



Enabler Test Specification for MMS

Candidate Version 1.3 – 18 Jul 2008

Open Mobile Alliance

OMA-ETS-MMS-Content-V1_3-20080718-C

Use of this document is subject to all of the terms and conditions of the Use Agreement located at <http://www.openmobilealliance.org/UseAgreement.html>.

Unless this document is clearly designated as an approved specification, this document is a work in process, is not an approved Open Mobile Alliance™ specification, and is subject to revision or removal without notice.

You may use this document or any part of the document for internal or educational purposes only, provided you do not modify, edit or take out of context the information in this document in any manner. Information contained in this document may be used, at your sole risk, for any purposes. You may not use this document in any other manner without the prior written permission of the Open Mobile Alliance. The Open Mobile Alliance authorizes you to copy this document, provided that you retain all copyright and other proprietary notices contained in the original materials on any copies of the materials and that you comply strictly with these terms. This copyright permission does not constitute an endorsement of the products or services. The Open Mobile Alliance assumes no responsibility for errors or omissions in this document.

Each Open Mobile Alliance member has agreed to use reasonable endeavors to inform the Open Mobile Alliance in a timely manner of Essential IPR as it becomes aware that the Essential IPR is related to the prepared or published specification. However, the members do not have an obligation to conduct IPR searches. The declared Essential IPR is publicly available to members and non-members of the Open Mobile Alliance and may be found on the “OMA IPR Declarations” list at <http://www.openmobilealliance.org/ipr.html>. The Open Mobile Alliance has not conducted an independent IPR review of this document and the information contained herein, and makes no representations or warranties regarding third party IPR, including without limitation patents, copyrights or trade secret rights. This document may contain inventions for which you must obtain licenses from third parties before making, using or selling the inventions. Defined terms above are set forth in the schedule to the Open Mobile Alliance Application Form.

NO REPRESENTATIONS OR WARRANTIES (WHETHER EXPRESS OR IMPLIED) ARE MADE BY THE OPEN MOBILE ALLIANCE OR ANY OPEN MOBILE ALLIANCE MEMBER OR ITS AFFILIATES REGARDING ANY OF THE IPR'S REPRESENTED ON THE “OMA IPR DECLARATIONS” LIST, INCLUDING, BUT NOT LIMITED TO THE ACCURACY, COMPLETENESS, VALIDITY OR RELEVANCE OF THE INFORMATION OR WHETHER OR NOT SUCH RIGHTS ARE ESSENTIAL OR NON-ESSENTIAL.

THE OPEN MOBILE ALLIANCE IS NOT LIABLE FOR AND HEREBY DISCLAIMS ANY DIRECT, INDIRECT, PUNITIVE, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES ARISING OUT OF OR IN CONNECTION WITH THE USE OF DOCUMENTS AND THE INFORMATION CONTAINED IN THE DOCUMENTS.

© 2008 Open Mobile Alliance Ltd. All Rights Reserved.

Used with the permission of the Open Mobile Alliance Ltd. under the terms set forth above.

Contents

1. SCOPE	5
2. REFERENCES	6
2.1 NORMATIVE REFERENCES	6
3. TERMINOLOGY AND CONVENTIONS	7
3.1 CONVENTIONS	7
3.2 ABBREVIATIONS	7
4. INTRODUCTION	8
5. CONFORMANCE TEST CASES	8
6. MMS ETS CONTENT FILES	8
6.1 TEXT	8
6.1.1 US-ASCII	8
6.1.2 UTF-8	8
6.1.3 UTF-16	8
6.1.4 Hyperlink	8
6.2 XHTML	8
6.3 PSS SMIL	9
6.3.1 PSS SMIL1.smil	9
6.3.2 Replace_media.smil	9
6.4 GIF IMAGES	9
6.4.1 GIF 87a	9
6.4.2 GIF 89a	9
6.4.3 Small GIF Images	10
6.4.4 GIF Image with long name	10
6.4.5 GIF1-40kB.GIF - GIF10-40kB.GIF	10
6.5 JPG IMAGES	11
6.5.1 JPG1000x500	12
6.5.2 JPG1600x1200-550kB	12
6.5.3 JPG1650x1238-392kB	12
6.5.4 object-jpeg1-640x480-45kB - object-jpeg10-640x480-45kB	13
6.5.5 object-JPG-EXIF.jpg	13
6.5.6 JPG1650x1238	15
6.6 WBMP IMAGES	15
6.7 vCALENDAR	16
6.7.1 Christmas.vcs	16
6.7.2 WrapPresents.vcs	16
6.8 vCARD	17
6.8.1 John Doe.vcf	17
6.8.2 Jane Doe.vcf	17
6.8.3 EmptyADRfield.vcf	18
6.8.4 Postcard_John_Doe.vcf	18
6.8.5 Postcard_Jane_Doe.vcf	19
6.9 AMR	19
6.10 3GPP_VIDEO	19
6.11 3GPP2-13kSPEECHCLIPS	20
6.12 3GPP2-VIDEO_TEST_CLIPS	20
6.13 DRM CONTENT	20
6.14 OTHER FORMATS	20
APPENDIX A. CHANGE HISTORY (INFORMATIVE)	22
A.1 APPROVED VERSION HISTORY	22
A.2 DRAFT/CANDIDATE VERSION 1.3 HISTORY	22

