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3RD GENERATION
PARTNERSHIP
PROJECT 2
"3GPP2"

Open Service Access (OSA)

Application Programming Interface (API)

OSA API

Revision: 0

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Revision History

Revision		Date
Rev. 0	Initial Publication	June 2003

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FOREWORD

This Technical Specification has been produced by the 3rd Generation Partnership Project 2 (3GPP2).

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1 INTRODUCTION

This document is intended to define the OSA API Stage 3 interface definitions and it provides the complete OSA specifications for cdma2000^{®1}-based systems. This document is an extension of OSA API, per latest 3GPP TS 29.198 series specifications capabilities to enable operation in cdma2000 systems environment as part of the TIA/EIA/IS-2000 family of standards. They are in alignment with 3GPP2 Stage 1 requirements and Stage 2 architecture defined in [17], [18] and [19]. These requirements are expressed as additions to and/or exclusions from the Release 5 specification of the 3GPP TS 29.198 series. The information given here is to be used by developers in 3GPP2 cdma2000 network architecture to interpret the 3GPP OSA Specifications.

The OSA specifications define an architecture that enables application developers to make use of network functionality through an open standardized interface, i.e. the OSA APIs. These APIs are applicable to the 3GPP2 network architecture described in [17], [18] and [19].

The 3GPP TS 29.198 series specifications are included as a reference. It is intended that all upgrades to the TS 29.198 series Release 5 specification will also apply to this document.

1.1 References

3GPP

- [1] 3GPP TS 29.198-1: "Open Service Access; Application Programming Interface; Part 1: Overview".
- [2] 3GPP TS 29.198-2: "Open Service Access; Application Programming Interface; Part 2: Common Data Definitions".
- [3] 3GPP TS 29.198-3: "Open Service Access; Application Programming Interface; Part 3: Framework".
- [4] 3GPP TS 29.198-4-1: "Open Service Access; Application Programming Interface; Part 4: Sub-part 1: Call Control Common Definitions".
- [5] 3GPP TS 29.198-4-2: "Open Service Access; Application Programming Interface; Part 4: Sub-part 2: Generic Call Control SCF".
- [6] 3GPP TS 29.198-4-3: "Open Service Access; Application Programming Interface; Part 4: Sub-part 3: Multi-Party Call Control SCF".
- [7] 3GPP TS 29.198-4-4: "Open Service Access; Application Programming Interface; Part 4: Sub-part 4: Multi-Media Call Control SCF".
- [8] 3GPP TS 29.198-5: "Open Service Access; Application Programming Interface; Part 5: Generic User Interaction SCF".
- [9] 3GPP TS 29.198-6: "Open Service Access; Application Programming Interface; Part 6: Mobility SCF".
- [10] 3GPP TS 29.198-7: "Open Service Access; Application Programming Interface; Part 7: Terminal Capabilities SCF".

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.

[11]	3GPP TS 29.198-8: "Open Service Access; Application Programming Interface; Part 8: Data Session Control SCF".	1
		2
[12]	3GPP TS 29.198-11: "Open Service Access; Application Programming Interface; Part 11: Account Management SCF".	3
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[13]	3GPP TS 29.198-12: "Open Service Access; Application Programming Interface; Part 12: Charging SCF".	6
		7
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[14]	3GPP TS 29.198-13: "Open Service Access; Application Programming Interface; Part 13: Policy Management SCF".	9
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[15]	3GPP TS 29.198-14: "Open Service Access; Application Programming Interface; Part 14: Presence and Availability Management SCF".	12
		13
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[16]	3GPP: TR 29.998-04-4 "Multiparty Call Control - SIP Mapping".	15
		16
3GPP2		17
[17]	3GPP2 P.S0001-B: "Wireless IP Network Standard", Version 1.0, September 2000.	18
		19
[18]	3GPP2 S.R0037-0: "IP Network Architecture Model for cdma2000 Spread Spectrum Systems", Version 2.0, May 14, 2002.	20
		21
		22
[19]	3GPP2 X.S0013: "IP Network for cdma2000 Spread Spectrum Systems 3GPP2 All IP Core Network, Enhancements For, Multimedia Domain", under development.	23
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1.2 Terminology

This document uses the following "verbal forms" and "verbal form definitions":

- "shall" and "shall not" identify items of interest that are to be strictly followed and from which no deviation is recommended,
- "should" and "should not" indicate items of interest that are highly desirable and particularly suitable, without identifying or excluding other items; or (in the negative form) indicate items of interest that are not desirable, are not particularly suitable, or are not recommended but not prohibited, and
- "may" and "may not" indicate items of interest that are optional but permissible within the limits of this recommendation.

