



INTERNATIONAL TELECOMMUNICATION UNION

ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

Series H

Supplement 4

(11/2004)

SERIES H: AUDIOVISUAL AND MULTIMEDIA SYSTEMS

**Repository of generic parameters for
ITU-T Recommendations H.460.x sub-series**

CAUTION !

PREPUBLISHED RECOMMENDATION

This prepublication is an unedited version of a recently approved Recommendation. It will be replaced by the published version after editing. Therefore, there will be differences between this prepublication and the published version.

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

Compliance with this publication is voluntary. However, the publication may contain certain mandatory provisions (to ensure e.g. interoperability or applicability) and compliance with the publication 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 publication is required of any party.

INTELLECTUAL PROPERTY RIGHTS

ITU draws attention to the possibility that the practice or implementation of this publication may involve the use of a claimed Intellectual Property Right. ITU takes no position concerning the evidence, validity or applicability of claimed Intellectual Property Rights, whether asserted by ITU members or others outside of the publication development process.

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

© ITU 2005

All rights reserved. No part of this publication may be reproduced, by any means whatsoever, without the prior written permission of ITU.

Revised Supplement 4 to ITU-T Recommendations H.460.x sub-series

Repository of generic parameters for ITU-T Recommendations H.460.x sub-series

Summary

This Supplement to the H-series lists generic parameters assigned in the H.460.x series of Recommendations. Its purpose is to provide a quick reference to those parameters. This revision of Supplement 4 adds parameters that have been defined in new H.460.x documents since the previous edition of this supplement was published.

ITU-T H-series Recommendations

Repository of generic parameters for ITU-T Recommendations H.460.x sub-series

Supplement 4

1 Scope

The generic extensibility framework (GEF) concept is described in ITU-T Rec. H.323, and the corresponding data fields are formally defined in ITU-T Rec. H.225.0. Individual feature specifications define the meaning and content of those fields for specific features. ITU-T Rec. H.460.1 gives some guidance on the usage of GEF.

This Supplement to ITU-T Rec. H.460.1 lists generic parameters assigned in the H.460.x series of Recommendations. Its purpose is to provide a quick reference to those parameters. The Supplement will be regularly updated as new H.460.x Recommendations appear.

2 References

- ITU-T Recommendation H.225.0 (2003), *Call signalling protocols and media stream packetization for packet-based multimedia communication systems*.
- ITU-T Recommendation H.323 (2003), *Packet-based multimedia communications systems*.

3 Abbreviations

This Supplement uses the following abbreviations:

| | |
|-------|---------------------------------|
| ASN.1 | Abstract Syntax Notation one |
| GEF | Generic Extensibility Framework |
| ID | Identifier |
| PER | Packed Encoding Rules |

4 Generic identifier assignment

GEF can be used for standard and non-standard features. Each feature and each parameter defined in the context of such a feature are unambiguously identified by an identifier. Standard features are specified in the H.460.x series Recommendations, with some exceptions where a feature is defined in an annex to another Recommendation, and generally use integer values as identifiers. Non-standard features may be defined by an organization other than ITU-T or by a vendor, a service provider etc. They use object IDs or non-standard parameters as identifiers. In any case, the feature specification also assigns the identifiers used by that feature.

This Supplement lists the identifiers assigned to date for standard GEF features, i.e., features defined by ITU-T.

5 List of identifiers

5.1 Feature identifiers

The identifier *n* of a feature is the same as the final part in H.460.*n*, the designation of the Recommendation defining that feature. Feature identifiers are used at the top level of a *genericData* structure or of a *featureDescriptor* within a *featureSet*.

| Feature ID | Feature Name | defined in ... | Remarks |
|------------|--|---------------------|--------------------------------------|
| 0 | idAnnexGProfiles | H.501 | Usage defined in Annex G/H.225.0 |
| 1 | robustnessId | Annex R/H.323 | Feature ID also used as parameter ID |
| 2 | Number Portability | H.460.2 | |
| 3 | Circuit Status | H.460.3 | |
| 4 | CallPriorityDesignation | H.460.4 | |
| 5 | DuplicateIEs | H.460.5 | |
| 6 | Extended Fast Connect (EFC) | H.460.6 | |
| 7 | Digit Maps | H.460.7 | |
| 8 | Querying for Alternate Routes | H.460.8 | |
| 9 | QoS-monitoring Reporting | H.460.9 | |
| 10 | Call Party Category | H.460.10 | |
| 11 | Delayed Call Establishment | H.460.11 | |
| 12 | Glare Control Indicator | H.460.12 | |
| 13 | Called User Release Control | H.460.13 | |
| 14 | Multi-Level Precedence and Preemption (MLPP) | H.460.14 | |
| 15 | Suspend and Resume TCP Signalling Channel | H.460.15 | |
| 16 | Multiple-message Release Sequence | H.460.16 | |
| 17 | reserved | | |
| 1000 | RAS Protocol Tunnel | Annex M.4/ H.323 | |