APPENDIX B. TABLE OF ALTERNATIVE CHARACTERS (UTF-8 ENCODING).....	23
--	-----------

1. Scope

This document describes the content used in the Test Cases for MMS Enabler Test Specification OMA-MMS-ETS-v1_3.

2. References

2.1 Normative References

- [IOPPROC] “OMA Interoperability Policy and Process”, Version 1.5, Open Mobile Alliance™, OMA-IOP-Process-V1_5, URL:<http://www.openmobilealliance.org/>
- [RFC2119] “Key words for use in RFCs to Indicate Requirement Levels”, S. Bradner, March 1997, URL:<http://www.ietf.org/rfc/rfc2119.txt>

3. Terminology and Conventions

3.1 Conventions

The key words “MUST”, “MUST NOT”, “REQUIRED”, “SHALL”, “SHALL NOT”, “SHOULD”, “SHOULD NOT”, “RECOMMENDED”, “MAY”, and “OPTIONAL” in this document are to be interpreted as described in [RFC2119].

All sections and appendixes, except “Scope”, are normative, unless they are explicitly indicated to be informative.

3.2 Abbreviations

OMA	Open Mobile Alliance
-----	----------------------

4. Introduction

The purpose of this document is to provide content files for the testing of test cases for MMS 1.3 Enabler Release.

5. Conformance Test Cases

Not applicable

6. MMS ETS content files

6.1 Text

6.1.1 US-ASCII

Text_us-ascii : "The quick brown fox jumped over the lazy dog 1234567890!()"

6.1.2 UTF-8

Generic_Text.txt: "Hello World"

Short_Text_UTF-8: "Shōrt Téxt - ¥üëäÿ"

Text_UTF-8: "French ê has a roof over the e. German ü is a u with two dots. Portuguese ã is an a with a ~ (tilde) above."

6.1.3 UTF-16

Text_UTF-16: "French ê has a roof over the e. German ü is a u with two dots. Portuguese ã is an a with a ~ (tilde) above."

6.1.4 Hyperlink

hyperlink.txt: "http://www.openmobilealliance.org"

6.2 Xhtml

Heading_Elements.xhtml:

```
<?xml version="1.0"?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML Basic 1.0//EN" "http://www.w3.org/TR/xhtml1-basic/xhtml1-
basic10.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<title>Heading elements</title>
</head>
<body>
```


<h3>Heading elements</h3>

<p>Verify that the following six headings are rendered in a progressively decreasing font size: 'This is H1' is largest and

'This is H6' is smallest.</p>

<h1>This is H1</h1>

<h2>This is H2</h2>

<h3>This is H3</h3>

<h4>This is H4</h4>

<h5>This is H5</h5>

<h6>This is H6</h6>

</body>

</html>

6.3 PSS SMIL

6.3.1 PSS SMIL1.smil

6.3.2 Replace_media.smil

6.4 GIF Images

6.4.1 GIF 87a



GIF87a640x480.gif



GIF87a160x120.gif



GIF87a60x80.gif GIF87a80x60.gif

6.4.2 GIF 89a

The animation is that the "12345" in the images revolves.



