Specification Information Note

WAP-200_005-WDP-20010718-a

Version 18-Jul-2001

for

Wireless Application Protocol
WAP-200-WDP-20000219-a

Wireless Datagram Protocol
Version 19-Feb-2000

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1. Scope

This document provides changes and corrections to the following document files:

- WAP-200-WDP-20000219-a
- WAP-200_001-WDP-20001212-a
- WAP-200_002-WDP-20001213-a
- WAP-200_004-WDP-20000517-a (superceded completely)

It includes changes from the following change requests:

- None.

2. Notation

In the subsections describing the changes new text is underlined. Removed text has ~~strikethrough~~ marks. The presented text is copied from the specification. Text that is not presented is not affected at all. The change descriptions may also include editor's notes similar to the one below. The notes are not part of the actual changes and must not be included in the changed text.

Editor's note: Framed notes like these only clarify where and how the changes shall be applied.

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3. Restructuring of SCR Table

3.1 Change Classification

Class 2 – Bug Fixes

3.2 Change Summary

WAP-221-CREQ-20010425-a requires that SCR tables have only entries, which include a device type. As a result the WDP SCR table must be restructured. Existing entries that do not include a device type have to be replaced with two similar entries: one for the client and another one for the server. Furthermore, entries are added for registered WAP port numbers so that other specifications can mandate support for them.

3.3 Change Description

Editor's note: In section **3.1 Normative References** add the following reference:

[CREQ] "Specification of WAP Conformance Requirements". WAP Forum™. WAP-221-CREQ-20010425-a. URL:http//www.wapforum.org/

Editor's note: In the beginning of **Appendix B** add the following line:

This appendix is normative.

WAP has registered the ports in table C.1 with IANA (Internet Assigned Numbers Authority).

Editor's note: Replace the contents of current **Appendix E** with the tables below:

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E.1. Protocol Functions

Item	Function	Reference	Status	Requirement
WDP-C-001	WDP client functions	Appendix E	M	WDP-CORE-C-001 AND WDP-NA-C-000 AND (WDP-ANSI-C-000 OR WDP-CDMA-C-000 OR WDP-CT-C-002 OR WDP-CT-C-006 OR WDP-CT-C-008 OR WDP-DECT-C-000 OR WDP-FLEX-C-001 OR WDP-FLEX-C-002 OR WDP-GSM-C-000 OR WDP-PDC-C-000 OR WDP-MOBITEX-C-000 OR WDP-TETRA-C-000)
WDP-S-001	WDP server functions	Appendix E	M	WDP-CORE-S-001 AND WDP-NA-S-000 AND (WDP-ANSI-S-000 OR WDP-CDMA-S-000 OR WDP-CT-S-002 OR WDP-CT-S-006 OR WDP-CT-S-008 OR WDP-DECT-S-000 OR WDP-FLEX-S-001 OR WDP-FLEX-S-002 OR WDP-GSM-S-000 OR WDP-PDC-S-000 OR WDP-MOBITEX-S-000 OR WDP-TETRA-S-000)
WDP-CORE-C-001	Basic WDP functions	Appendix E	M	WDP-PF-C-001 AND WDP-PF-C-002 AND WDP-NA-C-006 AND WDP-NA-C-007
WDP-CORE-S-001	Basic WDP functions	Appendix E	M	WDP-PF-S-001 AND WDP-PF-S-002 AND WDP-NA-S-006 AND WDP-NA-S-007
WDP-PF-C-001	Abstract service primitive functions for T-Dunitdata.Req.	6.3.1.1	M	
WDP-PF-C-002	Support the abstract service primitive functions for T-DUnitdata.Ind	6.3.1.1	M	
WDP-PF-C-003	Support the abstract service primitive functions for T-DError.Ind	6.3.1.2	O	
WDP-PF-S-001	Abstract service primitive functions for T-Dunitdata.Req.	6.3.1.1	M	
WDP-PF-S-002	Support the abstract service primitive functions for T-DUnitdata.Ind	6.3.1.1	M	
WDP-PF-S-003	Support the abstract service primitive functions for T-DError.Ind	6.3.1.2	O	