1.3 Overview

The structure of this document is aligned with the structure of the 3GPP TS 29.198 series of specifications; therefore each of the TS 29.198 series corresponds to a section in this document. The protocol mapping of TR 29.298 series are not applicable for cdma2000 systems, except for 3GPP TR 29.998-04-4: "Multiparty Call Control - SIP Mapping" [16]. This corresponds to section 14 of this document.

2 Open Service Access; Application Programming Interface: Overview

(See [01])

General Exceptions

The terms 3GPP and UMTS are not applicable for the cdma2000 family of standards. Nevertheless these terms are used [01] mostly in the broader sense of “3G Wireless System”. If not stated otherwise there are no additions or exclusions required.

CAMEL and CAP mappings are not applicable for cdma2000 systems.

Specific Exceptions

Chapter 01: Scope

There are no additions or exclusions.

Chapter 02: References

Normative references on 3GPP TS 23.078 and on 3GPP TS 29.078 are not applicable for cdma2000 systems.

Chapter 03: Definitions and abbreviations

There are no additions or exclusions.

Chapter 04: Open Service Access APIs

There are no additions or exclusions.

Chapter 05: Structure of the OSA API (29.198) and Mapping (29.998) documents

There are no additions or exclusions.

Chapter 06: Methodology

There are no additions or exclusions.

Chapter 07: Introduction to OSA APIs

There are no additions or exclusions.

Annex A (normative):OMG IDL

There are no additions or exclusions.

Annex B (informative): W3C WSDL

There are no additions or exclusions.

Annex C (informative): Java API

There are no additions or exclusions.

Annex D (informative): Change history

There are no additions or exclusions.

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3 Open Service Access; Application Programming Interface: Common data

(See [02])

General Exceptions

The term UMTS is not applicable for the cdma2000 family of standards. Nevertheless the term UMTS is used [01] mostly in the broader sense of “3G Wireless System”. If not stated otherwise there are no additions or exclusions required.

CAMEL and CAP mappings are not applicable for cdma2000 systems.

Specific Exceptions

Chapter 01: Scope

There are no additions or exclusions.

Chapter 02: References

Normative references on 3GPP TS 23.078 and on 3GPP TS 29.078 are not applicable for cdma2000 systems.

Chapter 03: Definitions and abbreviations

There are no additions or exclusions.

Chapter 04: Common Data definitions

There are no additions or exclusions.

Chapter 05: Common System Data definitions

There are no additions or exclusions.

Annex A (normative): OMG IDL Description of the Common Data definitions

There are no additions or exclusions.

Annex B (informative): W3C WSDL Description of the Common Data definitions

There are no additions or exclusions.

Annex C (informative): Java API Description of the Common Data definitions

There are no additions or exclusions.

Annex D (normative): Exception Hierarchy

There are no additions or exclusions.

Annex E (informative): Change history

There are no additions or exclusions.

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4 Open Service Access; Application Programming Interface: Framework

(See [03])

General Exceptions

The term UMTS is not applicable for the cdma2000 family of standards. Nevertheless the term UMTS is used [01] mostly in the broader sense of “3G Wireless System”. If not stated otherwise there are no additions or exclusions required.

CAMEL and CAP mappings are not applicable for cdma2000 systems.

Specific Exceptions

Chapter 01: Scope

There are no additions or exclusions.

Chapter 02: References

Normative references on 3GPP TS 23.078 and on 3GPP TS 29.078 are not applicable for cdma2000 systems.

Chapter 03: Definitions and abbreviations

There are no additions or exclusions.

Chapter 04: Overview of the Framework

There are no additions or exclusions.

Chapter 05: The Base Interface Specification

There are no additions or exclusions.

Chapter 06: Framework Access Session API

There are no additions or exclusions.

Chapter 07 Framework-to-Application Sequence Diagrams

There are no additions or exclusions.