Figure 2a



Figure 2b



Figure 2c



Figure 2d

Figure 2a AnimatedGIF89a640x480.gif

Figure 2b AnimatedGIF89a160x120.gif

Figure 2c AnimatedGIF- 89a60x80.gif

Figure 2d AnimatedGIF89a80x60.gif

6.4.3 Small GIF Images



GIF1.gif



GIF2.gif



GIF3.gif



GIF4.gif



GIF5.gif



GIF6.gif



GIF7.gif



GIF8.gif



GIF9.gif



GIF10.gif

6.4.4 GIF Image with long name



Long_file_name_for_gif_image_60X80_with_non_ASCII_characters_ooo_Length_is_93_characters.gif

6.4.5 GIF1-40kB.GIF - GIF10-40kB.GIF



GIF1-40kB.GIF



GIF2-40kB.GIF



GIF3-40kB.GIF



GIF4-40kB.GIF



GIF5-40kB.GIF



GIF6-40kB.GIF



GIF7-40kB.GIF



GIF8-40kB.GIF



GIF9-40kB.GIF



GIF10-40kB.GIF

6.5 JPG Images



JPG640x480.jpg



JPG160x120.jpg



JPG60x80.jpg



JPG80x60.jpg



JPG80X60-1DHTMarker.jpg



JPG80X60-4DHTMarkers.jpg

6.5.1 JPG1000x500



JPG1000x500.jpg

6.5.2 JPG1600x1200-550kB



JPG1600x1200-550kB.jpg.JPG

6.5.3 JPG1650x1238-392kB



6.5.4 object-jpeg1-640x480-45kB - object-jpeg10-640x480-45kB



object-jpeg1-640x480-45kB.JPG



object-jpeg2-640x480-45kB.JPG



object-jpeg3-640x480-45kB.JPG



object-jpeg4-640x480-45kB.JPG



object-jpeg5-640x480-45kB.JPG



object-jpeg6-640x480-45kB.JPG



object-jpeg7-640x480-45kB.JPG



object-jpeg8-640x480-45kB.JPG



object-jpeg9-640x480-45kB.JPG



object-jpeg10-640x480-45kB.JPG

6.5.5 object-JPG-EXIF.jpg



EXIF information:

Make - Nokia

Model - N80

Orientation - Top left

XResolution - 300

YResolution - 300

ResolutionUnit - Inch

YCbCrPositioning - Centered

ExifOffset - 132

FNumber - 3.50

ExifVersion - 0220

DateTimeOriginal - 2006:01:04 10:49:38

DateTimeDigitized - 2006:01:04 10:49:38

ComponentsConfiguration - YCbCr

ApertureValue - F 3.51

LightSource - Auto

Flash - Not fired

FocalLength - 4.70 mm

FlashPixVersion - 0100

ColorSpace - sRGB

ExifImageWidth - 640

ExifImageHeight - 480

CustomRendered - Normal process

ExposureMode - Auto

WhiteBalance - Auto

DigitalZoomRatio - 1.00 x

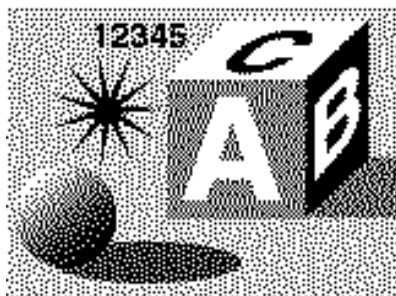
SceneCaptureType - Standard

6.5.6 JPG1650x1238

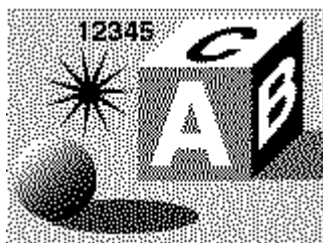


6.6 WBMP Images

WBMP images are presented here as BMP images.