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E.2. Cellular Technology / Network Type

Item	Function	Reference	Status	Requirement
WDP-CT-C-001	CDMA technology	[TIA/EIA/IS-95]	O	
WDP-CT-C-002	CDPD technology	[TIA/EIA/IS-732]	O	
WDP-CT-C-003	FLEX™ technology	[WDP]	O	
WDP-CT-C-004	GSM technology	[ETSI GSM]	O	
WDP-CT-C-005	ANSI-136 (TDMA) technology	[TIA/EIA/ANSI-136]	O	
WDP-CT-C-006	iDEN technology		O	
WDP-CT-C-007	PDC technology		O	
WDP-CT-C-008	PHS technology		O	
WDP-CT-C-009	TETRA technology		O	
WDP-CT-C-010	DECT technology	ETSI DECT	O	
WDP-CT-C-011	ReFLEX™ technology	[WDP]	O	
WDP-CT-C-012	Mobitex technology	[MIS/LZY 232 105]	O	
WDP-CT-S-001	CDMA technology	[TIA/EIA/IS-95]	O	
WDP-CT-S-002	CDPD technology	[TIA/EIA/IS-732]	O	
WDP-CT-S-003	FLEX™ technology	[WDP]	O	
WDP-CT-S-004	GSM technology	[ETSI GSM]	O	
WDP-CT-S-005	ANSI-136 (TDMA) technology	[TIA/EIA/ANSI-136]	O	
WDP-CT-S-006	iDEN technology		O	
WDP-CT-S-007	PDC technology		O	
WDP-CT-S-008	PHS technology		O	
WDP-CT-S-009	TETRA technology		O	
WDP-CT-S-010	DECT technology	ETSI DECT	O	
WDP-CT-S-011	ReFLEX™ technology	[WDP]	O	
WDP-CT-S-012	Mobitex technology	[MIS/LZY 232 105]	O	

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E.3. Network and Application Addressing

Item	Function	Reference	Status	Requirement
WDP-NA-C-000	At least one network addressing scheme must be supported		M	WDP-NA-C-001 OR WDP-NA-C-002 OR WDP-NA-C-003 OR WDP-NA-C-004 OR WDP-NA-C-005 OR WDP-NA-C-008 OR WDP-NA-C-009
WDP-NA-C-001	E.164 addresses support	[ITU E.164]	O	
WDP-NA-C-002	X.25 addresses support	[ITU X.25]	O	
WDP-NA-C-003	Ipv4 addresses support	[RFC 791]	O	
WDP-NA-C-004	IPv6 addresses support	[RFC 1884]	O	
WDP-NA-C-005	Proprietary addressing scheme support	Not Applicable	O	
WDP-NA-C-006	Destination Port application addressing support	3.1, 6.1	M	
WDP-NA-C-007	Source Port application addressing support	3.1, 6.1	M	
WDP-NA-C-008	TETRA addresses support	[ETS 300 392-1]	O	
WDP-NA-C-009	Mobitex address support	[MIS/LZY 232 105]	O	
WDP-NA-S-000	At least one network addressing scheme must be supported		M	WDP-NA-S-001 OR WDP-NA-S-002 OR WDP-NA-S-003 OR WDP-NA-S-004 OR WDP-NA-S-005 OR WDP-NA-S-008 OR WDP-NA-S-009
WDP-NA-S-001	E.164 addresses support	[ITU E.164]	O	
WDP-NA-S-002	X.25 addresses support	[ITU X.25]	O	
WDP-NA-S-003	Ipv4 addresses support	[RFC 791]	O	
WDP-NA-S-004	IPv6 addresses support	[RFC 1884]	O	
WDP-NA-S-005	Proprietary addressing scheme support	Not Applicable	O	
WDP-NA-S-006	Destination Port application addressing support	3.1, 6.1	M	
WDP-NA-S-007	Source Port application addressing support	3.1, 6.1	M	
WDP-NA-S-008	TETRA addresses support	[ETS 300 392-1]	O	
WDP-NA-S-009	Mobitex address support	[MIS/LZY 232 105]	O	

