

## Standard ECMA-305

### PISN - Specification, Functional Model and Information Flows - Wireless Terminal Authentication Supplementary Services (WTMAU-SD)

(June 2000)

This Standard specifies the Authentication supplementary services, which are applicable to various basic services supported by Private Integrated Services Networks (PISN). Basic services are specified in [ECMA-142](#).

Authentication of a WTM user (SS-WTAT) is a supplementary service that enables a PISN, as a security measure, to validate the identity provided by the WTM user.

Authentication of the PISN (SS-WTAN) is a supplementary service that enables a served WTM user, as a security measure, to validate the identity of the PISN.

The mechanisms used in these supplementary services are based on the challenge and response method of authentication. Authentication algorithms to be used by these two supplementary services (SS-WTAT and SS-WTAN) are outside the scope of this Standard. This Standard provides the information flows to convey the security parameters.

Supplementary service specifications are produced in three stages, according to the method described in CCITT Recommendation I.130. This Standard contains the stage 1 and stage 2 specifications of SS-WTAT and SS-WTAN. The stage 1 specification (clause 6 and 7) specifies the supplementary service as seen by

users of PISNs. The stage 2 specification (clause 8 and 9) identifies the functional entities involved in the supplementary service and the information flows between them.

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

File name	Size (Bytes)	Content
<a href="#">ECMA-305.PDF</a>	288'169	Acrobat PDF file
<a href="#">ECMA-305.PSC</a>	1'960'396	Corresponding PostScript file

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