Chapter 08: Framework-to-Service API

There are no additions or exclusions.

Chapter 09: Service Properties

Since CAMEL protocol is not applicable for cdma2000 systems, an SCS shall indicate support for the CAMEL feature through service properties. For cdma2000 systems the CAMEL service properties shall be disabled (CAMEL shall be turned always off in the case of the 3GPP2 networks; e.g.: UserLocationCamel shall be set to false).

<i>Chapter 10: Data Definitions</i>	1
There are no additions or exclusions.	2
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<i>Chapter 11: Exception Classes</i>	4
There are no additions or exclusions.	5
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<i>Annex A (normative):OMG IDL Description of the Framework</i>	7
There are no additions or exclusions.	8
	9
<i>Annex B (informative): W3C WSDL Description of the Framework</i>	10
There are no additions or exclusions.	11
	12
<i>Annex C (informative): Java API Description of the Framework</i>	13
There are no additions or exclusions.	14
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<i>Annex D (informative): Change history</i>	16
There are no additions or exclusions.	17
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5 Open Service Access; Application Programming Interface: Call Control

5.1 Open Service Access; Application Programming Interface: Call Control Sub-part 1: Call Control Common Definitions

(See [04])

General Exceptions

The term UMTS is not applicable for the cdma2000 family of standards. Nevertheless the term UMTS is used [01] mostly in the broader sense of “3G Wireless System”. If not stated otherwise there are no additions or exclusions required.

CAMEL and CAP mappings are not applicable for cdma2000 systems.

Specific Exceptions

Chapter 01: Scope

There are no additions or exclusions.

Chapter 02: References

Normative references on 3GPP TS 23.078 and on 3GPP TS 29.078 are not applicable for cdma2000 systems.

Chapter 03: Definitions and abbreviations

There are no additions or exclusions.

Chapter 04: Call Control SCF

There are no additions or exclusions.

Chapter 05: The Service Interface Specifications

There are no additions or exclusions.

Chapter 06: Common Call Control Data Types

There are no additions or exclusions.

Annex A (normative): OMG IDL Description of Common Call Control Data Types

There are no additions or exclusions.

Annex B (informative): W3C WSDL Description of Common Call Control Data Types

There are no additions or exclusions.

<i>Annex C (informative): Java API Description of the Call Control SCFs</i>	1
There are no additions or exclusions.	2
<i>Annex D (informative): Change history</i>	3
There are no additions or exclusions.	4
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5.2 Open Service Access; Application Programming Interface:	9
Sub-part 2: Generic Call Control SCF	10
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(See [05])	11
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General Exceptions	14
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The term UMTS is not applicable for the cdma2000 family of standards. Nevertheless the term UMTS is used [01] mostly in the broader sense of “3G Wireless System”. If not stated otherwise there are no additions or exclusions required.	16
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CAMEL and CAP mappings are not applicable for cdma2000 systems.	21
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Specific Exceptions	24
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<i>Chapter 01: Scope</i>	26
There are no additions or exclusions.	27
	28
<i>Chapter 02: References</i>	29
Normative references on 3GPP TS 23.078 and on 3GPP TS 29.078 are not applicable for cdma2000 systems.	30
	31
<i>Chapter 03: Definitions and abbreviations</i>	32
There are no additions or exclusions.	33
	34
<i>Chapter 04: Generic Call Control Service Sequence Diagrams</i>	35
There are no additions or exclusions. Nevertheless, CAMEL and CAP mappings are not applicable for cdma2000 systems.	36
	37
<i>Chapter 05: Class Diagrams</i>	38
There are no additions or exclusions.	39
	40
<i>Chapter 06: Generic Call Control Service Interface Classes</i>	41
There are no additions or exclusions.	42
	43
<i>Chapter 07: Generic Call Control Service State Transition Diagrams</i>	44
There are no additions or exclusions.	45
	46
<i>Chapter 08: Generic Call Control Service Properties</i>	47
There are no additions or exclusions. Nevertheless, for cdma2000 systems the CAMEL data types and service properties are not applicable.	48
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1 *Chapter 09: Generic Call Control Data Definitions*

2 There are no additions or exclusions.

3
4 *Annex A (normative): OMG IDL Description of Generic Call Control SCF*

5 There are no additions or exclusions.

6
7 *Annex B (informative): W3C WSDL Description of Generic Call Control SCF*

8
9 There are no additions or exclusions.

