3GPP2 SC.R2005-003-0
Version 1.0
Date: December 10, 2009

System Release 5
Standardized Services and Features

Editor

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Revision History

Revision	Description of Changes	Date
v1.0	Initial Publication	December 10, 2009

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1. INTRODUCTION

The primary intended audience for this document is planning departments of wireless network operators, who may want to use it to identify features and services for potential deployment, study details of the feature or service by analyzing the standards, e.g. for the purpose of identifying any optional characteristics/behaviors allowed in the feature or service, and determine what related specifications, particularly underlying radio interface, RAN, and core network specs, are required for the service or feature to work. This can furthermore aid in the procurement phase, when inquiring vendor information about specific vendor products, analyzing cost information, and selecting vendors. The secondary intended audience is infrastructure manufacturers, who may use it for front end high level feature/service planning, and to facilitate communication in the marketing/sales activities with the operators, as described above. Similarly, mobile manufacturers may use it in a similar fashion.

Table 1 lists standardized services and features available on cdma2000 networks complying with System Release 5. This is a cumulative list of all features, including features in previous releases. The system release associated with each feature is identified parenthetically in column 1, e.g. (R5) for Release 5. In general, the table lists these services and features with the Work Item granularity, i.e. a single service or feature is defined in a work item. In some situations somewhat finer granularity is provided (e.g. two or more services or features are defined by a given Work Item).

Note that many wireless services are either:

> ➢ not standardized, or

> ➢ there are non-standard alternatives of a service which runs on cdma2000 platform, or

> ➢ services may be standardized by other organizations such as OMA.

Those services are not shown in the table. A good example is web browsing, a popular service that has not been standardized specifically for the cdma2000 system. Another example is Instant Messaging (IM). There are many IM applications developed by a number of vendors, typically requiring that vendor's client application be installed on a cdma2000 terminal. There are also standards that define interoperability protocols for IM services developed by diverse vendors (e.g. OMA defined IM standards).

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[1] [1]cdma2000® is a 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.

Unless otherwise noted, the following applies:

1. In principle, specification listed in support of a service or a feature is the earliest version in which the subject service or feature became available. An exception may be a requirements document (S.Rnnnn), which may have been revised prior to the development of technical specifications.

2. In general, the subject service or feature is available on subsequent revisions of a specification. In rare cases, when support of a service or feature is discontinued in a revision of a specification, this is indicated in the Comment column of the table.

3. Newer publications of test specifications supersede the previous publication, and include bug fixes found to those earlier documents. Therefore, the latest available test specification should be used to best ensure proper support of a particular feature (see Table 3).

4. Certain features/services have no standardization impact on a particular specification, in other words the feature is not mentioned in the specification, however the specification is necessary for the feature/service to run. For example, support for Mobile IP Version 6 (MIPv6) is transparent to the radio interface specifications (C.S series). This is indicated by listing the underlying specification, but indicating that the feature/service is transparent to it.

5. A test document is listed for a feature/service whenever such document specifically addresses compliance of the feature/service. If the test document broadly addresses many features/services, only parts of the document (e.g. sections relevant for the feature/service at hand) may be applicable. A-interface test specifications are good examples of such documents addressing compliance of many features/services.

6. For all specifications listed in the table, the applicable revision identifiers are listed (the earliest available revision pertinent to the specification). Version numbers are not listed, unless noted otherwise. Version numbers (within a given revision) are typically published to correct errors or omissions. Hence, the user of the feature/service table should identify the latest available version by referring to the 3GPP2 web-site http://www.3gpp2.org/Public_html/specs/index.cfm.

7. Notation C.S0001~6 refers to the set of radio interface specifications C.S0001 through C.S0006. Similar notation is used elsewhere to denote a sequential series of specifications or extensions.

8. C.R1001 (Administration of Parameter Value Assignments for cdma2000 Spread Spectrum Systems) is a Technical Report (TR) containing parameter values that are relevant in many services (e.g. Service Options). This TR is not generally listed for each service in this document. In exceptional situations it is listed, when it is important to point out a particular parameter. In such cases the revision letter of C.R1001 is not included. Reader should consult the latest published revision.

9. Cross reference of baseline RAN Specifications A.SNNNN-N to alternate designations used in TSG-A IOS Version N.N is provided in the following table:

3GPP2 RAN Specification Designation	TSG-A Common Identifier
A.S0001-0	IOS v4.0
A.S0001-A	IOS v4.1
A.S0011~17-0	IOS v4.2
A.S0011~17-A	IOS v4.3
A.S0011-17-B	IOS v4.3.1
A.S0011~17-C	IOS v5.0
A.S0011~17-D	IOS v5.1

1.1 Document Conventions

Revision letter (not version number) should be specified with each specification listed.

Insertion of hyperlinks pending. Hyperlinks point to the earliest revision of specification applicable for the given service, and latest version (point release) within that revision.

3GPP2 (not TIA) specifications are listed whenever possible. When not available, other specifications are permissible.

The specification documents usage:

Transparent - indicates the document does not contain explicit reference to the subject service or feature. However the service or feature will not be operational without the listed document(s).

Blank – support for the interface is not required for an end-to-end feature/service.

2. DEFINITIONS AND ABBREVIATIONS

The terms and abbreviations which are used within this document are defined as follows:

3GPP2	Third Generation Partnership Project 2
AAA	Authorization, Authentication, Accounting
BCMCS	Broadcast Multicast Service
CDMA	Code Division Multiple Access
EVRC	Enhanced Variable Rate Codec
DHCP	Dynamic Host Configuration Protocol
HRPD	High Rate Packet Data
IOS	Interoperability Specification

IOTA	Internet Over-The-Air
LLA ROHC	Link Layer Assisted Robust Header Compression
MMD	Multi-Media Domain
OTAPA	Over-the-Air Parameter Administration
OTASP	Over-the-Air Service Provisioning
PACA	Priority Access Channel Assignment
QoS	Quality of Service
RAN	Radio Access Network
RUIM	Removable User Identity Module
SMS	Short Message Service
TSG	Technical Specification Group
UICC	Universal Integrated Circuit Card

3. FEATURES AND SERVICES IN SYSTEM RELEASE 5 (SUBSCRIBER FEATURES)

3.1 System and Subscriber Features and Services

Table 1 System Subscriber Features and Services

Feature/Service Name	WI	TSG-S	TSG-C	TSG-A	TSG-X (N, P)	Comment
Advice of Charge		S.R0011-0 S.R0006-537-A	C.S0001~6-0: Transparent C.S0024-0: Transparent	A.S0001-0		
Always ON			C.S0001~6-0: Transparent C.S0024-0: Transparent	A.S0011~17-A A.S0008-0 (HRPD) A.S0007-A (HRPD)	X.S0011-B	Packet-switched only
Answer Hold		S.R0008-0	C.S0001~06: Transparent C.S0024-A: Transparent	A.S0001-0	N.S0022	Applies for Circuit-switched and VoIP
Broadcast SMS			C.S0015-0 C.S0001~6-0 C.S0044-0 C.S0061-0	A.S0001-0	X.S0004	
Call Delivery (CD)		S.R0006-501-A	C.S0001~6-0: Transparent C.S0024-A: Transparent	A.S0001-0	X.S0004-E	
Call Forwarding (busy, default, no answer, unconditional)		S.R0006-502~505-A	C.S0001~6-0: Transparent C.S0024-A: Transparent C.S0043-A, C.S0044-0 C.S0058-0	A.S0001-0	X.S0004-E	
Call Transfer		S.R0006-506-A	C.S0001~6-0: Transparent C.S0024-A: Transparent	A.S0001-0	X.S0004-E	
Call Waiting		S.R0006-507-A	C.S0001~6-0: Transparent C.S0024-A: Transparent C.S0044-0 C.S0058-0	A.S0001-0	X.S0004-E	