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E.4. Registered Ports

Item	Function	Reference	Status	Requirement
WDP-RP-C-001	Port 2948 for Push Connectionless Session Service	Appendix B	O	
WDP-RP-C-002	Port 2949 for Push Secure Connectionless Session Service	Appendix B	O	
WDP-RP-C-003	Port 9204 for vCard Datagram Service	Appendix B	O	
WDP-RP-C-004	Port 9205 for vCal Datagram Service	Appendix B	O	
WDP-RP-C-005	Port 9206 for vCard Secure Datagram Service	Appendix B	O	
WDP-RP-C-006	Port 9207 for vCal Secure Datagram Service	Appendix B	O	
WDP-RP-S-001	Port 2805 for WTA Secure Connectionless Session Service	Appendix B	O	
WDP-RP-S-002	Port 2923 for WTA Secure Session Service	Appendix B	O	
WDP-RP-S-003	Port 9200 for WAP Connectionless Session Service	Appendix B	O	
WDP-RP-S-004	Port 9201 for WAP Session Service	Appendix B	O	
WDP-RP-S-005	Port 9202 for WAP Secure Connectionless Session Service	Appendix B	O	
WDP-RP-S-006	Port 9203 for WAP Secure Session Service	Appendix B	O	
WDP-RP-S-007	Port 9204 for vCard Datagram Service	Appendix B	O	
WDP-RP-S-008	Port 9205 for vCal Datagram Service	Appendix B	O	
WDP-RP-S-009	Port 9206 for vCard Secure Datagram Service	Appendix B	O	
WDP-RP-S-010	Port 9207 for vCal Secure Datagram Service	Appendix B	O	

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E.5. CDMA Cellular Technology

Item	Function	Reference	Status	Requirement
WDP-CDMA-C-000	Some CDMA bearer	Appendix E	O	WDP-CT-C-001 AND (WDP-CDMA-C-001 OR WDP-CDMA-C-002 OR WDP-CDMA-C-003)
WDP-CDMA-C-001	SMS bearer service	[TIA/EIA/IS-637]	O	
WDP-CDMA-C-002	Packet bearer service	[TIA/EIA/IS-707]	O	
WDP-CDMA-C-003	Circuit-Switched bearer service	[TIA/EIA/IS-707]	O	
WDP-CDMA-S-000	Some CDMA bearer	Appendix E	O	WDP-CT-S-001 AND (WDP-CDMA-S-001 OR WDP-CDMA-S-002 OR WDP-CDMA-S-003)
WDP-CDMA-S-001	SMS bearer service	[TIA/EIA/IS-637]	O	
WDP-CDMA-S-002	Packet bearer service	[TIA/EIA/IS-707]	O	
WDP-CDMA-S-003	Circuit-Switched bearer service	[TIA/EIA/IS-707]	O	

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E.6. GSM Cellular Technology