WBMP_640x480.wbmp



WBMP_160x120.wbmp



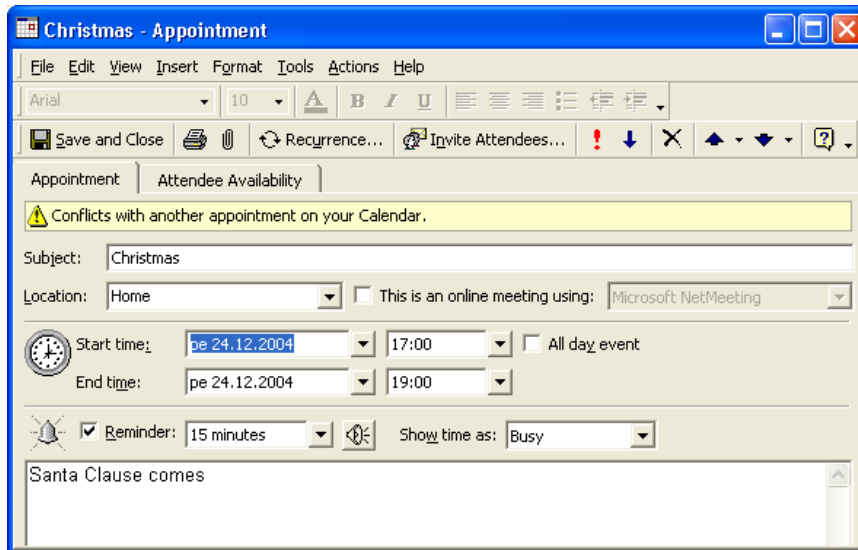
WBMP_60x80.wbmp



WBMP_80x60.wbm

6.7 vCalendar

6.7.1 Christmas.vcs



6.7.2 WrapPresents.vcs

```
BEGIN:VCALENDAR
VERSION:1.0
BEGIN:VTODO
DUE:20051224T160000Z
COMPLETED:20051224T133000Z
DESCRIPTION:Remember to wrap Christmas presents
SUMMARY:Wrap presents
PRIORITY:1
CATEGORIES:PERSONAL
END:VTODO
END:VCALENDAR
```


6.8 vCard

6.8.1 John Doe.vcf

The screenshot shows a contact management window titled "Untitled - Contact". It has a menu bar (File, Edit, View, Insert, Format, Tools, Actions, Help) and a toolbar with icons for saving, deleting, and other actions. The "General" tab is selected, showing fields for Full Name, Job title, Company, File as, Address, Business, E-mail, and Web page address. The contact information is as follows:

Field	Value
Full Name...	
Job title:	Tester
Company:	OMA
File as:	Doe, John
Address...	4275 Executive Square La Jolla, CA 92037 USA
Business	
E-mail	john.doe@omaorg.org
Web page address:	

There is a checkbox labeled "This is the mailing address" which is checked.

6.8.2 Jane Doe.vcf

The screenshot shows a contact management window titled "Untitled - Contact". It has a menu bar (File, Edit, View, Insert, Format, Tools, Actions, Help) and a toolbar with icons for saving, deleting, and other actions. The "General" tab is selected, showing fields for Full Name, Job title, Company, File as, Address, Business, E-mail, and Web page address. The contact information is as follows:

Field	Value
Full Name...	
Job title:	Tester
Company:	OMA
File as:	Doe, Jane
Address...	4275 Executive Square La Jolla, CA 92037
Business	
E-mail...	jane.doe@isp.net
Display as:	(jane.doe@isp.net)
Web page address:	
IM address:	

There is a checkbox labeled "This is the mailing address" which is checked.

6.8.3 EmptyADRfield.vcf

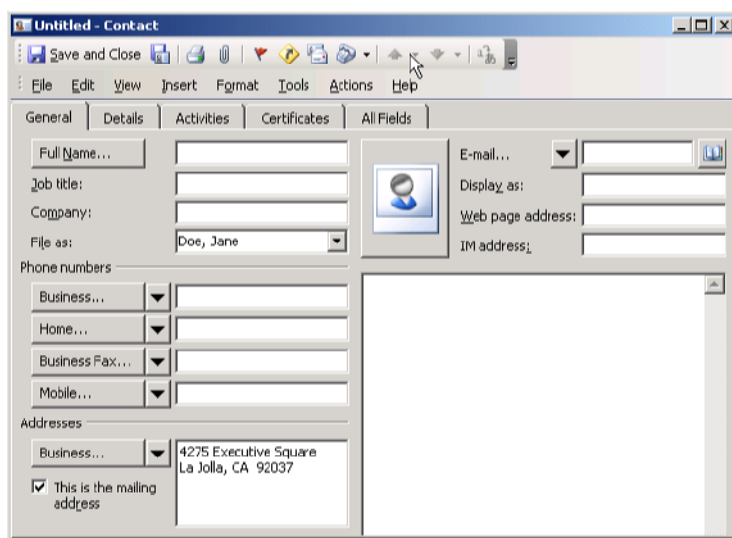
The screenshot shows a contact management window titled "Untitled - Contact". The window has a menu bar with "File", "Edit", "View", "Insert", "Format", "Tools", "Actions", and "Help". Below the menu bar are tabs for "General", "Details", "Activities", "Certificates", and "All Fields". The "General" tab is selected. The form contains the following fields:

