



AMENDMENT

ETS 300 603

A1

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**This amendment A1 modifies
the European Telecommunication Standard ETS 300 603 (1994)**

**European digital cellular telecommunications system (Phase 2);
Interworking between a Public Land Mobile Network (PLMN) and
a Packet Switched Public Data Network/Integrated Services
Digital Network (PSPDN/ISDN) for the support of packet
switched data transmission services
(GSM 09.06)**

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Foreword

This Amendment to ETS 300 603 (1994) has been produced by the Special Mobile Group (SMG) Technical Committee of the European Telecommunications Standards Institute (ETSI).

This Amendment to ETS 300 603 (1994) corresponds to the changes to GSM Technical Specification (GSM-TS) 09.06 from version 4.4.1 to version 4.5.0, as approved by TC-SMG.

This Amendment modifies pages 9, 12, 15, and 17 of ETS 300 603 (1994).

Amendments

Page 9, Clause 3.

Replace the existing bullet definition:

- GSM packet mode services "Use of X.31 case A";

with the following:

- GSM packet mode services "Use of X.31 case A":
A circuit connection shall be used for accessing the packet service (according to ETS 300 099), with the significant characteristics of the connection identified by the following setting of the respective parameters of the BC-IE:
 - * information transfer capability = unrestricted digital information
 - * transfer mode = circuit mode.The issue of "loop detection" is of no concern in the case of X.31 Case A (ETS 300 099) because the PH inserts - irrespective of being accessed by a home or a foreign roaming subscriber - into the "calling address" of an outgoing X.25 "call request" packet the address of the B-channel port.

Page 9, Clause 3.

Between the definition bullet points:

- GSM packet mode services "Use of X.31 case A"; and
- Packet mode services via PSTN (X.32).

Insert the following two new definitions bullet points:

- GSM packet mode services "Use of X.31 case B"
A packet connection shall be used for accessing the packet service (according to ETS 300 099), with the significant characteristics of the connection identified by the following setting of the respective parameters of the BC-IE:
 - information transfer capability = unrestricted digital information
 - transfer mode = packet mode.
- service number
A service number is a special E.164 number of the HPLMN which indicates to the HPLMN that, in case of an access to a PH X.31 case B, case A/B conversion is necessary. It is translated in the HPLMN into the actual E.164 number of the PH. The service number is used by the subscriber for the access of the PH case B when the subscriber is in the HPLMN or in the VPLMN.

Page 12, subclause 7.2.

Replace the existing 1st paragraph with the following new 1st paragraph:

"In this scenario an PH or an PSPDN port is considered to be part of the ISDN or the PSPDN, as shown in Figures 1 and 2/GSM09.06."

Page 12, subclause 7.2.

Insert the following new 4th paragraph:

"PHs supporting only X.31 case B can also be used. For these PHs agreements should exist between the PLMN and the fixed network operators to signal the case B between PLMN and ISDN. The GSM HPLMN shall take care of the X.31 case A/B conversion in order to proceed the call. The location of this conversion within the HPLMN is network dependent."

Page 15, subclause 8.3.1.

Insert the following new final paragraph:

"In case where the PH only supports X.31 case B, the PLMN shall take care of the X.31 case A/B conversion to proceed the call."

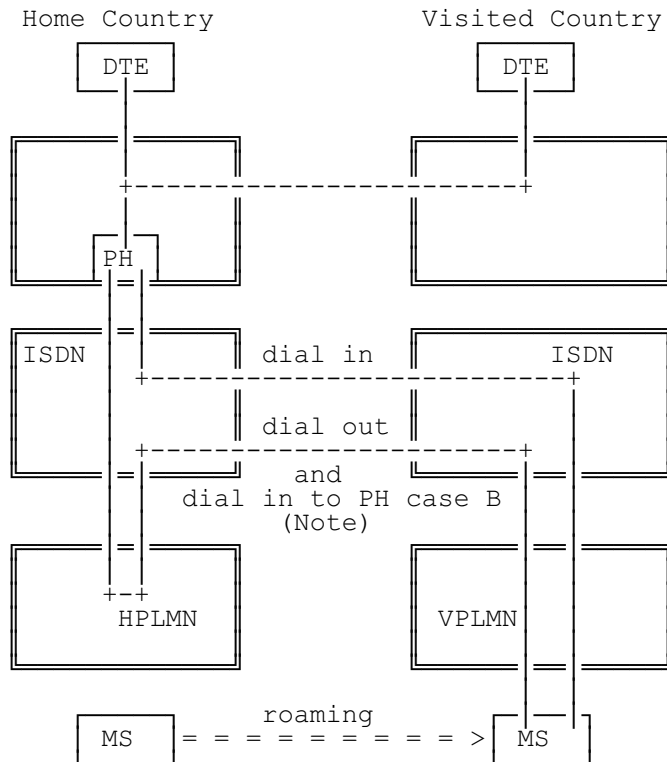
Page 15, subclause 8.3.2.

Insert the following new 2nd paragraph:

"In case where the PH only supports X.31 case B, the PLMN shall take care of the X.31 case A/B conversion to proceed the call."

Page 17, subclause 8.3.2.

Replace the existing figure 5/GSM09.06 with the following new figure 5/GSM09.06:



Note: In case of a PH only supporting case B, the case A/B conversion is necessary in the HPLMN. This is indicated by the mobile using a service number (see section 3).

Figure 5/GSM09.06 VPLMN and ISDN transit network; unrestricted digital information

Page 17, subclause 8.4.1.

Insert the following new final paragraph:

"In case of more than one subscribed basic packet mode service in the HLR, the highest subscribed user rate is used. If in the Visited PLMN this user rate is not supported, the call will fail."

Page 17, subclause 8.4.2.

Replace the existing text with the following new text:

"The scenarios applicable are those given in Figure 1 to 3. In this case the call will be handled as for any other data call for MS in VPLMN (see "Dial out"-case of Figures 4 and 5/GSM09.06)."

History

Document history	
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November 1995	Converted into Adobe Acrobat Portable Document Format (PDF)