

Infrastructure of audiovisual services – Communication
procedures

Gateway control protocol: Error code and service
change reason description

Amendment 1

ITU-T Recommendation H.248.8 (2002) – Amendment 1

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ITU-T Recommendation H.248.8

Gateway control protocol: Error code and service change reason description

Amendment 1

Summary

ITU-T Rec. H.248.8 defines the Service Change Reasons that are used in the core H.248.1 protocol. It lists the Service Change Reason code associated with the Service Change Reason code name. It provides a definition of when the Service Change Reason is to be used. It also provides an indication of what text may be included in the Service Change extension to allow further interpretation of the Service Change Reason. Clause 5 provides these details.

This amendment addresses the following aspects:

- Correction of editorial error;
- Clarification of Package-defined Error Codes;
- Addition of a new Error Code;
- Clarification of Error Codes designated as "Not Used" in H.248.8.

NOTE – This Recommendation has been renumbered. It was formerly known as ITU-T Rec. H.248, Annex L.

Source

Amendment 1 to ITU-T Recommendation H.248.8 (2002) 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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ITU-T Recommendation H.248.8

Gateway control protocol: Error code and service change reason description

Amendment 1

1) Clause 1 – Scope

Revise clause 1 as follows:

1 Scope

This Recommendation defines the Error Codes that are used in the core H.248.1 protocol. It lists the Error Code number associated with the Error Code name. It then provides a definition of when the Error Code is to be used and if the Error Code is defined in a package. It also provides an indication of what text may be included in the Error Text descriptor to allow further interpretation of the Error Code. Clause 4.2 provides these details. The normal actions for failed transactions and commands apply as specified in clause 8/H.248.1. Packages may define Error Codes not documented in this Recommendation. The IANA registry should be consulted for the complete list of error codes.

Error codes marked as "Not Used" are historical in nature and are for informational purposes only. These error codes should not be used.

This Recommendation also defines the Service Change Reasons that are used in the core H.248.1 protocol. It lists the Service Change Reason code associated with the Service Change Reason code name. It provides a definition of when the Service Change Reason is to be used. It also provides an indication of what text may be included in the Service Change extension to allow further interpretation of the Service Change Reason. Clause 5.2 provides these details.

2) Clause 3 – References

Revise clause 3 as follows:

3 References

The following ITU-T Recommendations and other references contain provisions which, through reference in this text, constitute provisions of this Recommendation. At the time of publication, the editions indicated were valid. All Recommendations and other references are subject to revision; users of this Recommendation are therefore encouraged to investigate the possibility of applying the most recent edition of the Recommendations and other references listed below. A list of the currently valid ITU-T Recommendations is regularly published. The reference to a document within this Recommendation does not give it, as a stand-alone document, the status of a Recommendation.

– ITU-T Rec. H.248.1 (2002), *Gateway control protocol: Version 2*.

~~See ITU-T Rec. H.248.1.~~

3) Clause 4.2.34 – Error Code #: 471 Name: **Implied Add for Multiplex failure**

Revise clause 4.2.34 as follows:

4.2.34 Error Code #: 458 Name: Unexpected Event/RequestID

Definition: The command was disregarded because a notification for an Event/RequestID that the MGC did not request was received.

Package: –

Reference: –

Error Text in the error Descriptor: The RequestID is included in the Error text in the error descriptor.

Comment: –

Renumber the subsequent subclauses under clause 4.2 as follows:

- | | |
|-----------------|---|
| 4.2.3435 | Error Code #: 471 Name: Implied Add for Multiplex failure |
| 4.2.3536 | Error Code #: 500 Name: Internal software failure in the MG |
| 4.2.3637 | Error Code #: 501 Name: Not Implemented |
| 4.2.3738 | Error Code #: 502 Name: Not ready |
| 4.2.3839 | Error Code #: 503 Name: Service Unavailable |
| 4.2.3940 | Error Code #: 504 Name: Command Received from unauthorized entity |
| 4.2.4041 | Error Code #: 505 Name: Transaction Request Received before a ServiceChange Reply has been received |
| 4.2.4142 | Error Code #: 506 Name: Number of TransactionPendings Exceeded |
| 4.2.4243 | Error Code #: 510 Name: Insufficient resources |
| 4.2.4344 | Error Code #: 512 Name: Media Gateway unequipped to detect requested Event |
| 4.2.4445 | Error Code #: 513 Name: Media Gateway unequipped to generate requested Signals |
| 4.2.4546 | Error Code #: 514 Name: Media Gateway cannot send the specified announcement |
| 4.2.4647 | Error Code #: 515 Name: Unsupported Media Type |
| 4.2.4748 | Error Code #: 517 Name: Unsupported or invalid mode |
| 4.2.4849 | Error Code #: 518 Name: Event buffer full |
| 4.2.4950 | Error Code #: 519 Name: Out of space to store digit map |
| 4.2.5051 | Error Code #: 520 Name: Digit Map undefined in the MG |
| 4.2.5152 | Error Code #: 521 Name: Termination is "Service Changing" |
| 4.2.5253 | Error Code #: 526 Name: Insufficient bandwidth |
| 4.2.5354 | Error Code #: 529 Name: Internal hardware failure in MG |
| 4.2.5455 | Error Code #: 530 Name: Temporary Network failure |
| 4.2.5556 | Error Code #: 531 Name: Permanent Network failure |
| 4.2.5657 | Error Code #: 532 Name: Audited Property, Statistic, Event or Signal does not exist |
| 4.2.5758 | Error Code #: 533 Name: Response exceeds maximum transport PDU size |
| 4.2.5859 | Error Code #: 534 Name: Illegal write of read only property |
| 4.2.5960 | Error Code #: 540 Name: Unexpected initial hook state |
| 4.2.6061 | Error Code #: 581 Name: Does Not Exist |

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