Feature/Service Name	WI	TSG-S	TSG-C	TSG-A	TSG-X (N, P)	Comment
Calling Name Presentation/Restriction (CNAP/CNAR)		S.R0006-526~527-A	C.S0001~6-0: Transparent C.S0024-A: Transparent C.S0043-A, C.S0044-0 C.S0058-0	A.S0001-0	X.S0004-E	
Calling Number Identity Presentation/Restriction (CNIP/CNIR)		S.R0006-508~509-A	C.S0001~6-0: Transparent C.S0024-A: Transparent C.S0044-0 C.S0058-0	A.S0001-0	X.S0004-E	
cdma2000 Application on UICC (R5)	00116	S.R0037-A, S.R0037-B	C.S0065-0			
Concurrent Service Support			C.S0001~6-A C.S0043-0 C.S0044-0 C.S0058-0	A.S0001-A	N.S0029	
Conference Calling		S.R0006-510-A	C.S0001~6-0: Transparent C.S0024-A: Transparent	A.S0001-0	X.S0004-E	
Data Service Continuity from HRPD to cdma2000 1X (R5)	00094	S.R0037-A, S.R0108-0	C.S0075-0, C.S0024-A: Transparent	A.S0008-A, A.S0009-A	X.S0004-630-E, X.S0004-641-E, X.S0042-0, X.S0048-0	
Do Not Disturb		S.R0006-511-A	C.S0001~6-0: Transparent C.S0024-A: Transparent	A.S0001-0	X.S0004-E	
Enhanced Call Recovery (R5)	00034		C.S0001~6-0: Transparent, C.S0024-A: Transparent	A.S0011~17-D		
Enhanced Message Service (R5)	00002	S.R0051-0	C.S0001~6-B	A.S0001: Transparent		
Enhanced Variable Rate Codec – Wideband over Circuit-Switched Network (R5)	00158		C.S0015-A, C.S0061-0,	A.S0014-D	X.S0011-D	Service option 70 is defined in C.R1001.

Feature/Service Name	WI	TSG-S	TSG-C	TSG-A	TSG-X (N, P)	Comment
Fast Call Set-Up (R5)	00041	S.R0065-0	C.R0014-C, C.S0014-C, C.R0018-C, C.S0018-C, C.S0063-0, C.S0024-A: Transparent	A.S0011~17-C	X.S0004-E	
Flexible Alerting		S.R0006-512-A	C.S0001~6-0	A.S0001-0	X.S0004-E	
Forward Link Performance Enhancements (R5)	TSGC-019		C.S0001~6-D			
Generic Bootstrapping Architecture (R4)	00104	S.S0109-0 S.R0112-0 S.S0114-0				
Global Emergency Call Origination (GECO)		S.R0013-0	C.S0001~6-A C.S0043-0 C.S0044-0	A.S0011~17-0		
HRPD Authentication for Hybrid Mobile Station / Access Terminal (HAT) using 1x UIM (R4)	00085	S.R0104-0	C.S0024-0: Transparent	A.S0006-0	X.S0004-0	
HRPD Performance Enhancements (R4)	00075 00109		C.S0024-B C.S0029-A C.S0032-A C.S0033-A C.S0038-A	A.S0008-A A.S0009-A		
HRPD Supplemental Services Update (R4)	00135		C.S0063-A			
IMS Conferencing (R5)	00082				X.S0029-0	
Intermediate Messaging (R4)	00030	S.R0061-0	C.S0001~6-0: Transparent C.S0024-0: Transparent	A.S0001-0: Transparent	X.S0013-0	

Feature/Service Name	WI	TSG-S	TSG-C	TSG-A	TSG-X (N, P)	Comment
Internet Over-the-Air Handset Configuration Management (IOTA) (R4)	00044	S.R0073-0	C.S0024-0: Transparent C.S0001~6-0: Transparent C.S0040-0	A.S0001-0: Transparent		
IOTA Device Management (IOTA-DM) (R5)	00074	S.R0095-0	C.S0069-0, C.S0073-0, C.S0074-0	A.S0001-0: Transparent	X.S0013-B	OMA specs are referenced in his feature.
IP Broadcast and IP Multicast (R5)	2000-002	S.R0030-0, S.R0030-A, S.R0037-A, S.S0083-A	C.S0002-D, C.S0003-D, C.S0005-D, C.S0023-C, C.S0054-A	A.S0019-A	X.S0022-A	
LCS Authentication/Privacy/Security and Enhancements (R4)	00016				X.S0002-0	
ME Personalization			C.S0068-0			
Location Services (R5)	00022	S.R0066-0, S.R0110-0	C.S0022-A, C.S0036-0	A.S0001-0: Transparent	X.S0024-0	
Message Waiting Notification (R4)	00089	S.R0006-513-A	C.S0043-0 C.S0044-0 C.S0058-0	A.S0001-0	X.S0004-E X.S0030-0	
Multimedia Streaming Service (R4)	00055	S.R0021-0	C.S0046-0	A.S0001-0: Transparent		
MMD Roaming (R5)	00171				X.R0052-0	
Multi-Media Messaging Service (R5)	00078 00078A	S.R0064-A	C.S0045-0 C.S0045-A		X.S0016-0 X.S0016-A	
Multi-Carrier Support for EV-DO (NxEV-DO) (R4)	00092		C.S00024-B			
Network Enhancement to Support CDMA SIM Roaming to GSM (R4)	00011				X.S0003-0 v1.0 X.S0023-B v1.0 X.S0034-0 v1.0	

Feature/Service Name	WI	TSG-S	TSG-C	TSG-A	TSG-X (N, P)	Comment
Packet Switched Video Telephony (a.k.a., Multimedia Conversational Services) (R5)	00090	S.R0106-0	C.S0024-A: Transparent, C.S0055-0	A.S0008-A, A.S0009-A	X.R0039-0, X.S0011-D	
Packet Switched Video Telephony (a.k.a., Multimedia Conversational Services) over IMS (R5)	00090	S.R0106-0, S.R0086-A	C.S0055-0	A.S0008-A, A.S0009-A	X.R0039-0, X.S0011-D, X.S0013- 002-A, X.S0013- 004-A	
Password Call Acceptance		S.R0006-515-A	C.S0001~6-0: Transparent C.S0024-0: Transparent	A.S0001-0	X.S0004-E	
Priority Access Channel Assignment (PACA)		S.R0006-517-A	C.S0001~6-0	A.S0001-0	X.S0004-E	
Personal Mobility		S.R0027-0	C.S0001~6-0: Transparent C.S0024-0: Transparent	A.S0001-0		
Plus Code Dialing			C.S0001~6-C	A.S0001-0: Transparent	N.S0027	
Asynchronous Data and Fax Services (R4)	00112		C.S0001~6-0: Transparent C.S0017-010-A	A.S0001-0: Transparent		
Preferred Language		S.R0006-516-A	C.S0001~6-0: Transparent	A.S0001-0	TIA-664	
Rejection of Undesired Annoying Calls		S.R0012-0	C.S000~6-0: Transparent C.S0024-A: Transparent	A.S0001-0: Transparent		
Presence Service (R5)	00031	S.R0062-0			X.S0027-000-A	
Press-to-Talk Over Cellular (PoC) (R5)	00076	S.R0100-0				Stage 2 and 3 development by OMA.
Remote Feature Control		S.R0006-518-A	C.S0001~6-0: Transparent	A.S0001-0	TIA-664.518	TSG-X: Need to determine revisions of IS-41.