- Full Name... (text box)
- Job title: (text box)
- Company: (text box)
- File as: (dropdown menu showing "Empty, John")
- Phone numbers section with four rows: Business..., Home..., Business Fax..., and Mobile..., each with a dropdown menu and a text box.
- Addresses section with a "Business..." dropdown menu and a text box.
- A checkbox labeled "This is the mailing address" which is unchecked.
- On the right side, there is a profile picture icon, an "E-mail..." dropdown menu, and text boxes for "Display as:", "Web page address:", and "IM address:".

6.8.4 Postcard_John_Doe.vcf

The screenshot shows the same contact management window, but now it contains data. The "File as" dropdown menu shows "Doe, John". The "Business..." address dropdown menu is selected, and the text box next to it contains "4275 Executive Square" and "La Jolla, CA 92037". The "This is the mailing address" checkbox is now checked. All other fields remain empty.

6.8.5 Postcard_Jane_Doe.vcf



6.9 AMR

audio1NB.amr	(Male voice): "Hello Hello",	approximately 3 seconds
audio2NB.amr	(Male voice): "This is a male voice" (followed by: (Female voice): "This is a Female voice",	approximately 5 seconds
audio3NB.amr	(Female voice): "The birch canoe smeared on the smooth plank. Glue the sheet to the dark blue background",	approximately 12 seconds
30k_basic_AMR.amr	(Classic music): File size is 29kB	approximately 45 seconds
100k_rich_AMR.amr	(Classic music): File size is 99kB	approximately 2 minutes and 35 seconds
300k_rich_AMR.amr	(Classic music): File size is 299 kB	approximately 7 minutes and 50 seconds
310k_AMR.amr	(Classic music): File size is 310kB	approximately 8 minutes and 8 seconds
20sec_audio.amr	(Vocal Music): File size is 32Kb	approximately 20 seconds

6.10 3GPP_VIDEO

qcif_video.3gp	(Piano): QCIF 176x144, audio AMR	approximately 8 seconds, size 84 kb
sub-qcif_video.3gp	(Piano): sub-QCIF 128x96, audio AMR	approximately 8 seconds, size 82 kb
VideoRich300k.3gp	(Lakeview): QCIF 176x144, audio AMR	approximately 20 seconds, size 199 kb
EnhancedAACplusAudio.3gp	(Music): audio eAAC+	approximately 11 seconds, 140 kb
612k.3gp size 612 kb	(Demo): QCIF 176x144, audio AMR	approximately 1 minutes and 37 seconds,

6.11 3gpp2-13kSpeechClips

- audio1.qcp
- audio2.qcp
- audio3.qcp
- 20sec_audio.qcp
- 20sec_audio_13k.qcp

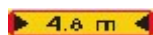
6.12 3gpp2-video_test_clips

Bit rate: 30 Kpbs
 qcif -- 10 fps
 scif -- 15 fps
 AMR dtx disabled
 Duration: 15 seconds

- h263_13k_qcif.3g2
- h263_13k_sqcif.3g2
- h263_amr_qcif.3g2
- h263_amr_sqcif.3g2
- mp4_13k_qcif.3g2
- mp4_13k_sqcif.3g2
- mp4_amr_qcif.3g2
- mp4_amr_sqcif.3g2

6.13 DRM content

int-3.dm



int-5.dr

int-5.dcf

int-14.dm

SeperateValid.dr

CombinedValid.dr

6.14 Other formats

Audio.mid	(Music)	approximately 3 minutes and 52 seconds
song.imy	(iMelody mobile phone ring-tone format)	Use for song.imy
song.mp3	(Male voice)	approximately 2 seconds
song.mp3	(Arrow sound)	approximately 1 seconds

image.png



115x65

Appendix A. Change History

(Informative)

