

Standard ECMA-243

PISN - Cordless Terminal Mobility (CTM) - Inter-Exchange Signalling Protocol - Cordless Terminal Authentication Supplementary Services (QSIG-CTAU)

2nd edition (September 1997)

This Standard specifies the signalling protocol for the support of the Authentication supplementary services (SS-CTAT and SS-CTAN) at the Q reference point between Private Integrated Services Network Exchanges (PINXs) connected together within a Private Integrated Services Network (PISN).

The authentication services consist of the two following related but distinct supplementary services:

- a) Authentication of a CTM user (SS-CTAT) is a supplementary service that enables a PISN, as a security measure, to validate the identity provided by the CTM user.
- b) Authentication of the PISN (SS-CTAN) is a supplementary service that enables a served CTM user, as a security measure, to validate the identity of the PISN.

The mechanisms used in these services are based on the challenge and response method of authentication.

Authentication algorithms to be used by these supplementary services are outside the scope of this Standard.

Roaming outside the PISN is outside the scope of this edition of this Standard.

The Q reference point is defined in ISO/IEC 11579-1.

Service specifications are produced in three stages and according to the method specified in ETS 300 387. This Standard contains the stage 3 specification for the Q reference point and satisfies the requirements identified by the stage 1 and stage 2 specifications in I-ETS 300 768 and I-ETS 300 769.

The signalling protocol for SS-CTAT and SS-CTAN uses certain aspects of the generic procedures for the control of supplementary services specified in **ECMA-165**.

This Standard also specifies additional signalling protocol requirements for the support of interactions at the Q reference point between SS-CTAT/SS-CTAN and other supplementary services and ANFs.

NOTE

Additional interactions that have no impact on the signalling protocol at the Q reference point can be found in the relevant stage 1 specifications.

1

This Standard is applicable to PINXs which can interconnect to form a PISN.

Since the publication of this and other ECMA Standards for CTM, ECMA has worked with ISO/IEC JTC1/SC6 in the preparation of International Standards for Wireless Terminal Mobility (WTM), which supersede the Standards for CTM. For new implementations ECMA recommends the use of the Standards for WTM. These are published also by ECMA as **ECMA-301**, **ECMA-302**, **ECMA-303**, **ECMA-304**, **ECMA-305**, **ECMA-306**.

The following files are provided in this set of CD-ROMs:

| File name | Size (Bytes) | Content |
|---------------------|---------------------|-------------------------------|
| ECMA-243.PDF | 292'616 | Acrobat PDF file |
| ECMA-243.PSC | 1'255'897 | Corresponding PostScript file |

Printed copies of this Standard can be ordered, free of charge, from document@ecma.ch .