Feature/Service Name	WI	TSG-S	TSG-C	TSG-A	TSG-X (N, P)	Comment
Reverse Link Performance Enhancements (R5)	TSGC-014		C.S0001~6-C, C.S0002-D, C.S0003-D, C.S0005-D, C.S0010-C, C.S0011-C, C.S0024-B, C.S0044-A			
R-UIM (R4)	00023 00054	S.R0060-0	C.S0001~6-0: Transparent C.S0024-A: Transparent C.S0023-C v1.0 C.S0041-0 C.S0048-0 C.S0049-0 C.S0068-0	A.S0001-0: Transparent	N.S0003	
Selective Call Acceptance		S.R0006-519-A	C.S0001~6	A.S0001-0	X.S0004-E	
Selectable Mode Vocoder (SMV) (R4)	00068		C.R0030-0 C.R0034-0 C.S0030-0 C.S0034-0	A.S0011~17-A		
Session Based Multimedia Services (R5)	00027 00027-A 00027-B	S.R0058-0, S.R0086-A, S.S0086-B	C.S0024-A	A.S0008-A A.S0009-A	X.S0013-0, X.S0013-A, X.S0013-B	Renamed from SRG Service name - "IP Multimedia Domain (MMD)"
Short Messaging Service (SMS) (R4)			C.S0015-A C.S0001~6-0: Transparent C.S0061-0	A.S0001-0: Transparent	X.S0004-641-E	
Short Message Service (SMS) Enhancements (R5)	TSGC-038		C.S0015-B C.S0001~6-0: Transparent	A.S0001-0: Transparent		

Feature/Service Name	WI	TSG-S	TSG-C	TSG-A	TSG-X (N, P)	Comment
SIM Card Support (R5)	00132 00164 00169		C.S0078-0, C.S0079-0, C.S0035-A			SRG Feature names: R-UIM Remote Management; Version update for CDMA Card Application Toolkit (CCAT) Specification; New revision of CDMA Card Application Toolkit (CCAT) Specification
SMS over IMS on HRPD (R5)	00094	S.R0037-A, S.R0108-0	C.S0075-0	A.S0008-A, A.S0009-A	X.S0004-641-E, X.S0048-0	
Support for ISIM on UICC in 3GPP2 Systems (R5)	00073	S.R0095-0,	C.S0069-0, C.S0073-0, C.S0074-0	A.S0001-0: Transparent	X.S0013-B	
Tiered Service				A.S0011~17-0		
Three-way Calling		S.R0006-522-A	C.S0001~6-0: Transparent C.S0024-A: Transparent C.S0044-0 C.S0058-0	A.S0001-0	X.S0004-E	
User Selective Call Forwarding		S.R0007-0	C.S0001~6-0: Transparent C.S0024-A: Transparent	A.S0001-0	N.S0021-0	
Video Conferencing (Circuit-Switched)		S.R0022-0	C.S0042-0 C.S0001~6-0: Transparent	A.S0001-0: Transparent		
Voice Continuity between cdma2000 1X and HRPD (R5)	00094 00165	S.R0037-B, S.R0108-0	C.S0082-0, C.S0001~6-0: Transparent	A.S0008-B, A.S0009-B	X.S0004-630-E, X.S0042-0	
Voice Service with improved Voice Quality and System Capacity (R5)	00131 TSGC-061		C.R0014-B, C.S0014-B, C.R0018-B, C.S0018-B	A.S0014-D: Transparent		SRG WI title: "Vocoder Enhancements for Voice Quality and System Capacity Improvements".
Voice Message Retrieval		S.R0006-523-A	C.S0001~6-0: Transparent C.S0024-A: Transparent	A.S0001-0	X.S0004-E	

Feature/Service Name	WI	TSG-S	TSG-C	TSG-A	TSG-X (N, P)	Comment
VoIP Phase II (R4)	00067-A		C.S0024-A C.S0063-0	A.S0008-B A.S0009-B	X.R0039-0	
Voice Privacy		S.R0006-524-A	C.S0043-0 C.S0044-0 C.S0058-0	A.S0001-0	X.S0004-E	
Voice Services – Circuit (R4)	00127		C.S0001~6-C C.S0076-0	A.S0001-0		
Wideband Speech Codec VMR-WB (R4)	00045	S.R0080-0	C.S0052-A C.S0053-A	A.S0011-17-C		
Wireless Local Loop		S.R0024-0	C.S0001~6-0			
Wireless Pay Phone		S.R0025-0				
WIN Location Based Services – Phase III (R4)	00021				X.S0009-0	
Pre-Paid Service (R4)	00014	S.R0018-0 v1.0	C.S0001~6-0: Transparent	A.S0001-0: Transparent	X.S0010-A v1.0 N.S0018-0, X.P0010	
WLAN Interworking (Scenarios 1 and 2) (R4)	00062	S.R0087-0			X.P0028-A	

3.2 System Capabilities and Other Features and Services

Table 2 System Capabilities and Other Features and Services

Feature/Service Name	WI	TSG-S	TSG-C	TSG-A	TSG-X (N, P)	Comment
1xEV-DV Capabilities (R5)	00051	S.R0026-0,	C.S000(1~6)-D, C.S0010-C, C.S0011-C, C.S0043-0, C.S0044-0	A.S0011~17-B	X.S0011-D	
800 MHz Band Class Updates for Japan (R4)	00113 00143		C.S0057-B C.S0057-B			
Access Control Based on Call Type		S.R0029-0	C.S0001~6-A	A.S0011~17-A		Circuit-switched only
Accounting (R4)	00046			A.S0001-0	X.S0014-F	
Adding UMB Security Algorithms to S.S0078-B (R5)	00193	S.S0078-B				
CDMA Packet Data Services, Phase 1 - Revision A (R5)	0009-A				X.S0001-A	Key new features in rev A are QoS support and Simultaneous voice and data.
Circuit Services Notification Application (CSNA)			C.S0024-A	A.S0008-A A.S0009-A		
Common Security Algorithms (R5)	00048	S.S0055-A, S.S0078-A	C.S000(1~6)-C	A.S0013-C,		

Feature/Service Name	WI	TSG-S	TSG-C	TSG-A	TSG-X (N, P)	Comment
Cross Connectivity				A.S0008-B A.S0009-B		Resources sharing between Access Networks (a source AN uses the radio resources of a target AN to support an active session)
Data Services on cdma2000 1x (R4)	00136		C.S0001~6-0 C.S0017-012-A	A.S0001-0 A.S0008-A A.S0009-A		Original WI title "Update to Data Service Option for Spread Spectrum Systems: Service Options 33 and 66"
End-to-End QoS (R5)	00050	S.R0079-0	C.S0002-D, C.S0063-A	A.S0008-A, A.S0009-A	X.S0011-D	
Enhanced cdma2000 Air Interface (R5)	00159	S.R0113-0, S.R0124-0	C.R1012-0, C.S0084-0	A.S0020-0,	X.S0054-0	
Enhanced Packet Data Air Interface Security (R5)	00043	S.R0082-0	C.S0039-0,	A.S0020-0		
Enhancements to Roamer Database Verifications (R4)	00018-A				X.S00021-B	
Enhanced Security Services for HRPD (R4)	00025-HRPD	S.S0078-A	C.S0022-A C.S0039-0		X.S0006-0	
Enhanced Security Services (R5)	00025	S.S0078-A	C.S0022-A, C.S0039-0	A.S0011-17-D,	X.S0006-0	
File and Media Format for Multimedia Services (R4)	00047	S.R0074-0	C.S0050-A			
File Format for Multimedia Services Phase II (R5)	00186 TSGC-100		C.S0050-B			