Item	Function	Reference	Status	Requirement
WDP-GSM-C-000	Some GSM bearer	Appendix E	O	WDP-CT-C-004 AND (WDP-GSM-C-001 OR WDP-GSM-C-005 OR WDP-GSM-C-007 OR WDP-GSM-C-008 OR WDP-GSM-C-009)
WDP-GSM-C-001	SMS bearer service	[GSM0340]	O	WDP-GSM-C-010 AND WDP-GSM-C-011
WDP-GSM-C-002	SMS Phase 1 text headers	[WDP]	O	
WDP-GSM-C-003	Long fragmentation information element sending	[GSM0340] [WAPGSMUD]	O	
WDP-GSM-C-004	Short fragmentation information element sending	[GSM0340] [WAPGSMUD]	O	
WDP-GSM-C-005	USSD bearer service	[GSM0390]	O	WDP-GSM-C-006 AND WDP-GSM-C-010 AND WDP-GSM-C-011 AND WAPoverGSMUSSD:MCF
WDP-GSM-C-006	USSD bearer service information elements	[WAPGSMUD]	O	
WDP-GSM-C-007	GPRS bearer service	[GSM0360]	O	
WDP-GSM-C-008	Circuit Switched bearer service	[ETSI GSM]	O	
WDP-GSM-C-009	Cell Broadcast bearer service	[GSM0341]	O	
WDP-GSM-C-010	Long fragmentation information element receiving	[GSM0340] [WAPGSMUD]	O	
WDP-GSM-C-011	Short fragmentation information element receiving	[GSM0340] [WAPGSMUD]	O	
WDP-GSM-S-000	Some GSM bearer	Appendix E	O	WDP-CT-S-004 AND (WDP-GSM-S-001 OR WDP-GSM-S-005 OR WDP-GSM-S-007 OR WDP-GSM-S-008 OR WDP-GSM-S-009)
WDP-GSM-S-001	SMS bearer service	[WDP]	O	WDP-GSM-S-003 AND WDP-GSM-S-010 AND WDP-GSM-S-011
WDP-GSM-S-002	SMS Phase 1 text headers	[WDP]	O	
WDP-GSM-S-003	Long fragmentation information element sending	[GSM0340] [WAPGSMUD]	O	
WDP-GSM-S-004	Short fragmentation information element sending	[GSM0340] [WAPGSMUD]	O	
WDP-GSM-S-005	USSD bearer service	[GSM0390]	O	WDP-GSM-S-006 AND WDP-GSM-S-003 AND WDP-GSM-S-010 AND WDP-GSM-S-011 AND WAPoverGSMUSSD:MSF
WDP-GSM-S-006	USSD bearer service information elements	[WAPGSMUD]	O	
WDP-GSM-S-007	GPRS bearer service	[GSM0360]	O	
WDP-GSM-S-008	Circuit Switched bearer service	[ETSI GSM]	O	
WDP-GSM-S-009	Cell Broadcast bearer service	[GSM0341]	O	
WDP-GSM-S-010	Long fragmentation information element receiving	[GSM0340] [WAPGSMUD]	O	
WDP-GSM-S-011	Short fragmentation information element receiving	[GSM0340] [WAPGSMUD]	O	

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E.7. ANSI-136 Cellular Technology

Item	Function	Reference	Status	Requirement
WDP-ANSI-C-000	Some ANSI bearer	Appendix E	O	WDP-CT-C-005 AND (WDP-ANSI-C-001 OR WDP-ANSI-C-002 OR WDP-ANSI-C-003 OR WDP-ANSI-C-004)
WDP-ANSI-C-001	ANSI-136 R-Data service	[TIA/EIA-136-750]	O	
WDP-ANSI-C-002	ANSI-136 Packet Data service	[TIA/EIA-136-370]	O	
WDP-ANSI-C-003	ANSI-136 Circuit-Switched Data service	[TIA/EIA-136-350]	O	
WDP-ANSI-C-004	ANSI-136 R-Data GHOST Service	[TIA/EIA-136-711]	O	WDP-ANSIBEAR-C-003 AND WDP-ANSIBEAR-C-004
WDP-ANSIBEAR-C-001	Long fragmentation information element sending	[TIA/EIA-136-711]	O	
WDP-ANSIBEAR-C-002	Short fragmentation information element sending	[TIA/EIA-136-711]	O	
WDP-ANSIBEAR-C-003	Long fragmentation information element receiving	[TIA/EIA-136-711]	O	
WDP-ANSIBEAR-C-004	Short fragmentation information element receiving	[TIA/EIA-136-711]	O	
WDP-ANSI-S-000	Some ANSI bearer	Appendix E	O	WDP-CT-S-005 AND (WDP-ANSI-S-001 OR WDP-ANSI-S-002 OR WDP-ANSI-S-003 OR WDP-ANSI-S-004)
WDP-ANSI-S-001	ANSI-136 R-Data service	[TIA/EIA-136-750]	O	
WDP-ANSI-S-002	ANSI-136 Packet Data service	[TIA/EIA-136-370]	O	
WDP-ANSI-S-003	ANSI-136 Circuit-Switched Data service	[TIA/EIA-136-350]	O	
WDP-ANSI-S-004	ANSI-136 R-Data service GHOST Service	[TIA/EIA-136-711]	O	WDP-ANSIBEAR-S-002 AND WDP-ANSIBEAR-S-003 AND WDP-ANSIBEAR-S-004
WDP-ANSIBEAR-S-001	Long fragmentation information element sending	[TIA/EIA-136-711]	O	
WDP-ANSIBEAR-S-002	Short fragmentation information element sending	[TIA/EIA-136-711]	O	
WDP-ANSIBEAR-S-003	Long fragmentation information element receiving	[TIA/EIA-136-711]	O	
WDP-ANSIBEAR-S-004	Short fragmentation information element receiving	[TIA/EIA-136-711]	O	

