



Specification Change Document
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Version 28-Sep-2001

for

Wireless Application Protocol
WAP-209-MMSEncapsulation-20010601-a
MMS Encapsulation Protocol
Version 01-June-2001

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1. Scope

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

- WAP-209-MMSEncapsulation-20010601-a

2. Notation

In the subsections describing the changes new text is underlined. Removed text has ~~striketrough~~ 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.

3. Change of SCR Tables

3.1 Change Classification

Class 3 – Clerical Corrections

3.2 Change Summary

This change introduces a lot of corrections in the SCR tables' format to follow correctly the rules specified in "Specification of WAP Conformance Requirements", WAP-221-CREQ

3.3 Change Description

A. Static Conformance Requirements (Normative)

Static Conformance Requirement is presented as a set of tables below. The format, contents and syntax of the tables are mandated by [CREQ].

A.1 MMS Client

A.1.1 General Message Structure

| Item | Function | Reference | Status | Requirement |
|-----------------------------|--|-----------|----------------------|-----------------------------|
| MMSE-C- 001 | Support for application/vnd.wap.mms - message | 5.1 | Mandatory | |
| MMSE-C- 002 | Support for MMS presentation part in multipart structure | 5.1 | Optional | |
| MMSE-C- 003 | Sending additional headers | 5.1 | Optional | |
| MMSE-C- 004 | Functionality for additional headers | 6.1.1 | Optional | MMSE-C- 003 |
| MMSE-C- 005 | Support of presentation without presentation part | 5.1 | Optional | |
| MMSE-C- 006 | Support for text/plain multimedia objects | 5.1 | Mandatory | |
| MMSE-C- 007 | Support for other multimedia objects than text | 5.1 | Optional | |

Table10. Static Conformance Requirement for general message structure, originating terminal

| Item | Function | Reference | Status | Requirement |
|-----------------------------|--|-----------|----------------------|-----------------------------|
| MMSE-C- 008 | Support for application/vnd.wap.mms - message | 5.1 | Mandatory | |
| MMSE-C- 009 | Support for MMS presentation part in multipart structure | 5.1 | Optional | |
| MMSE-C- 010 | Recognizing additional headers | 6.1.1 | Mandatory | |
| MMSE-C- 011 | Functionality for additional headers | 6.1.1 | Optional | MMSE-C- 010 |
| MMSE-C- 012 | Support of presentation without presentation part | 5.1 | Mandatory | |
| MMSE-C- 013 | Support for text/plain multimedia objects | 5.1 | Mandatory | |

| | | | | |
|-----------------------------|--|-----|---------------------|--|
| MMSE-C- Q14 | Support for other multimedia objects than text | 5.1 | Optional | |
|-----------------------------|--|-----|---------------------|--|

Table 11. Static Conformance Requirement for general message structure, recipient terminal

A.1.2 Sending of Multimedia Message

| Item | Function | Reference | Status | Requirement |
|-----------------------------|--|-----------|----------------------|---|
| MMSE-C- Q15 | Message-Type field | Table 1,2 | Mandatory | |
| MMSE-C- Q16 | Transaction-ID field | Table 1,2 | Mandatory | |
| MMSE-C- Q17 | MMS-Version field | Table 1,2 | Mandatory | |
| MMSE-C- Q18 | Date field | Table 1 | Optional | |
| MMSE-C- Q19 | From field | Table 1 | Mandatory | |
| MMSE-C- Q20 | To field | Table 1 | Optional | |
| MMSE-C- Q21 | Cc field | Table 1 | Optional | |
| MMSE-C- Q22 | Bcc field | Table 1 | Optional | |
| MMSE-C- Q23 | Support for at least one To, Cc or Bcc field | Table 1 | Mandatory | MMSE-C- Q20 OR MMSE-C- Q21 OR MMSE-C- Q22 |
| MMSE-C- Q24 | Subject field | Table 1 | Optional | |
| MMSE-C- Q25 | Message-Class field | Table 1 | Optional | |
| MMSE-C- Q26 | Expiry field | Table 1 | Optional | |
| MMSE-C- Q27 | Delivery-Time field | Table 1 | Optional | |
| MMSE-C-28 | Priority field | Table 1 | Optional | |
| MMSE-C- Q29 | Sender-Visibility field | Table 1 | Optional | |
| MMSE-C- Q30 | Delivery-Report field | Table 1 | Optional | |