Feature/Service Name	WI	TSG-S	TSG-C	TSG-A	TSG-X (N, P)	Comment
Generic Bootstrapping Architecture (GBA) (R5)	00104 00104-A 00166	S.R0112-0, S.S0109-A, S.S0114-A				
Graceful Recovery when Segmentation & Reassembly is not Available (GR) (R5)	00095				X.S0004-691-E	
HRPD/1x Cross Paging (R5)				A.S0008-A, A.S0009-A		Ability to page for cdma2000 1X services when mobile is on HRPD and vice versa.
IMS to ISUP Interworking (R5)	00105				X.S0050-0	
Legacy MS Domain (LMSD) Step 1 (R4)	00026-A	S.R0059-0	C.S0001~6-0: Transparent C.S0024-0: Transparent	A.S0001-0: Transparent	X.S0012-0 X.S0018-0	
Legacy MS D (LMSD) Step 2 (R4)	00071	S.R0025-0 S.R0092-0	C.S0001~6-0: Transparent C.S0024-0: Transparent	A.S0011~17-C	X.S0025-0	
Link Layer Assisted Robust IP Header Compression		S.R0069-0	C.S0047-0	A.S0011~17-A	X.S0011-C	Original WI name is "SO60/SO61 (LLA ROHC)"
MEID (3G Mobile Equipment Identifier Enhancements) (R4)	00059 00040	S.R0048-A	1x: C.S0072-0 C.S0073-0 C.S0001~6-D HRPD: C.S0024-0 (see note) C.S0004-D C.S0005-D C.S0016-C C.S0066-0	A.S0011~17-C	X.S0008-0 X.S0033-0	Hardware record type for MEID was added in C.S0024-A Addendum 2. Since HRPD can apply protocol types retroactively, MEID can be used with C.S0024-0 as well.

Feature/Service Name	WI	TSG-S	TSG-C	TSG-A	TSG-X (N, P)	Comment
MEID for Pre Rev D cdma2000 (R5)	00117		C.S0004-D, C.S0005-D, C.S0044-A, C.S0072-0, C.S0073-0	A.S0011~17-C ,	X.S0008-0, X.S0033-0	
MIPv4 Support			C.S0001~6-0: Transparent C.S0024-0: Transparent	A.S0001-0: Transparent	X.S0011-B	
Mobile Access Hunting		S.R0006-514-A	C.S0001~6-0	A.S0001-0	X.S0004-E	
Multi RLP Support (R5)				A.S0008-A, A.S0009-A		
OAM&P for cdma2000 (R5)	TSGS-003	S.S0028-C				
Packet Data Access Network Evolution (PDANE) (R5)	00145	S.R0121-0, S.R0124-0,		A.S0020-0,	X.S0054-000-0	
Packet Data Surveillance – All IP (R4)	00033	S.R0072-0				Please refer to the appropriate national standards for support of this feature.
Packet Date Surveillance Circuit-Switched System (R4)	00032	S.R0071-0				Please refer to the appropriate national standards for support of this feature. Original WI name is "Packet Data Surveillance - Legacy System"
Policy for Tx and Ty Interfaces (R5)	00060	S.R0037-A			X.S0013-B	
Preferred Cryptographic Profiles (R5)	00163	S.R0122-0				
Revision of Parameter Value Assignments (R5)	00138		C.R1001-F			

Feature/Service Name	WI	TSG-S	TSG-C	TSG-A	TSG-X (N, P)	Comment
Security Framework for Data Services via HRPD (R5)	00058	S.R0082-0	C.S0024-B, C.S0039-0, C.S0054-0	A.S0008-B, A.S0009-B		
Tandem Free Operation		S.R0014-0		A.S0004-0		
Telephone Number Mapping Support (ENUM) (R5)	00087	S.R0118-0				
Transcoder-Free Operation (TrFO) (R4)	00072	S.R0096-0		A.S0011~17-C	X.S0025-0	
Tunneling Support for Simple IP (R4)	00103		C.S0001~6-0: Transparent C.S0024-0: Transparent	A.S0001-0: Transparent	X.P0037-0	
Version update for Enhanced Cryptographic Algorithms and Common Security Algorithms Specifications (R5)	00162	S.S0055-A, S.S0078-A				
Voice Over IP (VoIP) — Phase II (R5)	00067-A 00183	S.R0058-0, S.R0075-0, S.R0079-0, S.R0086-A, S.S0086-B	C.S0002-D, C.S0024-B, C.S0063-0, C.S0085-0	A.S0008-B, A.S0009-B, A.S0011~17-D	X.R0039-0, X.S0013-A	

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3.3   Test Specifications

See note 3 in the Introduction regarding use of most recent publication of a test specification.

Table 3 Test Specifications

Feature/Service Name	WI	TSG-S	TSG-C	TSG-A	TSG-X (N, P)	Comment
Access Network Minimum Performance Standard to support HRPD Rev. B and BCMCS Rev A access networks (R5)	00149		C.S0032-A			
Access Terminal Minimum Performance Standard to support HRPD Rev. B and BCMCS Rev A access terminals (R5)	00150		C.S0033-A			
Alteration to CDMA2000 BS Spurious Emission Minimum Performance Specification (MPS)	**00139**		C.S0001~6 C.S0010			**Applies to all earlier revisions of C.S0001~6 starting with Revision 0.**
Alteration to CDMA2000 MS Spurious Emission Minimum Performance Specification (MPS)	**00140**		C.S0001~6 C.S0011			**Applies to all earlier revisions of C.S0001~6 starting with Revision 0.**
Interoperability test specification for cdma2000 OTA			C.S0058			
Interoperability test specification for cdma2000 OTASP			C.S0060			
Alterations to cdma2000 HRPD AN Spurious Emission Minimum Performance Specifications (MPS) (R5)	00141		C.S0032-A			
Alterations to cdma2000 HRPD AT Spurious Emission Minimum Performance Specifications (MPS) (R5)	00142		C.S0033-A			
Guidelines for Evaluating the Quality of VoIP over HRPD Rev A (R5)	00129		C.R1008-0, C.R1009-0			

Feature/Service Name	WI	TSG-S	TSG-C	TSG-A	TSG-X (N, P)	Comment
Interoperability test specification for cdma2000 Air Interface – Rev A (R5)	00120		C.S0044-A			
Interoperability test specification for cdma2000 OTASP (R5)			C.S0060-0			
Markov Service Option (MSO) Point release to Clarify "E" synchronization Parameter Definition and Address Bugs	**00148**		**C.S0025**			
Multimedia Services Evaluation Methodology (R5)	TSGC-072		C.R1008-0, C.R1009-0			
Over the Air Interoperability Specification for cdma2000 Air Interface (R5)	00175		C.S0058-A			
Point Release to C.S0049-0 (R-UIM Conformance)	**00121**		**C.S0049**			
Revision B of Test Application Specification for HRPD Rev. B and BCMCS Rev. A. (R5)	00151		C.S0029-B			
Signaling Conformance Specification for cdma2000 Air Interface			**C.S0043-A**			
Signaling Conformance Specification for cdma2000 HRPD Revision A (R5)	00146-A 00174		C.S0038-A			
Signaling Conformance Test Specification for cdma2000 Position Determination Services			**C.S0059**			
Signaling Conformance Specification for cdma2000 SMS			**C.S0061**			
Signaling Conformance Specification for cdma2000 High Rate Packet Data Supplemental Services (R5)	00146		C.S0081-0			
Signaling Conformance Test Specification for Data Services (R5)	TSGC-032		C.S0062-0			