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E.8. PDC Cellular Technology

Item	Function	Reference	Status	Requirement
WDP-PDC-C-000	Some PDC bearer	Appendix E	O	WDP-CT-C-007 AND (WDP-PDC-C-001 OR WDP-PDC-C-002)
WDP-PDC-C-001	PDC Packet Data service	[TIA/EIA/IS-637]	O	
WDP-PDC-C-002	PDC Circuit-Switched Data service	[TIA/EIA/IS-707]	O	
WDP-PDC-S-000	Some PDC bearer	Appendix E	O	WDP-CT-S-007 AND (WDP-PDC-S-001 OR WDP-PDC-S-002)
WDP-PDC-S-001	PDC Packet Data service	[TIA/EIA/IS-637]	O	
WDP-PDC-S-002	PDC Circuit-Switched Data service	[TIA/EIA/IS-707]	O	

E.9. TETRA Cellular Technology

Item	Function	Reference	Status	Requirement
WDP-TETRA-C-000	Some TETRA bearer	Appendix E	O	WDP-CT-C-009 AND (WDP-TETRA-C-001 OR WDP-TETRA-C-002)
WDP-TETRA-C-001	TETRA SDS bearer service	[ETS 300 392-2]	O	
WDP-TETRA-C-002	TETRA Packet Data service	[ETS 300 392-2]	O	
WDP-TETRA-S-000	Some TETRA bearer	Appendix E	O	WDP-CT-S-009 AND (WDP-TETRA-S-001 OR WDP-TETRA-S-002)
WDP-TETRA-S-001	TETRA SDS bearer service	[ETS 300 392-2]	O	
WDP-TETRA-S-002	TETRA Packet Data service	[ETS 300 392-2]	O	

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E.10. DECT Cellular Technology

Item	Function	Reference	Status	Requirement
WDP-DECT-C-000	Some DECT bearer	Appendix E	O	WDP-CT-C-010 AND (WDP-DECT-C-001 OR WDP-DECT-C-002 OR WDP-DECT-C-003)
WDP-DECT-C-001	DECT short message service	DECT/DEN 030128	O	
WDP-DECT-C-002	DECT connection oriented services	EN 301 649 EN 301 238	O	
WDP-DECT-C-003	DECT packet switched services	EN 301 649	O	
WDP-DECT-S-000	Some DECT bearer	Appendix E	O	WDP-CT-S-010 AND (WDP-DECT-S-001 OR WDP-DECT-S-002 OR WDP-DECT-S-003)
WDP-DECT-S-001	DECT short message service	DECT/DEN 030128	O	
WDP-DECT-S-002	DECT connection oriented services	EN 301 649 EN 301 238	O	
WDP-DECT-S-003	DECT packet switched services	EN 301 649	O	

E.11. Mobitex Cellular Technology

Item	Function	Reference	Status	Requirement
WDP-MOBITEX-C-000	Mobitex MPAK bearer service	[MIS/LZY 232 105]	O	WDP-CT-C-012
WDP-MOBITEX-S-000	Mobitex MPAK bearer service	[MIS/LZY 232 105]	O	WDP-CT-S-012

E.12. FLEX/ReFLEX Technology

Item	Function	Reference	Status	Requirement
WDP-FLEX-C-001	FLEX™ technology	[WDP]	O	WDP-CT-C-003
WDP-FLEX-C-002	ReFLEX™ technology	[WDP]	O	WDP-CT-C-011
WDP-FLEX-S-001	FLEX™ technology	[WDP]	O	WDP-CT-S-003
WDP-FLEX-S-002	ReFLEX™ technology	[WDP]	O	WDP-CT-S-011

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