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SERIES H: AUDIOVISUAL AND MULTIMEDIA SYSTEMS

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

ITU-T H-series Recommendations – Supplement 4

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Supplement 4 to ITU-T H-series Recommendations

Repository of generic parameters for the 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 Recommendations since the first edition of this Supplement was published, and corrects some values that were erroneously omitted from the previous edition.

Source

Supplement 4 to ITU-T H-series Recommendations was agreed on 30 January 2004 by ITU-T Study Group 16 (2001-2004).

Keywords

Feature identifier, feature set, GEF, generic extensibility framework, generic feature, generic parameter.

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

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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	
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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	

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 and Annex G/H.225.0
1	1	robustnessId	ASN.1/PER	Annex R/H.323
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	

Feature	Parameter			Reference
	ID	Name	Content	
7	1	Digit Maps Length	number32	clause 5/H.460.7
	2	Digit Maps Length for Overlapped Sending	number32	(parameters for featureSet)
	3	HTTP Download Capability	bool	
	1	Start Timer	number8	clause 6/H.460.7
	2	Short Timer	number8	(parameters for genericData)
	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
	1	qosMonitoringReportData	ASN.1/PER	
	2	qosMonitoringExtendedRTPMetrics	ASN.1/PER	Annex B/H.460.9
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
NOTE – ASN.1/PER means raw format containing a PER encoding, supplemented by an ASN.1 definition of the content.				

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