10
11 *Annex C (informative): Java API Description of the Call Control SCFs*

12
13 There are no additions or exclusions.

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15 *Annex D (informative): Change history*

16
17 There are no additions or exclusions.

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19 **5.3 Open Service Access; Application Programming Interface:**
20 **Call Control Sub-part 3: Multi-Party Call Control SCF**
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22
23 (See [06])

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25 **General Exceptions**

26
27 The term UMTS is not applicable for the cdma2000 family of standards. Nevertheless the term UMTS
28 is used [01] mostly in the broader sense of “3G Wireless System”. If not stated otherwise there are no
29 additions or exclusions required.

30
31 CAMEL and CAP mappings are not applicable for cdma2000 systems.

32
33 **Specific Exceptions**

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35 *Chapter 01: Scope*

36
37 There are no additions or exclusions.

38
39 *Chapter 02: References*

40
41 Normative references on 3GPP TS 23.078 and on 3GPP TS 29.078 are not applicable for cdma2000
42 systems.

43
44 *Chapter 03: Definitions and abbreviations*

45
46 There are no additions or exclusions.

47
48 *Chapter 04: MultiParty Call Control Service Sequence Diagrams*

49
50 There are no additions or exclusions. Nevertheless, CAMEL and CAP mappings are not applicable for
51 cdma2000 systems.

52
53 *Chapter 05: Class Diagrams*

54
55 There are no additions or exclusions.

<i>Chapter 06: MultiParty Call Control Service Interface Classes</i>	1
There are no additions or exclusions.	2
<i>Chapter 07: MultiParty Call Control Service State Transition Diagrams</i>	3
There are no additions or exclusions.	4
<i>Chapter 08: Multi-Party Call Control Service Properties</i>	5
There are no additions or exclusions. Nevertheless, for cdma2000 systems the CAMEL data types and service properties are not applicable.	6
<i>Chapter 09: Multi-Party Call Control Data Definitions</i>	7
There are no additions or exclusions.	8
<i>Annex A (normative):OMG IDL Description of Multi-Party Call Control SCF</i>	9
There are no additions or exclusions.	10
<i>Annex B (informative): W3C WSDL Description of Multi-Party Call Control SCF</i>	11
There are no additions or exclusions.	12
<i>Annex C (informative): Java API Description of the Call Control SCFs</i>	13
There are no additions or exclusions.	14
<i>Annex D (informative): Change history</i>	15
There are no additions or exclusions.	16
5.4 Open Service Access; Application Programming Interface:	17
Sub-part 4: Multi-Media Call Control SCF	18
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(See [07])	19
General Exceptions	20
The term UMTS is not applicable for the cdma2000 family of standards. Nevertheless the term UMTS is used [01] mostly in the broader sense of “3G Wireless System”. If not stated otherwise there are no additions or exclusions required.	21
CAMEL and CAP mappings are not applicable for cdma2000 systems.	22
Specific Exceptions	23
<i>Chapter 01: Scope</i>	24
There are no additions or exclusions.	25
<i>Chapter 02: References</i>	26
Normative references on 3GPP TS 23.078 and on 3GPP TS 29.078 are not applicable for cdma2000 systems.	27
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1 *Chapter 03: Definitions and abbreviations*

2 There are no additions or exclusions.

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4 *Chapter 04: MultiMedia Call Control Service Sequence Diagrams*

5 There are no additions or exclusions.

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7 *Chapter 05: Class Diagrams*

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9 There are no additions or exclusions.

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11 *Chapter 06: MultiMedia Call Control Service Interface Classes*

12 There are no additions or exclusions.

13
14 *Chapter 07: MultiMedia Call Control Service State Transition Diagrams*

15 There are no additions or exclusions.

16
17 *Chapter 08: Multi-Media Call Control Data Definitions*

18 There are no additions or exclusions.

19
20 *Annex A (normative):OMG IDL Description of Multi-Media Call Control SCF*

21 There are no additions or exclusions.

22 *Annex B (informative): W3C WSDL Description of Multi-Media Call Control SCF*

23 There are no additions or exclusions.

24
25 *Annex C (informative): Java API Description of the Multi-Media Call Control SCF*

26 There are no additions or exclusions.

27
28 *Annex D (informative): Change history*

29 There are no additions or exclusions.

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6 Open Service Access; Application Programming Interface: Generic User Interaction SCF:

(See [08])

General Exceptions

The term UMTS is not applicable for the cdma2000 family of standards. Nevertheless the term UMTS is used [01] mostly in the broader sense of “3G Wireless System”. If not stated otherwise there are no additions or exclusions required.