| | | | | |
|--------------------------------|---|---------|----------------------|--|
| MMSE-C- Q31 | Read-Reply field | Table 1 | Optional | |
| MMSE-C- Q32 | Content-Type field | Table 1 | Mandatory | |
| MMSE-C- Q33 | Response-Status field | Table 2 | Mandatory | |
| MMSE-C- Q34 | Response-Text field | Table 2 | Optional | |
| MMSE-C- Q35 | In the case of application/vnd.wap.multipart.related the presentation is the root part of the aggregate document. | 6.1.1 | Mandatory | |
| MMSE-C- Q36 | Message-ID field in case of successful delivery to MMS Proxy -Relay | Table 2 | Mandatory | |

Table 12. Static Conformance Requirement for sent multimedia message and corresponding reply.

A.1.3 MMS Notification

| Item | Function | Reference | Status | Requirement |
|--------------------------------|------------------------|-----------|----------------------|-------------|
| MMSE-C- Q37 | Message-Type field | Table 3,4 | Mandatory | |
| MMSE-C- Q38 | Transaction-ID field | Table 3,4 | Mandatory | |
| MMSE-C- Q39 | MMS-Version field | Table 3,4 | Mandatory | |
| MMSE-C- Q40 | From field | Table 3 | Optional | |
| MMSE-C- Q41 | Subject field | Table 3 | Optional | |
| MMSE-C- Q42 | Message-Class field | Table 3 | Mandatory | |
| MMSE-C- Q43 | Message-Size field | Table 3 | Mandatory | |
| MMSE-C- Q44 | Expiry field | Table 3 | Mandatory | |
| MMSE-C- Q45 | Content-Location field | Table 3 | Mandatory | |
| MMSE-C- Q46 | Status field | Table 4 | Mandatory | |

| | | | | |
|--------------------------------|----------------------|---------|----------|--|
| MMSE-C- 047 | Report-Allowed field | Table 4 | Optional | |
|--------------------------------|----------------------|---------|----------|--|

Table 13. Static Conformance Requirement for received MMS notification and corresponding reply.

A.1.4 Retrieval of Multimedia Message

| Item | Function | Reference | Status | Requirement |
|--------------------------------|--|-----------|-----------------------|--|
| MMSE-C- 048 | Message-Type field | Table 5 | Mandatory | |
| MMSE-C- 049 | Transaction-ID field | Table 5 | Optional | |
| MMSE-C- 050 | Message-ID field | Table 5 | Optional | |
| MMSE-C- 051 | Message-ID field present when Read-Reply value is Yes | Table 5 | Optional | MMSE-C- 050 AND MMSE-C- 063 |
| MMSE-C- 052 | Support the functionality of Transaction-ID field when present | Table 5 | Mandatory | |
| MMSE-C- 053 | MMS-Version field | Table 5 | Mandatory | |
| MMSE-C- 054 | Date field | Table 5 | Mandatory | |
| MMSE-C- 055 | From field | Table 5 | Mandatory | |
| MMSE-C- 056 | To field | Table 5 | Optional | |
| MMSE-C- 057 | Cc field | Table 5 | Optional | |
| MMSE-C- 058 | Support for either one To or Cc field | Table 5 | Mandatory | MMSE-C- 056 OR MMSE-C- 057 |
| MMSE-C- 059 | Subject field | Table 5 | Optional ¹ | |
| MMSE-C- 060 | Message-Class field | Table 5 | Optional ¹ | |
| MMSE-C- 061 | Priority field | Table 5 | Optional ¹ | |

¹ The recipient ~~MSMMS Client~~ -MUST recognise the field but need not provide additional functionality.

| | | | | |
|-----------------------------|---|---------|-----------------------|-----------------------------|
| MMSE-C- Q62 | Delivery-Report field | Table 5 | Optional ¹ | |
| MMSE-C- Q63 | Read-Reply field | Table 5 | Optional ¹ | |
| MMSE-C- Q64 | Content-Type field | Table 5 | Optional ¹ | |
| MMSE-C- Q65 | Report-Allowed field | Table 6 | Optional ¹ | |
| MMSE-C- Q66 | Support for recognition of read-reply message | Table 5 | Optional | MMSE-C- Q60 |

Table 14. Static Conformance Requirement for received multimedia message and the corresponding reply.