5.2 Generic parameters

Each *enumeratedParameter* carried within a *genericData* structure (or a *featureSet* in case of feature negotiation) is identified by an identifier with local context, i.e., a value that is only unique within the scope of the specific feature. Therefore, parameter identifiers appear on a level below a feature identifier.

Parameters may carry content in addition to the identifier. However, for feature negotiation (i.e., inside a *featureSet*), parameters will be included as identifiers without content.

| Feature | Parameter | | | Reference | |
|---------|-----------|--|-----------|--|-----------------------------|
| | ID | Name | Content | | |
| 0 | 1 | idAnnexGProfileA | none | H.501 & H.225.0 Annex G | |
| 1 | 1 | robustnessId | ASN.1/PER | H.323 Annex R | |
| 2 | 1 | NumberPortabilityData | ASN.1/PER | H.460.2 | |
| 3 | 1 | Circuit Status Map | ASN.1/PER | H.460.3 | |
| 4 | 1 | CallPriorityRequest | ASN.1/PER | H.460.4 | |
| | 2 | CallPriorityConfirm | ASN.1/PER | | |
| 5 | 1 | IEsString | raw | H.460.5 | |
| 6 | 1 | EFC Proposal | none | H.460.6 | |
| | 2 | EFC Close All Media Channels | none | | |
| | 3 | EFC Request New Proposals | none | | |
| | 4 | EFC Require Symmetric Operation | none | | |
| 7 | 1 | Digit Maps Length | number32 | H.460.7 clause 5 (parameters for featureSet) | |
| | 2 | Digit Maps Length for Overlapped Sending | number32 | | |
| | 3 | HTTP Download Capability | bool | | |
| 7 | 1 | Start Timer | number8 | H.460.7 clause 6 (parameters for genericData) | |
| | 2 | Short Timer | number8 | | |
| | 3 | Long Timer | number8 | | |
| | 4 | Digit Map String | text | | |
| | 5 | ToN Associated Digit Map | compound | | |
| | 1 | Type of Number (ToN) | number8 | | (components of parameter 5) |
| | 2 | Digit Map Strings for ToN | text | | |
| | 6 | Digit Map URL | alias | | |
| 8 | 1 | Query Count | number8 | H.460.8 | |
| | 2 | Call Termination Cause | raw | | |
| 9 | 0 | qosMonitoringFinalOnly | none | H.460.9 H.460.9 Annex B | |
| | 1 | qosMonitoringReportData | ASN.1/PER | | |
| | 2 | qosMonitoringExtendedRTPMetrics | ASN.1/PER | | |
| 10 | 1 | Call Party Category Info | ASN.1/PER | H.460.10 | |
| 11 | 1 | Delay Point Indicator (DPI) | number8 | H.460.11 | |
| | 2 | Implicit DCE Release | none | | |
| | 3 | Delay Point Reached (DPR) | none | | |
| | 4 | DCE Release | none | | |
| 12 | 1 | Glare Control Indicator Parameter | number8 | H.460.12 | |
| 13 | 1 | Called User Release Control | number8 | H.460.13 | |

| | | | | |
|---|---|---|-----------|-----------------|
| 14 | 1 | MLPP Information | ASN.1/PER | H.460.14 |
| 15 | 1 | Signalling Channel Suspend and Redirect Parameter | ASN.1/PER | H.460.15 |
| 16 | 1 | MMRS Use Required | none | H.460.16 |
| | 2 | MMRS Procedure | number8 | |
| | 3 | MMRS Additional IEs | raw | |
| 17 | | reserved | | |
| 1000 | 1 | Protocol Tunnel | ASN.1/PER | Annex M.4/H.323 |
| Note: ASN.1/PER means raw format containing a PER encoding, supplemented by an ASN.1 definition of the content. | | | | |