Feature/Service Name	WI	TSG-S	TSG-C	TSG-A	TSG-X (N, P)	Comment
Signaling Conformance Specification for Wireless IP			**C.S0037**			
Simulation Methodology for Multimedia Services (R5)	00147		**C.R1008-0, C.R1009-0**			
Signaling Conformance Specification for Ultra Mobile Broadband Air Interface			**C.S0091**			
Signaling Test Specification for Mobile Station Equipment Identifier (MEID) Support for cdma2000 Spread Spectrum Systems - Rev A (R5)	200		C.S0073-A			
Signaling Conformance Test Specification for Interworking of cdma2000 1x and High Rate Packet Data Systems	**00094**		**C.S0094**			
Standardized cdma2000 Performance Measurement Types (R5)	00061	S.S0093-0				

4. DOCUMENT REFERENCES

Please note the following list identifies all documents reference in this document. For a complete list of published specifications refer to System Release Guides.

Table 4 Reference Specifications

Document #	Document Name
A.S0001-0	3GPP2 Access Network Interfaces Interoperability Specification (3G-IOS v4.0.1)
A.S0001-A	3GPP2 Access Network Interfaces Interoperability Specification (3G-IOS v4.0.1) Release A Revision 0
A.S0004-0	3GPP2 Tandem Free Operation - Release A
A.S0006-0	Interoperability Specification (IOS) for Hybrid Mobile Station/Access Terminal (HAT) Authentication, Using the CAVE Algorithm
A.S0007-A	Interoperability Specification (IOS) for High Rate Packet Data (HRPD) Access Network Interfaces - Rev A
A.S0008-0	Interoperability Specification (IOS) for High Rate Packet Data (HRPD) Access Network Interfaces
A.S0008-A	Interoperability Specification (IOS) for High Rate Packet Data (HRPD) Radio Access Network Interfaces With Session Control in the Access Network
A.S0008-B	Interoperability Specification (IOS) for High Rate Packet Data (HRPD) Radio Access Network Interfaces with Session Control in the Access Network
A.S0009-A	Interoperability Specification (IOS) for High Rate Packet Data (HRPD) Radio Access Network Interfaces with Session Control in the Packet Control Function
A.S0009-B	Interoperability Specification (IOS) for High Rate Packet Data (HRPD) Radio Access Network Interfaces with Session Control in the Packet Control Function
A.S0011-0	Interoperability Specification (IOS) for CDMA 2000 Access Network Interfaces - Part 1 Overview
A.S0011-A	Interoperability Specification (IOS) for cdma2000 Access Network Interfaces - Part 1 Overview
A.S0011-B	Interoperability Specification (IOS) for cdma2000 Access Network Interfaces - Part 1 Overview
A.S0011-C	Interoperability Specification (IOS) for cdma2000 Access Network Interfaces - Part 1 Overview (IOS v5.0)
A.S0011-D	Interoperability Specification (IOS) for cdma2000 Access Network Interfaces - Part 1 Overview (IOS v5.0)

Document #	Document Name
A.S0012-0	Interoperability Specification (IOS) for CDMA 2000 Access Network Interfaces - Part 2 Transport
A.S0012-A	Interoperability Specification (IOS) for cdma2000 Access Network Interfaces - Part 2 Transport
A.S0012-B	Interoperability Specification (IOS) for cdma2000 Access Network Interfaces - Part 2 Transport
A.S0012-C	Interoperability Specification (IOS) for cdma2000 Access Network Interfaces - Part 2 Transport
A.S0012-D	Interoperability Specification (IOS) for cdma2000 Access Network Interfaces - Part 2 Transport
A.S0013-0	Interoperability Specification (IOS) for CDMA 2000 Access Network Interfaces - Part 3 Features
A.S0013-A	Interoperability Specification (IOS) for cdma2000 Access Network Interfaces - Part 3 Features
A.S0013-B	Interoperability Specification (IOS) for cdma2000 Access Network Interfaces - Part 3 Features
A.S0013-C	Interoperability Specification (IOS) for cdma2000 Access Network Interfaces - Part 3 Features (IOS v5.0.1)
A.S0013-D	Interoperability Specification (IOS) for cdma2000 Access Network Interfaces - Part 3 Features (IOS v5.0.1)
A.S0014-0	Interoperability Specification (IOS) for CDMA 2000 Access Network Interfaces - Part 4 (A1, A2 and A5 Interfaces)
A.S0014-A	Interoperability Specification (IOS) for cdma2000 Access Network Interfaces - Part 4 (A1, A2 and A5 Interfaces)
A.S0014-B	Interoperability Specification (IOS) for cdma2000 Access Network Interfaces - Part 4 (A1, A2 and A5 Interfaces)
A.S0014-C	Interoperability Specification (IOS) for cdma2000 Access Network Interfaces - Part 4 (A1, A1p, A2 and A5 Interfaces)
A.S0014-D	Interoperability Specification (IOS) for cdma2000 Access Network Interfaces - Part 4 (A1, A1p, A2 and A5 Interfaces)
A.S0015-0	Interoperability Specification (IOS) for CDMA 2000 Access Network Interfaces - Part 5 (A3 and A7 Interfaces)
A.S0015-A	Interoperability Specification (IOS) for cdma2000 Access Network Interfaces - Part 5 (A3 and A7 Interfaces)
A.S0015-B	Interoperability Specification (IOS) for cdma2000 Access Network Interfaces - Part 5 (A3 and A7 Interfaces)

Document #	Document Name
A.S0015-C	Interoperability Specification (IOS) for cdma2000 Access Network Interfaces - Part 5 (A3 and A7 Interfaces) (IOS v5.0)
A.S0015-D	Interoperability Specification (IOS) for cdma2000 Access Network Interfaces - Part 5 (A3 and A7 Interfaces) (IOS v5.0)
A.S0016-0	Interoperability Specification (IOS) for CDMA 2000 Access Network Interfaces - Part 6 (A8 and A9 Interfaces)
A.S0016-A	Interoperability Specification (IOS) for cdma2000 Access Network Interfaces - Part 6 (A8 and A9 Interfaces)
A.S0016-B	Interoperability Specification (IOS) for cdma2000 Access Network Interfaces - Part 6 (A8 and A9 Interfaces)
A.S0016-C	Interoperability Specification (IOS) for cdma2000 Access Network Interfaces - Part 6 (A8 and A9 Interfaces)
A.S0016-D	Interoperability Specification (IOS) for cdma2000 Access Network Interfaces - Part 6 (A8 and A9 Interfaces)
A.S0017-0	Interoperability Specification (IOS) for CDMA 2000 Access Network Interfaces - Part 7 (A10 and A11 Interfaces)
A.S0017-A	Interoperability Specification (IOS) for cdma2000 Access Network Interfaces - Part 7 (A10 and A11 Interfaces)
A.S0017-B	Interoperability Specification (IOS) for cdma2000 Access Network Interfaces - Part 7 (A10 and A11 Interfaces)
A.S0017-C	Interoperability Specification (IOS) for cdma2000 Access Network Interfaces - Part 7 (A10 and A11 Interfaces)
A.S0017-D	Interoperability Specification (IOS) for cdma2000 Access Network Interfaces - Part 7 (A10 and A11 Interfaces)
A.S0019-A	Interoperability Specification (IOS) for Broadcast Multicast Services (BCMCS)
A.S0020-0	Interoperability Specification (IOS) for Ultra Mobile Broadband (UMB) Radio Access Network Interfaces
C.R0014-B	Software Distribution for Enhanced Variable Rate Codec (EVRC), Speech Service Options 3 and 68, Specification
C.R0014-C	Software Distribution for Enhanced Variable Rate Codec (EVRC), Speech Service Options 3, 68, and 70, Specification
C.R0018-B	Software Distribution for Enhanced Variable Rate Codec (EVRC), Speech Service Options 3 and 68, Minimum Performance Specification
C.R0018-C	Software Distribution for Enhanced Variable Rate Codec (EVRC), Speech Service Options 3, 68, and 70, Minimum Performance Specification

