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UICC-Terminal Interface Physical and Logical Characteristics for cdma2000 Spread Spectrum Systems

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1 No text.

1 Note: This is a replacement version of C.S0074-0 v1.0. The term 3GPP2 has been replaced
2 with cdma2000® in section 3.

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1 No text.

1 Revision History

<u>Revision</u>	<u>Description</u>	<u>Date</u>
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1 No text.

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1 No text.

1 **1. PREFACE**

2 The present document specifies the interface between the UICC and the Terminal for
3 cdma2000^{®1} network operation.

4 The present document specifies:

- 5 • the requirements for the physical characteristics of the UICC;
- 6 • the electrical interface between the UICC and the Terminal;
- 7 • the initial communication establishment and the transport protocols;
- 8 • the model which serves as a basis for the logical structure of the UICC;
- 9 • the communication commands and the procedures;
- 10 • the application-independent files and protocols.

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

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¹ cdma2000[®] is the trademark for the technical nomenclature for certain specifications and standards of the Organizational Partners (OPs) of 3GPP2. Geographically (and as of the date of publication), cdma2000[®] is a registered trademark of the Telecommunications Industry Association (TIA-USA) in the United States.

1 NOTES

- 2 1. The following verbal forms are used: "Shall" and "shall not" identify requirements to
3 be followed strictly to conform to the standard and from which no deviation is
4 permitted. "Should" and "should not" indicate that one of several possibilities is
5 recommended as particularly suitable, without mentioning or excluding others; that
6 a certain course of action is preferred but not necessarily required; or that (in the
7 negative form) a certain possibility or course of action is discouraged but not
8 prohibited. "May" and "need not" indicate a course of action permissible within the
9 limits of the standard. "Can" and "cannot" are used for statements of possibility and
10 capability, whether material, physical, or causal.
- 11 2. Footnotes appear at various points in this specification to elaborate and to further
12 clarify items discussed in the body of the specification.
- 13 3. Unless indicated otherwise, this document presents numbers in decimal form.
- 14 Binary numbers are distinguished in the text by the use of single quotation marks.
15 In some tables, binary values may appear without single quotation marks if table
16 notation clearly specifies that values are binary. The character 'x' is used to
17 represent a bit of unspecified value. For example 'xxx00010' represents any 8-bit
18 binary value such that the least significant five bits equal '00010'.
- 19 Hexadecimal numbers (base 16) are distinguished in the text by use of the form
20 0xhh where hh represents a string of hexadecimal digits. For example, 0x2fa1
21 represents a number whose binary value is '0010111110100001' and whose decimal
22 value is 12193. Note that the exact number of bits in the binary representation of a
23 hexadecimal number strictly depends upon the implementation requirements for
24 the variable being represented.
- 25 4. "Base station" refers to the functions performed on the fixed network, which are
26 typically distributed among a cell, a sector of a cell, and a mobile communications
27 switching center.
- 28

2. REFERENCES

The following standards are referenced in this text. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based upon this document are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. ANSI and TIA maintain registers of currently valid national standards published by them.

1. ETSI TS 102 221, *Smart Cards; UICC-Terminal interface; Physical and logical characteristics*, Release 6.
2. 3GPP TS 31.101, *UICC-Terminal interface; Physical and logical characteristics*, Release 6.

3. INTRODUCTION

The present document defines a generic Terminal/Integrated Circuit Card (ICC) interface for cdma2000® applications. The present document is based on [1], which defines a generic platform for any IC card application. Requirements that are common to all cdma2000® smart card based applications are also listed in this specification.

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.

References to this document from cdma2000® application specifications related to functionalities that are not described in the present document are to be considered as direct references to [1].

4. DEFINITIONS, SYMBOLS, ABBREVIATIONS AND CODING CONVENTIONS

All definitions, symbols, abbreviations applicable to the UICC-terminal interface in CDMA Spread Spectrum Systems are specified in [1].

5. UICC-TERMINAL INTERFACE; PHYSICAL AND LOGICAL CHARACTERISTICS

The UICC-Terminal interface in the context of CDMA Spread Spectrum systems shall comply with all requirements specified in [2]. "3GPP" shall be interpreted as "3GPP2" in the context of CDMA Spread Spectrum Systems.