CAMEL and CAP mappings are not applicable for cdma2000 systems.

Specific Exceptions

Chapter 01: Scope

There are no additions or exclusions.

Chapter 02: References

Normative references on 3GPP TS 23.078 and on 3GPP TS 29.078 are not applicable for cdma2000 systems.

Chapter 03: Definitions and abbreviations

There are no additions or exclusions.

Chapter 04: Generic and Call User Interaction SCF

There are no additions or exclusions.

Chapter 05: Sequence Diagrams

The sequence diagrams are included as implementation examples. Individual specifications for the sequences for Alarm Call, Call Barring 1, Network Controlled Notifications, Prepaid and Pre-Paid with Advice of Charge (AoC) have yet to be specified. In particular, there are specifications for Call Barring, Prepaid and Pre-Paid with AoC that are implemented in cdma2000 networks differently than shown in these sequence diagrams. These are for further study and are not part of this release. There are no additions or exclusions to this section except the Caveat stated above.

Chapter 06 Class Diagrams

There are no additions or exclusions.

Chapter 07: The Service Interface Specifications

There are no additions or exclusions.

Chapter 08: Generic User Interaction Interface Classes

There are no additions or exclusions.

1 *Chapter 09: State Transition Diagrams*

2 There are no additions or exclusions.

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4 *Chapter 10: Service Properties*

5 There are no additions or exclusions.

6
7 *Chapter 11: Data Definitions*

8
9 There are no additions or exclusions.

10
11 *Chapter 12: Exception Classes*

12 There are no additions or exclusions.

13
14 *Annex A (normative): OMG IDL Description of Generic User Interaction SCF*

15 There are no additions or exclusions.

16
17 *Annex B (informative): W3C WSDL Description of Generic User Interaction SCF*

18 There are no additions or exclusions.

19
20 *Annex C (informative): Java API Description of Generic User Interaction SCF*

21 There are no additions or exclusions.

22 *Annex D (informative): Change history*

23 There are no additions or exclusions.

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7 Open Service Access; Application Programming Interface: Mobility SCF

(See [09])

General Exceptions

The term UMTS is not applicable for the cdma2000 family of standards. Nevertheless the term UMTS is used [01] mostly in the broader sense of “3G Wireless System”. If not stated otherwise there are no additions or exclusions required.

CAMEL and CAP mappings are not applicable for cdma2000 systems.

Specific Exceptions

Chapter 01: Scope

There are no additions or exclusions.

Chapter 02: References

Normative references on 3GPP TS 23.078 and on 3GPP TS 29.078 are not applicable for cdma2000 systems.

Chapter 03: Definitions and abbreviations

There are no additions or exclusions.

Chapter 04: Mobility SCF

There are no exclusions. UL-User Location UMTS term may be mapped onto LCS-Location Services cdma2000 term. CAMEL is not applicable for cdma2000 systems.

Chapter 05: Sequence Diagrams

There are no additions. User Location Camel Sequence Diagrams are not applicable for cdma2000 systems.

Chapter 06 Class Diagrams

There are no additions. User Location Camel Class Diagrams are not applicable for cdma2000 systems.

Chapter 07: The Service Interface Specifications

There are no additions or exclusions.

Chapter 08: Mobility Interface Classes

There are no additions. User Location Camel Interface Classes are not applicable for cdma2000 systems

Chapter 09: State Transition Diagrams

Since CAMEL protocol is not applicable for cdma2000 systems, User Location Camel state transition diagrams are not applicable for cdma2000 systems.

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7 *Chapter 10: Service Properties*

8 Since CAMEL protocol is not applicable for cdma2000 systems, an SCS shall indicate support for the
9 CAMEL feature through service properties. For cdma2000 systems the service properties shall be
10 disabled (CAMEL shall be turned always off in the case of the 3GPP2 networks; e.g.:
11 UserLocationCamel shall be set to false).