Document #	Document Name
C.R0030-0	Software Distribution for Selectable Mode Vocoder (SMV), Service Option 56, Specification
C.R0034-0	Software Distribution for Selectable Mode Vocoder (SMV), Service Option 56, Minimum Performance Specification (MPS)
C.R1001-F	Administration of Parameter Value Assignments for cdma2000 Spread Spectrum Standards
C.R1008-0	Multimedia Services Evaluation Methodology
C.R1009-0	cdma2000 Multimedia Services Evaluation Methodology
C.R1012-0	Ultra Mobile Broadband (UMB) Performance Analysis
C.S0001-0	Introduction to cdma2000 Standards for Spread Spectrum Systems
C.S0001-A	Introduction to cdma2000 Standards for Spread Spectrum Systems - Release A
C.S0001-C	Introduction to cdma2000 Standards for Spread Spectrum Systems - Release C
C.S0001-D	Introduction to cdma2000 Standards for Spread Spectrum Systems - Release C
C.S0002-0	Physical Layer Standard for cdma2000 Spread Spectrum Systems
C.S0002-A	Physical Layer Standard for cdma2000 Spread Spectrum Systems - Release A
C.S0002-C	Physical Layer Standard for cdma2000 Spread Spectrum Systems - Release C
C.S0002-D	Physical Layer Signaling Standard for cdma2000 for Spread Spectrum Systems
C.S0003-0	Medium Access Control (MAC) Standard for cdma2000 Spread Spectrum Systems - Release 0
C.S0003-A	Medium Access Control (MAC) Standard for cdma2000 Spread Spectrum Systems - Release A
C.S0003-C	Medium Access Control (MAC) Standard for cdma2000 Spread Spectrum Systems
C.S0003-D	Medium Access Control (MAC) Standard for cdma2000 Spread Spectrum Systems
C.S0004-0	Signaling Link Access Control (LAC) Specification for cdma2000 Spread Spectrum Systems - Release 0
C.S0004-A	Signaling Link Access Control (LAC) Specification for cdma2000 Spread Spectrum Systems - Release A
C.S0004-C	Signaling Link Access Control (LAC) Standard for cdma2000 Spread Spectrum System - Release C
C.S0004-D	Signaling Link Access Control (LAC) Standard for cdma2000 Spread Spectrum Systems

Document #	Document Name
C.S0005-0	Upper Layer (Layer 3) Signaling Standard for cdma2000 Spread Spectrum Systems - Release 0
C.S0005-A	Upper Layer (Layer 3) Signaling Standard for cdma2000 Spread Spectrum Systems - Release A
C.S0005-C	Upper Layer (Layer 3) Signaling Standard for cdma2000 Spread Spectrum Systems - Release C
C.S0005-D	Upper Layer (Layer 3) Signaling Standard for cdma2000 Spread Spectrum Systems - Release C
C.S0006-0	Analog Signaling Standard for cdma2000 Spread Spectrum Systems - Release 0
C.S0006-A	Analog Signaling Standard for cdma2000 Spread Spectrum Systems - Release A
C.S0006-C	Analog Signaling Standard for cdma2000 Spread Spectrum Systems
C.S0006-D	Analog Signaling Standard for cdma2000 Spread Spectrum Systems
C.S0010-C	Recommended Minimum Performance Standards for cdma2000 Spread Spectrum Base Stations
C.S0011-C	Recommended Minimum Performance Standards for cdma2000 Spread Spectrum Mobile Stations
C.S0014-B	Enhanced Variable Rate Codec, Speech Service Option 3 for Wideband Spread Spectrum Digital Systems - Revision B
C.S0014-C	EVRC, Speech Service Options 3, 68, and 70 for Wideband Spread Spectrum Digital Systems
C.S0015-0	Short Message Service
C.S0015-A	Short Message Service (SMS) For Wideband Spread Spectrum Systems - Release A
C.S0015-B	Short Message Service (SMS) For Wideband Spread Spectrum Systems - Release B
C.S0016-C	Over-the-Air Service Provisioning of Mobile Stations in Spread Spectrum Systems
C.S0017-010-A	Data Services - Radio Link Protocol
C.S0017-012-A	Data Service Options for Spread Spectrum Systems: Service Options 33 and 66
C.S0018-B	Minimum Performance Specification for the Enhanced Variable Rate Codec, Speech Service Options 3 and 68 for Wideband Spread Spectrum Digital Systems
C.S0018-C	Software Distribution for Enhanced Variable Rate Codec (EVRC), Speech Service Options 3, 68, and 70, Specification
C.S0022-A	Position Determination Service for Dual Mode Spread Spectrum Systems

Document #	Document Name
C.S0023-C	Removable User Identity Module for Spread Spectrum Systems
C.S0024-0	cdma2000 High Rate Packet Data Air Interface Specification
C.S0024-A	cdma2000 High Rate Packet Data Air Interface Specification
C.S0024-B	cdma2000 High Rate Packet Data Air Interface Specification
C.S0025-0	Markov Service Option (MSO) for cdma2000 Spread Spectrum Systems
C.S0029-A	Test Application Specification (TAS) for High Rate Packet Data Air Interface
C.S0029-B	Test Application Specification (TAS) for High Rate Packet Data Air Interface
C.S0030-0	Selectable Mode Vocoder (SMV) Service Option for Wideband Spread Spectrum Communication Systems - Addendum
C.S0032-A	Recommended Minimum Performance Standards for cdma2000 High Rate Packet Data Access Network
C.S0033-A	Recommended Minimum Performance Standards for cdma2000 High Rate Packet Data Access Terminal - Revision A
C.S0034-0	Minimum Performance Specification for the Selectable Mode Vocoder, Speech Service Option 56 for Wideband Spread Spectrum Digital Systems
C.S0035-A	CDMA Card Application Toolkit (CCAT)
C.S0036-0	Recommended Minimum Performance Specification for C.S0022-0 Spread Spectrum Mobile Stations
C.S0037-0	Signaling Conformance Specification for cdma2000 Wireless IP Networks
C.S0038-A	Signaling Conformance Specification for cdma2000 High Rate Packet Data Air Interface Specification
C.S0039-0	Enhanced Subscriber Privacy for cdma2000 High Rate Packet Data
C.S0040-0	IP Based Over-the-Air Handset Configuration Management (IOTA-HCM)
C.S0041-0	ME/R-UIM Interface Conformance Test Specification
C.S0042-0	IP Based Over-the-Air Handset Configuration Management (IOTA-HCM)
C.S0043-0	Signaling Conformance Test Specification for the cdma2000 Air Interface
C.S0044-0	Interoperability Specification for cdma2000 Air Interface

