

ISO/IEC 23289:2002-12 (E)

Information technology_- Telecommunications and information exchange between systems_- Corporate telecommunication networks; Signalling interworking between QSIG and H.323; Basic services

Contents

Foreword	v
Introduction	vi
1 Scope	1
2 Conformance	1
3 Normative references	1
4 Definitions	2
4.1 External definitions	2
4.2 Other definitions	2
4.2.1 Gateway	2
4.2.2 IP network	2
4.2.3 Ring-back tone	2
5 Acronyms	2
6 Architecture	3
7 General requirements	4
8 Message mapping requirements	4
8.1 Message validation and handling of protocol errors	4
8.2 Call establishment from QSIG to H.323	5
8.2.1 Call establishment from QSIG to H.323 using admission procedures	5
8.2.2 Call establishment from QSIG to H.323 without admission procedures	8
8.3 Call establishment from H.323 to QSIG	11
8.3.1 Receipt of an H.225.0 SETUP message	11
8.3.2 Additional messages relating to overlap sending	12
8.3.3 Receipt of a QSIG CALL PROCEEDING message	12
8.3.4 Receipt of a QSIG ALERTING message	12
8.3.5 Receipt of a QSIG CONNECT message	12
8.4 PROGRESS messages and Progress indicator information elements	13
8.4.1 Receipt of a Progress indicator information element in a QSIG message	13
8.4.2 Receipt of a Progress indicator information element in an H.225.0 message	13
8.4.3 Transmission of Progress indicator information element in support of gateway-provided ring-back tone	13
8.5 Call clearing	13
8.5.1 Call clearing initiated by QSIG	13
8.5.2 Call clearing initiated by H.323	13
9 Numbering requirements	13
9.1 Supported numbering plans and types of number	13
9.2 Mapping numbers from QSIG to H.323	14
9.3 Mapping numbers from H.323 to QSIG	14
9.4 Handling of presentation and screening indicators	15
9.5 Handling of subaddresses	15
10 Security requirements	15

11	Requirements for support of basic services	15
11.1	Calls from QSIG to H.323	16
11.2	Calls from H.323 to QSIG	16
12	Media channel establishment	17
13	Requirements for the support of group 3 fax in accordance with H.323 annex D	17
13.1	Start of fax transmission	17
13.2	End of fax transmission	18
14	Requirements for the support of DTMF	18
15	Requirements for the provision of ring-back tone	18
Annexes		
A	Implementation Conformance Statement (ICS) proforma	19
B	Example message sequences	34