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14 *Chapter 11: Data Definitions*

15 There are no additions. UserLocationCamel data definitions are not applicable for cdma2000 systems.

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18 *Chapter 12: Exception Classes*

19 There are no additions or exclusions.

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22 *Annex A (normative):OMG IDL Description of Mobility SCF*

23 There are no additions or exclusions.

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26 *Annex B (informative): W3C WSDL Description of Mobility SCF*

27 There are no additions or exclusions.

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30 *Annex C (informative): Java API Description of Mobility SCFs*

31 There are no additions or exclusions.

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34 *Annex D (informative): Change history*

35 There are no additions or exclusions.

8 Open Service Access; Application Programming Interface: Terminal Capabilities SCF

(See [10])

General Exceptions

The term UMTS is not applicable for the cdma2000 family of standards. Nevertheless the term UMTS is used [01] mostly in the broader sense of “3G Wireless System”. If not stated otherwise there are no additions or exclusions required.

CAMEL and CAP mappings are not applicable for cdma2000 systems.

Specific Exceptions

Chapter 01: Scope

There are no additions or exclusions.

Chapter 02: References

Normative references on 3GPP TS 23.078 and on 3GPP TS 29.078 are not applicable for cdma2000 systems.

Chapter 03: Definitions and abbreviations

There are no additions or exclusions.

Chapter 04: Terminal Capabilities SCF

There are no additions or exclusions.

Chapter 05: Sequence Diagrams

There are no additions or exclusions.

Chapter 06: Class Diagrams

There are no additions or exclusions.

Chapter 07: The Service Interface Specifications

There are no additions or exclusions.

Chapter 08: Terminal Capabilities Interface Classes

There are no additions or exclusions.

Chapter 09: State Transition Diagrams

There are no additions or exclusions.

Chapter 10: Service Properties

There are no additions or exclusions.

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7 *Chapter 11: Terminal Capabilities Data Definitions*

There are no exclusions. Additions for Data types for cdma2000 systems are for further study and are not part of this release. (E.g.: terminal Identity identifies the terminal. It may be a logical address known by the WAP Gateway/PushProxy or any other relevant network elements in cdma2000 network, i.e. HSS).

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11 *Chapter 12: Exception Classes*

There are no additions or exclusions.

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14 *Annex A (normative):OMG IDL Description of Terminal Capabilities SCF*

There are no additions or exclusions.

15
16
17 *Annex B (informative): W3C WSDL Description of Terminal Capabilities SCF*

There are no additions or exclusions.

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20 *Annex C (informative): Change history*

There are no additions or exclusions.

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9 Open Service Access; Application Programming Interface: Data Session Control SCF

(See [11])

General Exceptions

The term UMTS is not applicable for the cdma2000 family of standards. Nevertheless the term UMTS is used [01] mostly in the broader sense of “3G Wireless System”. If not stated otherwise there are no additions or exclusions required.

CAMEL and CAP mappings are not applicable for cdma2000 systems.

Specific Exceptions

Chapter 01: Scope

There are no additions or exclusions.

Chapter 02: References

Normative references on 3GPP TS 23.078 and on 3GPP TS 29.078 are not applicable for cdma2000 systems.

Chapter 03: Definitions and abbreviations

There are no additions or exclusions.

Chapter 04: Data Session Control SCF

There are no additions or exclusions. GPRS and PDP context are not applicable for cdma2000 systems.

Chapter 05: Sequence Diagrams

There are no additions or exclusions. GPRS and PDP context are not applicable for cdma2000 systems.

Chapter 06 Class Diagrams

There are no additions or exclusions. GPRS and PDP context are not applicable for cdma2000 systems.

Chapter 07: The Service Interface Specifications

There are no additions or exclusions. GPRS and PDP context are not applicable for cdma2000 systems.

Chapter 08: Data Session Control Interface Classes

There are no additions or exclusions. GPRS and PDP context are not applicable for cdma2000 systems.

