

I n t e r n a t i o n a l T e l e c o m m u n i c a t i o n U n i o n

ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

H.321

Corrigendum 1
(01/2005)

SERIES H: AUDIOVISUAL AND MULTIMEDIA SYSTEMS
Infrastructure of audiovisual services – Systems and
terminal equipment for audiovisual services

Adaptation of H.320 visual telephone terminals to
B-ISDN environments

Corrigendum 1

ITU-T Recommendation H.321 (1998) – Corrigendum 1



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ITU-T Recommendation H.321

Adaptation of H.320 visual telephone terminals to B-ISDN environments

Corrigendum 1

Summary

The changes introduced by this corrigendum incorporate developments in the DSS2 signalling work (revised ITU-T Rec. Q.2931 and new ITU-T Rec. Q.2941.2 in particular) subsequent to the approval of ITU-T Rec. H.321 (02/98).

Source

Corrigendum 1 to ITU-T Recommendation H.321 (1998) was approved on 8 January 2005 by ITU-T Study Group 16 (2005-2008) 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.321

Adaptation of H.320 visual telephone terminals to B-ISDN environments

Corrigendum 1

1) Update to the list of normative references

Amend clause 2, References, as follows:

2 References

• • •

- ITU-T Recommendation I.580 (1995), *General arrangements for interworking between B-ISDN and 64 kbit/s based ISDN.*
- ITU-T Recommendation Q.2931 (1995), *Digital Subscriber Signalling System No. 2 – User-Network Interface (UNI) layer 3 specification for basic call/connection control and its Amendments.*
- ITU-T Recommendation Q.2941.1 (1997), *Digital Subscriber Signalling System No. 2 – Generic identifier transport.*
- ITU-T Recommendation Q.2941.2 (1999), *Digital Subscriber Signalling System No. 2 – Generic identifier transport extensions.*

2) Update to GIT End Station Identifier

Amend clause 7.3 as follows:

7.3 Intercommunication between AAL-1 and AAL-5

The following procedures describe the use of an AAL-1/AAL-5 Interworking Unit as shown in Figure 7.

- 1) An H.321 terminal sends a SETUP to another H.321 terminal. If the AAL type of the receiving terminal matches the AAL type in the SETUP, the normal connection procedures are followed.
- 2) If the AAL type in the SETUP does not match the type of the receiving terminal, a Generic Identifier Transport (GIT) Information Element (IE) may optionally be included in the RELEASE COMPLETE. This GIT IE can contain the address of an AAL-1/AAL-5 Interworking Unit known to the destination terminal that rejected the call.

~~NOTE—The address shall be contained in the End Station Identifier which is pending definition with Identifier related standard/application (octet 5) = 00000010 and approval from Study Group Identifier type (octet 6) = 00000011.~~

- 3) The originating H.321 terminal may use the address contained in the GIT IE from the RELEASE COMPLETE to send a new SETUP to the specified AAL-1/AAL-5 Interworking Unit. The address of the destination H.321 terminal shall be included as a GIT IE, since the SETUP itself addresses the AAL-1/AAL-5 Interworking Unit.

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3) Update to Broadband Report Type IE

Amend clause C.4 as follows:

C.4 Choosing between adaptive and independent clocks

The procedures of this subclause apply only when a network clock source is not available. They are designed to prevent both ends of a connection from choosing adaptive timing, which would create an unstable loop.

- If an H.321 terminal receives a Q.2931 call-related message with ~~parameter "X"Type of report (00000010) in a Notification Indicator~~Broadband Report Type IE (IE Identifier = 10001001), the transmitter of that terminal shall use an independent clock source.
- When an H.321 terminal without a network clock source sends a SETUP message, ~~parameter "X"Type of report (00000010)~~ shall be included in the ~~Notification Indicator~~Broadband Report Type IE and the transmitter shall prepare to use the adaptive clock of the receiver. It shall revert to an independent clock source if the response to SETUP or any later message contains ~~parameter "X"Type of report (00000010) in a Notification Indicator IE.~~Broadband Report IE.

~~NOTE—Parameter "X" is pending definition and approval from Study Group 11.~~

- An H.321 terminal shall be capable of providing both an adapted clock and an independent clock to its transmitter, whichever is called for in a given connection.

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