Document #	Document Name
C.S0044-A	Interoperability Specification for cdma2000 Air Interface
C.S0045-0	Multimedia Messaging Service (MMS) Media Format and Codecs for cdma2000 Spread Spectrum Systems
C.S0045-A	Multimedia Messaging Service (MMS) Media Format and Codecs for cdma2000 Spread Spectrum Systems
C.S0046-0	3G Multimedia Streaming Services
C.S0047-0	Link-Layer Assisted Service Options for Voice-Over-IP: Header Removal (SO60) and Robust Header Compression (SO61)
C.S0048-0	Mobile Equipment (ME) Conformance Testing for cdma2000 Spread Spectrum Standards
C.S0049-0	Removable User Identity Module Conformance Testing for Spread Spectrum Systems
C.S0050-A	3GPP2 File Formats for Multimedia Services
C.S0050-B	3GPP2 File Formats for Multimedia Services
C.S0052-A	Source-Controlled Variable-Rate Multimode Wideband Speech Codec (VMR-WB), Service Options 62 and 63 for Spread Spectrum Systems
C.S0053-A	Minimum Performance Specification for the Source-Controlled Variable-Rate Multimode Wideband Speech Codec (VMR-WB), Service Options 62 and 63 for Spread Spectrum Systems
C.S0054-0	cdma2000 High Rate Broadcast-Multicast Packet Data Air Interface Specification
C.S0054-A	cdma2000 High Rate Broadcast-Multicast Packet Data Air Interface Specification
C.S0055-0	Packet Switched Video Telephony Services (PSVT/MCS)
C.S0057-B	Band Class Specification for cdma2000 Spread Spectrum Systems
C.S0058-0	Over-the-Air Interoperability Test Specification for cdma2000 Air Interface
C.S0058-A	Over-the-Air Interoperability Test Specification for cdma2000 Air Interface
C.S0059-0	Signaling Conformance Test Specification for cdma2000 Position Determination Services
C.S0060-0	Signaling Conformance Test Specification for Over-the-Air Service Provisioning
C.S0061-0	SMS Signaling Conformance Tests for CDMA Base Stations and Mobile Stations
C.S0062-0	Signaling Conformance Test Specification for cdma2000 Data Services

Document #	Document Name
C.S0063-0	cdma2000 High Rate Packet Data Supplemental Services
C.S0063-A	cdma2000 High Rate Packet Data Supplemental Services
C.S0065-0	cdma2000 Application on UICC for Spread Spectrum Systems
C.S0066-0	Over-the-Air Service Provisioning for MEID-Equipped Mobile Stations in Spread Spectrum Systems
C.S0068-0	ME Personalization for cdma2000
C.S0069-0	ISIM Application on UICC for cdma2000 Spread Spectrum Systems
C.S0072-0	Mobile Station Equipment Identifier (MEID) Support for cdma2000 Spread Spectrum Systems
C.S0073-0	Signaling Test Specification for Mobile Station Equipment Identifier (MEID) Support for cdma2000 Spread Spectrum Systems
C.S0073-A	Signaling Test Specification for Mobile Station Equipment Identifier (MEID) Support for cdma2000 Spread Spectrum Systems
C.S0074-0	UICC-Terminal Interface Physical and Logical Characteristics for cdma2000 Spread Spectrum Systems
C.S0075-0	Interworking Specification for cdma2000 1x and High Rate Packet Data Systems
C.S0076-0	Discontinuous Transmission (DTX) of Speech in cdma2000 Systems
C.S0078-0	Secured Packet Structure for CDMA Card Application Toolkit (CCAT) Applications
C.S0079-0	Remote APDU Structure for CDMA Card Application Toolkit (CCAT) Applications
C.S0081-0	Signaling Conformance Specification for cdma2000 High Rate Packet Data Supplemental Services
C.S0082-0	Circuit Services Notification Application Specification for cdma2000 High Rate Packet Data
C.S0084-0	Overview for Ultra Mobile Broadband (UMB) Air Interface Specification
C.S0085-0	VoIP Codecs and Protocols
C.S0091-0	Signaling Conformance Specification for Ultra Mobile Broadband Air Interface
C.S0094-0	Signaling Conformance Test Specification for Interworking of cdma2000 1x and High Rate Packet Data Systems
N.S0003	User Identity Module

Document #	Document Name
N.S0018-0	TIA/EIA-41-D Pre-Paid Charging
N.S0021-0	User Selective Call Forwarding
N.S0022	Answer Hold
N.S0027	Enhanced International Dialing, Calling Number Identification & Callback, Calling Party Category Identification
N.S0029	TIA/EIA-41-D Based Network Enhancements for CDMA Packet Data Service (C-PDS)
S.R0006-501-A	Wireless Features Description: Call Delivery
S.R0006-502-A	Wireless Features Description: Call Forwarding-Busy
S.R0006-503-A	Wireless Features Description: Call Forwarding-Default
S.R0006-504-A	Wireless Features Description: Call Forwarding-No Answer
S.R0006-505-A	Wireless Features Description: Call Forwarding-Unconditional
S.R0006-506-A	Wireless Features Description: Call Transfer
S.R0006-507-A	Wireless Features Description: Call Waiting
S.R0006-508-A	Wireless Features Description: Calling Number Identification Presentation
S.R0006-509-A	Wireless Features Description: Calling Number Identification Restriction
S.R0006-510-A	Wireless Features Description: Conference Calling
S.R0006-511-A	Wireless Features Description: Do Not Disturb
S.R0006-512-A	Wireless Features Description: Flexible Alerting
S.R0006-513-A	Wireless Features Description: Message Waiting Notification
S.R0006-514-A	Wireless Features Description: Mobile Access Hunting
S.R0006-515-A	Wireless Features Description: Password Call Acceptance
S.R0006-516-A	Wireless Features Description: Preferred Language
S.R0006-517-A	Wireless Features Description: Priority Access and Channel Assignment

Document #	Document Name
S.R0006-518-A	Wireless Features Description: Remote Feature Control
S.R0006-519-A	Wireless Features Description: Selective Call Acceptance
S.R0006-522-A	Wireless Features Description: Three-Way Calling
S.R0006-523-A	Wireless Features Description: Voice Message Retrieval
S.R0006-524-A	Wireless Features Description: Voice Privacy
S.R0006-526-A	Wireless Features Description: Calling Name Presentation
S.R0006-527-A	Wireless Features Description: Calling Name Restriction
S.R0006-537-A	Wireless Intelligent Network Feature Descriptions
S.R0007-0	User Selective Call Forwarding (Stage 1)
S.R0008-0	Answer Hold (Stage 1)
S.R0011-0	Advice of Charge (Stage 1)
S.R0012-0	Rejection of Undesired Annoying Calls (Stage 1)
S.R0013-0	Global Emergency Call Origination (GECO) (Stage 1)
S.R0014-0	Tandem Free Operation (Stage 1)
S.R0018-0	Pre-Paid Charging (Stage 1)
S.R0021-0	Multimedia Streaming Stage 1
S.R0022-0	Video Conferencing Services
S.R0024-0	Wireless Local Loop - Stage 1 Description
S.R0025-0	Wireless Pay Phone - Stage 1 Description
S.R0026-0	High Speed Data Enhancements for cdma2000 1x Stage 1 - Integrated Data and Voice (1xEV-DV)
S.R0027-0	Personal Mobility - Stage 1 Requirements
S.R0029-0	Access Control Based on Call Type - Stage 1 Description
S.R0030-0	Broadcast Multicast Services Stage 1