1 *Chapter 09: State Transition Diagrams*

2 There are no additions or exclusions. GPRS and PDP context are not applicable for cdma2000
3 systems.

4
5 *Chapter 10: Data Session Control Service Properties*

6 There are no additions or exclusions. GPRS and PDP context are not applicable for cdma2000
7 systems.

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10 *Chapter 11: Data Definitions*

11 There are no additions or exclusions. GPRS and PDP context are not applicable for cdma2000
12 systems.

13
14 *Annex A (normative):OMG IDL Description of Data Session Control SCF*

15 There are no additions or exclusions.

16
17 *Annex B (informative): W3C WSDL Description of Data Session Control SCF*

18 There are no additions or exclusions.

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21 *Annex C (informative): Change history*

22 There are no additions or exclusions.
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10 Open Service Access; Application Programming Interface: Account Management SCF:

(See [12])

General Exceptions

The term UMTS is not applicable for the cdma2000 family of standards. Nevertheless the term UMTS is used [01] mostly in the broader sense of “3G Wireless System”. If not stated otherwise there are no additions or exclusions required.

CAMEL and CAP mappings are not applicable for cdma2000 systems.

Specific Exceptions

Chapter 01: Scope

There are no additions or exclusions.

Chapter 02: References

Normative references on 3GPP TS 23.078 and on 3GPP TS 29.078 are not applicable for cdma2000 systems.

Chapter 03: Definitions and abbreviations

There are no additions or exclusions.

Chapter 04: Account Management SCF

There are no additions or exclusions.

Chapter 05: Sequence Diagrams

There are no additions or exclusions.

Chapter 06: Class Diagrams

There are no additions or exclusions.

Chapter 07: The Service Interface Specifications

There are no additions or exclusions.

Chapter 08: Account Management Interface Classes

There are no additions or exclusions.

Chapter 09: State Transition Diagrams

There are no additions or exclusions.

Chapter 10: Account Management Service Properties

There are no additions or exclusions.

1 *Chapter 11: Data Definitions*

2 There are no additions or exclusions.

3
4 *Chapter 12: Exception Classes*

5 There are no additions or exclusions.

6
7 *Annex A (normative):OMG IDL Description of Account Management SCF*

8
9 There are no additions or exclusions.

10
11 *Annex B (informative): W3C WSDL Description of Account Management SCF*

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13 There are no additions or exclusions.

14
15 *Annex C (informative): Change history*

16 There are no additions or exclusions.

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11 Open Service Access; Application Programming Interface: Charging SCF:

(See [13])

General Exceptions

The term UMTS is not applicable for the cdma2000 family of standards. Nevertheless the term UMTS is used [01] mostly in the broader sense of “3G Wireless System”. If not stated otherwise there are no additions or exclusions required.

CAMEL and CAP mappings are not applicable for cdma2000 systems.

Specific Exceptions

Chapter 01: Scope

There are no additions or exclusions.

Chapter 02: References

Normative references on 3GPP TS 23.078 and on 3GPP TS 29.078 are not applicable for cdma2000 systems.

Chapter 03: Definitions and abbreviations

There are no additions or exclusions.

Chapter 04: Charging SCF

There are no additions or exclusions.

Chapter 05: Sequence Diagrams

There are no additions or exclusions.

Chapter 06: Class Diagrams

There are no additions or exclusions.

Chapter 07: The Service Interface Specifications

There are no additions or exclusions.

Chapter 08: Charging Interface Classes

There are no additions or exclusions.

Chapter 09: State Transition Diagrams

There are no additions or exclusions.

Chapter 10: Content Based Charging Service Properties

There are no additions or exclusions.

1 *Chapter 11: Data Definitions*

2 There are no additions or exclusions.

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4 *Chapter 12: Exception Classes*

5 There are no additions or exclusions.

6
7 *Annex A (normative):OMG IDL Description of Charging SCF*

8
9 There are no additions or exclusions.

10
11 *Annex B (informative): W3C WSDL Description of Charging SCF*

12 There are no additions or exclusions.

13
14 *Annex C (informative): Java API Description of the Charging SCF*

15 There are no additions or exclusions.

16
17 *Annex D (informative): Change history*

18 There are no additions or exclusions.

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12 Open Service Access; Application Programming Interface: Policy Management SCF

(See [14])

General Exceptions

The term UMTS is not applicable for the cdma2000 family of standards. Nevertheless the term UMTS is used [01] mostly in the broader sense of “3G Wireless System”. If not stated otherwise there are no additions or exclusions required.