A.1.5 Acknowledge and Delivery Report

| Item | Function | Reference | Status | Requirement |
|-----------------------------|----------------------|------------|----------------------|-------------|
| MMSE-C- Q67 | Message-Type field | Tables 6,7 | Mandatory | |
| MMSE-C- Q68 | Transaction-ID field | Tables 6 | Mandatory | |
| MMSE-C- Q69 | MMS- Version field | Tables 6,7 | Mandatory | |
| MMSE-C- Q70 | Report-Allowed field | Table 6 | Optional | |
| MMSE-C- Q74 | Message-ID field | Table 7 | Mandatory | |
| MMSE-C- Q75 | To field | Table 7 | Mandatory | |
| MMSE-C- Q76 | Date field | Table 7 | Mandatory | |
| MMSE-C- Q77 | Status field | Table 7 | Mandatory | |

Table 15. Static Conformance Requirement for received delivery report.

A.1.6 Character Sets

| Item | Function | Reference | Status | Requirement |
|--------------------------------|---|-----------------------|--------------------------|-------------|
| MMSE-CHS-C-001 | Unicode UTF-8 encoding | 7.2.9 | Optional | |
| MMSE-CHS-C-002 | Unicode UTF-16 encoding | 7.2.9 | Optional | |

| | | | | |
|--------------------------------|--|-----------------------|--------------------------|--|
| CHS-C-002 | | | | |
| MMSE-CHS-C-003 | ISO 10646-1 UCS-2 encoding | 7.2.9 | Optional | |
| MMSE-CHS-C-004 | ISO 10646-1 UCS-4 encoding | 7.2.9 | Optional | |
| MMSE-CHS-C-005 | Other character encoding | 7.2.9 | Optional | |

Table 16. Static Conformance Requirement for character sets.

A.2 MMS Proxy-Relay

| Item | Function | Reference | Status | Requirement |
|----------------------------|--|-----------|----------------------|-------------|
| MMSE-S-078 | Reception of multimedia message | 5.1 | Mandatory | |
| MMSE-S-079 | Sending of MMS notification | 5.1 | Mandatory | |
| MMSE-S-080 | Delivery of multimedia message | 5.1 | Mandatory | |
| MMSE-S-081 | Creation and delivery of delivery report upon user request | 6.5 | Mandatory | |
| MMSE-S-082 | Delivery of read-reply multimedia message | 6.6 | Mandatory | |
| MMSE-S-083 | Inserting current date to multimedia message being delivered | 6.1.1 | Mandatory | |
| MMSE-S-084 | Inserting correct address when insert-address-token present | 6.1.1 | Mandatory | |
| MMSE-S-085 | Support for removal of From field in notification & retrieved message when user requested hiding of source | 6.2, 6.3 | Optional | |
| MMSE-S-086 | Support for adding Message-Class field to MMS notification when not sent by terminal | 6.2 | Mandatory | |
| MMSE-S-087 | Support for user-requested time-of-expiration for the message | 6.1.1 | Optional | |
| MMSE-S-088 | Support for deferred delivery when user requested with Delivery-Time field | 6.1.1 | Optional | |
| MMSE-S-089 | Support for expedited delivery requested by priority field | 6.1.1 | Optional | |

Table 16.17. Static Conformance Requirement for MMS Proxy-Relay.

A.3A.2.1 Character Sets

| Item | Function | Reference | Status | Requirement |
|--------------------------------------|----------------------------|-----------|----------|-------------|
| MMSE- CHS-S-00190 | Unicode UTF-8 encoding | 7.2.9 | Optional | |
| MMSE- CHS-S-00294 | Unicode UTF-16 encoding | 7.2.9 | Optional | |
| MMSE- CHS-S-00392 | ISO 10646-1 UCS-2 encoding | 7.2.9 | Optional | |
| MMSE- CHS-S-00493 | ISO 10646-1 UCS-4 encoding | 7.2.9 | Optional | |
| MMSE- CHS-S-00594 | Other character encoding | 7.2.9 | Optional | |

Table 1718. Static Conformance Requirement for character sets.

4. Correction of Token-text encoding rule

4.1 Change Classification

Class 2 – Bug fix

4.2 Change Summary

This change fixes a bug in Token-text to be consistent with WSP encoding rule.

4.3 Change Description

7.1 Encoding Rules

The following rules are used to encode headers:

Header = MMS-header | Application-header

MMS-header = MMS-field-name MMS-value

Application-header = Token-text Application-specific-value

Token-text = ~~Text-string~~ Token End-of-strings

MMS-field-name = Short-integer