Document #	Document Name
S.R0030-A	Broadcast Multicast Services Stage 1 – Revision A
S.R0037-A	IP Network Architecture Model for cdma2000 Spread Spectrum Systems
S.R0037-B	IP Network Architecture Model for cdma2000 Spread Spectrum Systems
S.R0048-A	Access Control Based on Call Type - Stage 1 Description
S.R0051-0	Enhanced Message Service (EMS) - Stage 1 Description
S.R0058-0	IP Multimedia Domain System Requirements
S.R0059-0	Legacy MS Domain - Step 1 - System Requirements
S.R0060-0	Removable User Identity Module (R-UIM) Mobile Equipment (ME) Interface Testing
S.R0061-0	Wireless Immediate Messaging
S.R0062-0	Presence for Wireless Systems - Stage 1 Requirements
S.R0064-A	Multimedia Messaging Services (MMS) - Stage 1 Requirements
S.R0065-0	Fast Call Set-up - System Requirements
S.R0066-0	IP Based Location Services Stage 1
S.R0069-0	Header Stripping and Generation - Stage 1 Requirements
S.R0071-0	Legacy System Packet Data Surveillance Requirements
S.R0072-0	IP System Packet Data Surveillance Requirements
S.R0073-0	Internet Over-the-Air Handset Configuration Management
S.R0074-0	Multimedia File Format Stage 1
S.R0075-0	Accounting and Auditing All-IP System Requirements
S.R0079-0	Support for End-to-End QoS - Stage 1 Requirements
S.R0080-0	Wide Band Speech Codec for cdma2000 Systems Stage 1
S.R0082-0	Enhanced Packet Data Air Interface Security
S.R0086-A	IMS Security Framework

Document #	Document Name
S.R0087-0	WLAN Networking - Stage 1 Requirements
S.R0092-0	Legacy MS Domain, Step 2 -- System Requirements
S.R0095-0	Support for IP Multimedia Services Identity Module (ISIM) on Universal Integrated Circuit Card (UICC) in 3GPP2 Systems - Stage 1 Requirements
S.R0096-0	Transcoder Free Operation -- Stage 1 Requirements
S.R0100-0	Push-to-Talk over Cellular (PoC) System Requirements
S.R0104-0	HRPD Network Access Authentication for a Hybrid Access Terminal (HAT) with an R-UIM Used to Access Spread Spectrum Systems - System Requirements
S.R0106-0	Packet-Switched Video Telephony - Stage 1
S.R0108-0	HRPD-cdma2000 1x Interoperability for Voice and Data System Requirements
S.R0110-0	IP-Based Location Services Security Framework
S.R0112-0	Generic Bootstrapping Architecture System Requirements
S.R0113-0	Enhanced cdma2000 System Requirements Document
S.R0118-0	Telephone Number Mapping (ENUM)- Stage 1 Requirements
S.R0121-0	Network Evolution for cdma2000 Networks – System Requirements Document
S.R0122-0	Preferred Cryptographic Profiles
S.R0124-0	Ultra Mobile Broadband Network Architecture Model
S.S0028-C	OAM&P for cdma2000 - Overview
S.S0055-0	Enhanced Cryptographic Algorithms
S.S0078-A	Common Security Algorithms
S.S0078-B	Common Security Algorithms
S.S0083-A	Broadcast/Multicast Service Security Framework
S.S0086-B	IMS Security Framework

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S.S0093-0	cdma2000 Network Performance Measurement Types
S.S0109-0	General Bootstrapping Architecture (GBA) Framework
S.S0109-A	General Bootstrapping Architecture (GBA) Framework
S.S0114-0	Security Mechanisms Using GBA
S.S0114-A	Security Mechanisms Using GBA
X.R0010-A	Pre-Paid Charging Enhancements for Circuit-Switched Data and Short Message Services
X.R0028-000-A	cdma2000 Packet Data Services: Wireless Local Area Network (WLAN) Interworking - List of Parts
X.R0028-100-0	cdma2000 Packet Data Services: Wireless Local Area Network (WLAN) Interworking - Access to Internet
X.R0028-200-A	cdma2000 Packet Data Service: Wireless Local Area Network (WLAN) Interworking - Access to Operator Service and Mobility for WLAN Interworking
X.R0037-0	Tunneling Support in Simple IP
X.R0039-0	Packet Switched Voice (over IP) and Video Telephony Services End-to-End System Design Technical Report
X.R0052-0	All-IP System - MMD Roaming Technical Report
X.S0001-A	MAP Enhancements for CDMA Packet Data Service (C-PDS)
X.S0002-0	MEID Support for MAP Location Services Enhancements
X.S00021-B	Roamer Database Verification
X.S0003-0	One-Way Roaming from X.S0004 to GSM
X.S0004-0	Mobile Application Part (MAP) - Introduction
X.S0004-E	Mobile Application Part (MAP) - Introduction
X.S0004-630-E	Mobile Application Part (MAP) - Basic Call Processing
X.S0004-641-E	Short Message Service
X.S0004-691E	Introduction to MAP - Annexes
X.S0006-0	MAP Support of Authentication and Key Agreement

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X.S0008-0	Support for the Mobile Equipment Identity (MEID)
X.S0009-0	Wireless Intelligent Network Support for Location Based Services
X.S0010-A	Pre-Paid Charging Enhancements for Circuit Switched Data and Short Message Services
X.S0011-B	dma2000 Wireless IP Network Standard
X.S0011-C	cdma2000 Wireless IP Network Specification
X.S0011-D	cdma2000 Wireless IP Network Specification
X.S0012-0	Legacy MS Domain Step 1
X.S0013-0	All-IP Core Network Multimedia Domain - Service Based Bearer Control - Tx Interface Stage 3
X.S0013-A	All-IP Core Network Multimedia Domain - IP Multimedia Call Control Protocol Based on SIP and SDP Stage 3
X.S0013-B	All-IP Core Network Multimedia Domain - IP Multimedia Call Control Protocol Based on SIP and SDP Stage 3
X.S0014-F	Wireless Radio Telecommunications Intersystem Non-Signaling Data Communication DMH (Data Message Handler)
X.S0016-0	All-IP Core Network Multimedia Domain: Messaging Service Using the IP Multimedia Subsystem
X.S0016-A	3GPP2 Multimedia Messaging System MMS Specification Overview, Revision A
X.S0018-0	Legacy Mobile Station Domain (LMSD) – Step 1
X.S0021-B	Roamer Database Verification
X.S0022-A	Broadcast and Multicast Service in cdma2000 Wireless IP Network
X.S0023-B	Network Interworking Between GSM MAP and TIA-41 MAP - cdma2000 Support
X.S0024-0	IP-Based Location Services
X.S0025-0	Legacy MS Domain - Step 2
X.S0027-000-0	Presence Overview
X.S0029-0	Conferencing Using the IP Multimedia (IM) Core Network (CN) Subsystem
X.S0030-0	MAP Enhancements to Support Enhanced Message Waiting Notification (MWN)

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X.S0033-0	OTA Support for MEID
X.S0034-0	cdma2000/GPRS Roaming
X.S0042-0	Voice Call Continuity Between IMS and Circuit Switched Systems
X.S0048-0	Short Message Service Over IMS
X.S0050-0	Session Initiation Protocol (SIP) to ISDN User Part (ISUP) Interworking
X.S0054-0	CAN Wireless IP Network Overview and List of Parts
X.S0054-000-0	CAN Wireless IP Network Overview and List of Parts