CAMEL and CAP mappings are not applicable for cdma2000 systems.

Specific Exceptions

Chapter 01: Scope

There are no additions or exclusions.

Chapter 02: References

Normative references on 3GPP TS 23.078 and on 3GPP TS 29.078 are not applicable for cdma2000 systems.

Chapter 03: Definitions and abbreviations

There are no additions or exclusions.

Chapter 04: Policy Management SCF

There are no additions or exclusions.

Chapter 05: Sequence Diagrams

There are no additions or exclusions.

Chapter 06 Class Diagrams

There are no additions or exclusions.

Chapter 07: The Service Interface Specifications

There are no additions or exclusions.

Chapter 08: Policy Management Interface Classes

There are no additions or exclusions.

Chapter 09: State Transition Diagrams

There are no additions or exclusions.

Chapter 10: Data Definitions

There are no additions or exclusions.

Chapter 11: Policy Management Exception Classes

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There are no additions or exclusions.

Annex A (normative): OMG IDL Description of Policy Management SCF

There are no additions or exclusions.

Annex B (informative): Change history

There are no additions or exclusions.

13 Open Service Access; Application Programming Interface: Presence and Availability Management SCF

(See [15])

General Exceptions

The term UMTS is not applicable for the cdma2000 family of standards. Nevertheless the term UMTS is used [01] mostly in the broader sense of “3G Wireless System”. If not stated otherwise there are no additions or exclusions required.

CAMEL and CAP mappings are not applicable for cdma2000 systems.

Specific Exceptions

Chapter 01: Scope

There are no additions or exclusions.

Chapter 02: References

Normative references on 3GPP TS 23.078 and on 3GPP TS 29.078 are not applicable for cdma2000 systems.

Chapter 03: Definitions and abbreviations

There are no additions or exclusions.

Chapter 04: Presence and Availability Management SCF

There are no additions or exclusions.

Chapter 05: Sequence Diagrams

There are no additions or exclusions.

Chapter 06 Class Diagrams

There are no additions or exclusions.

Chapter 07: The Service Interface Specifications

There are no additions or exclusions.

Chapter 08: Presence and Availability Management Interface Classes

There are no additions or exclusions.

Chapter 09: State Transition Diagrams

There are no additions or exclusions.

Chapter 10: PAM Service Properties

There are no additions or exclusions.

1 *Chapter 11: PAM Data Definitions*

2 There are no additions or exclusions.

3
4 *Chapter 12: Presence and Availability Management Exception Classes*

5 There are no additions or exclusions.

6
7 *Annex A (normative):OMG IDL Description of Presence and Availability Management SCF*

8
9 There are no additions or exclusions.

10
11 *Annex B (informative): Java API Description of Presence and Availability Management SCF*

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13 There are no additions or exclusions.

14
15 *Annex C (informative): Change history*

16 There are no additions or exclusions.

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14 Multiparty Call Control - SIP Mapping

(See [16])

General Exceptions

The term UMTS is not applicable for the cdma2000 family of standards. Nevertheless the term UMTS is used [01] mostly in the broader sense of “3G Wireless System”. If not stated otherwise there are no additions or exclusions required.

CAMEL and CAP mappings are not applicable for cdma2000 systems.

Specific Exceptions

Chapter 01: Scope

There are no additions or exclusions.

Chapter 02: References

Normative references on 3GPP TS 23.078 and on 3GPP TS 29.078 are not applicable for cdma2000 systems.

Chapter 03: Definitions and abbreviations

There are no additions or exclusions.

Chapter 04: Mapping OSA Call and Call Leg to SIP

There are no additions or exclusions.

Chapter 05: Multi Party Call Control Flows

There are no additions or exclusions.

Chapter 06: Detailed parameter mappings

There are no additions or exclusions.

Annex A: Introduction to API Mapping for OSA MPCCS

There are no additions or exclusions.

Annex B: SDP in SIP at application controlled calls for OSA MPCCS API

There are no additions or exclusions.

Annex C: OSA call forwarding presentation

There are no additions or exclusions.

Annex D (informative): Change history

There are no additions or exclusions.