

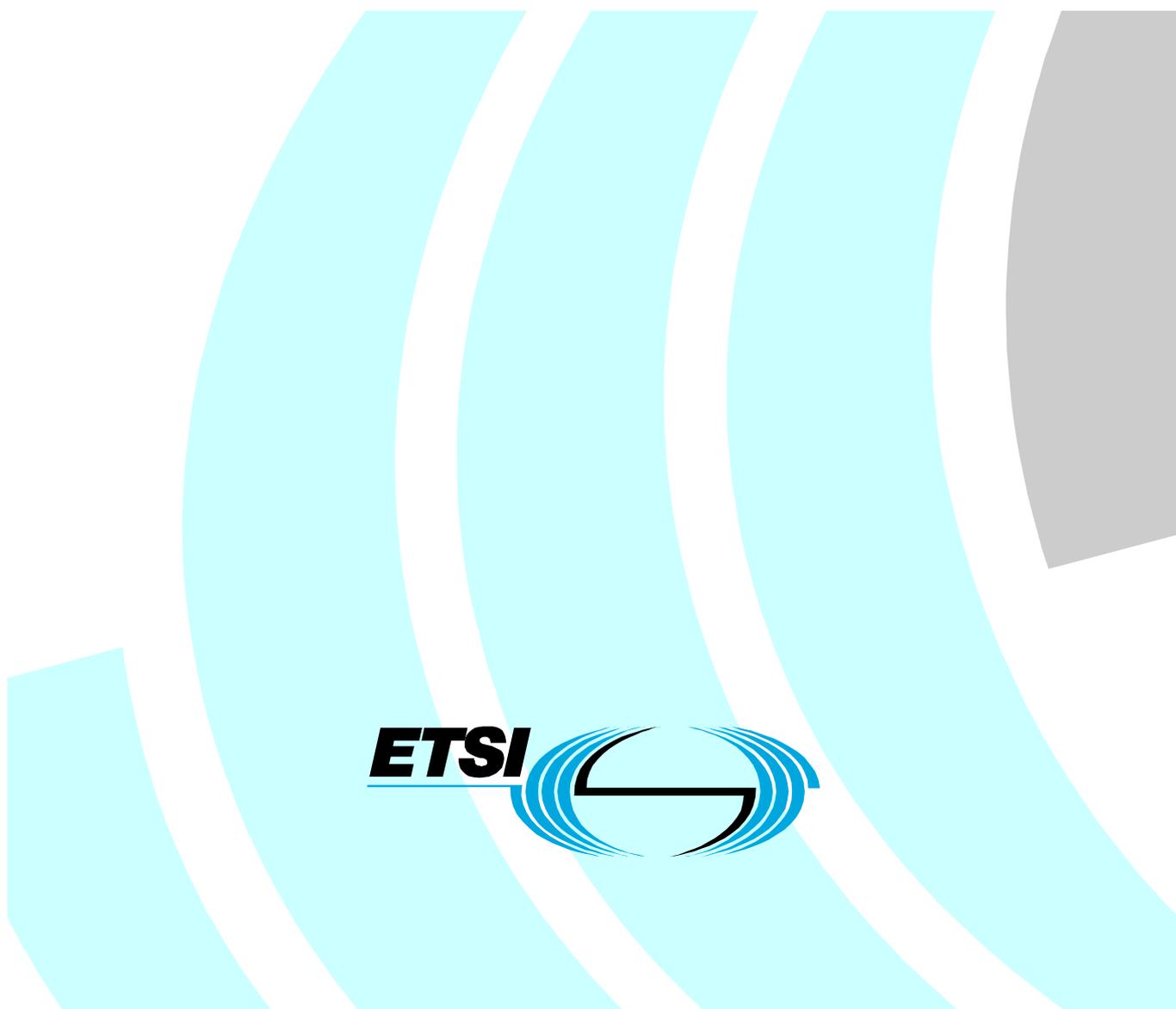
# ETSI ES 200 812-1 V2.2.2 (2002-09)

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*ETSI Standard*

**Terrestrial Trunked Radio (TETRA);  
Subscriber Identity Module to  
Mobile Equipment (SIM-ME) interface;  
Part 1: Physical and logical characteristics**

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Reference

RES/TETRA-07060-1

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## Foreword

This ETSI Standard (ES) has been produced by ETSI Project Terrestrial Trunked Radio (TETRA).

The present document is part 1 of a multi-part deliverable covering the Subscriber Identity Module to Mobile Equipment (SIM-ME) interface, as identified below:

- Part 1: "Physical and logical characteristics";**
- Part 2: "Characteristics of the TSIM application".

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## Introduction

The present document defines a generic terminal/Integrated Circuit Card (ICC) interface. The present document is independent of the TETRA application and can thus be the platform for any IC card application.

The aim of the present document is to ensure interoperability between an ICC and a terminal independently of the respective manufacturer, card issuer or operator. The present document does not define any aspects related to the administrative management phase of the ICC. Any internal technical realization of either the ICC or the terminal is only specified where these are reflected over the interface.

Application specific details for applications residing on an ICC are specified in the respective application specific documents.

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# 1 Scope

The present document specifies the interface between the UICC and the terminal.

The present document specifies:

- the requirements for the physical characteristics of the UICC;
- the electrical interface between the UICC and the terminal;
- the initial communication establishment and the transport protocols;
- the model which serves as a basis for the logical structure of the UICC;
- the communication commands and the procedures;
- the application independent files and protocols.

The administrative procedures and initial card management are not part of the present document.

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# 2 References

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

- References are either specific (identified by date of publication and/or edition number or version number) or non-specific.
- For a specific reference, subsequent revisions do not apply.
- For a non-specific reference, the latest version applies.

[1] ETSI TS 102 221: "Smart cards; UICC-Terminal interface; Physical and logical characteristics (Release 5)".

[2] ETSI TS 100 812-2: "Terrestrial Trunked Radio (TETRA); Subscriber Identity Module to Mobile Equipment (SIM-ME) interface; Part 2: Characteristics of the TSIM application".

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# 3 Definitions, symbols, abbreviations and coding

## 3.1 Definitions

For the purposes of the present document, the terms and definitions given in TS 102 221 [1] apply.

## 3.2 Symbols

For the purposes of the present document, the symbols defined in TS 102 221 [1] apply.

## 3.3 Abbreviations

For the purposes of the present document, the abbreviations defined in TS 102 221 [1] apply.

## 3.4 Coding

For the purposes of the present document, the coding defined in TS 102 221 [1] applies.

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# 4 Physical and logical characteristics

The UICC/terminal interface shall comply with all requirements stated in TS 102 221 [1]. Where options are indicated in TS 102 221 [1], TS 100 812-2 [2] specifies which option shall be used for a UICC/terminal interface where the UICC supports a USIM.

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## History

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Edition 1	November 1998	Publication as ETS 300 812
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