A.1 Approved Version History

Reference	Date	Description
n/a	n/a	No prior version –or- No previous version within OMA

A.2 Draft/Candidate Version 1.3 History

Document Identifier	Date	Sections	Description
Draft Versions OMA-IOP-MMS-ETS-Content-V1_3	05 Feb 2006	n/a	Agreed in IOP-MEC to move to permanent doc site.
	14 Feb 2006	n/a	Incorporated CRs: OMA-IOP-MEC-2006-0165R01 OMA-IOP-MEC-2006-0176 OMA-IOP-MEC-2006-0149
	24 Apr 2006	n/a	Incorporated CRs: OMA-IOP-MEC-2006-0259 OMA-IOP-MEC-2006-0241R03 OMA-IOP-MEC-2006-0260
	12 Jun 2006	n/a	Incorporated CR OMA-IOP-MEC-2007-0014R01
	02 Feb 2007	n/a	Incorporated CR: OMA-IOP-MEC-2006-0471
	08 Feb 2007	n/a	IOP WG agreed
Candidate Version OMA-IOP-MMS-ETS-Content-V1_3	02 Mar 2007	n/a	Status changed to Candidate by TP (R&A 2007-02-28 to 2007-03-02) TP ref # OMA-TP-2007-0087R03- INP_OMA_ETS_MMS_CON_V1_3_and_OMA_ETS_MMS_content_ V1_3_for_Candidate_Approval.zip
Draft Version OMA-IOP-MMS-ETS-Content-V1_3	24 Oct 2007	n/a	Incorporated CRs: OMA-IOP-MEC-2007-0056 OMA-IOP-MEC-2007-0059R01 OMA-IOP-MEC-2007-0095
	14 Dec 2007	n/a	IOP WG agreed, IOP doc. ref. # OMA-IOP-2007-0268- INP_Updated_MMS_V1_3_content_ETS
Candidate Version OMA-IOP-MMS-ETS-Content-V1_3	28 Jan 2008	n/a	Prepared for TP notification as <u>OMA-TP-2007-0500- INP_ETS_MMS_Content_V1_3_for_Notification.zip</u>
Draft Version OMA-IOP-MMS-ETS-Content-V1_3	20 Feb 2008	n/a	Incorporated CRs: OMA-IOP-MEC-0009 OMA-IOP-MEC-0010 OMA-IOP-MEC-0025 OMA-IOP-MEC-0026
Candidate Version OMA-IOP-MMS-ETS-Content-V1_3	31 Mar 2008	n/a	Prepared for TP notification as OMA-TP-2008-0127- INP_MMS_1.3_Content_ETS_for_Notification
Draft Version OMA-IOP-MMS-ETS-Content-V1_3	04 Jul 2008	6.5.6	Incorporated CR: OMA-IOP-MEC-2008-0109
Candidate Version OMA-IOP-MMS-ETS-Content-V1_3	18 Jul 2008	n/a	Prepared for TP notification as OMA-TP-2008-0280- INP_MMS_1.3_Content_ETS_for_notification

Appendix B. Table of alternative characters (UTF-8 encoding)

If the user interface of an MMS client device is unable to allow entry of any of the characters given in the reference content file “Short_Text_UTF-8.txt”, then alternative characters from the table below may be substituted on a one-for-one basis.

Char	Description	Hex code
¡	inverted exclamation	A1
¢	cent sign	A2
£	pound sign	A3
¤	currency sign	A4
¥	yen sign	A5
¦	broken bar	A6
§	section sign	A7
¨	umlaut	A8
©	copyright sign	A9
ª	feminine ordinal	AA
«	left angle quotes	AB
¬	logical not sign	AC
–	soft hyphen	AD
®	registered trademark	AE
—	spacing macron	AF
°	degree sign	B0
±	plus-minus sign	B1
²	superscript 2	B2
³	superscript 3	B3
´	spacing acute	B4
µ	micro sign	B5
¶	pilcrow	B6
·	middle dot	B7
¸	spacing cedilla	B8
¹	superscript 1	B9
º	masculine ordinal	BA

»	right angle quotes	BB
¼	one quarter	BC
½	one half	BD
¾	three quarters	BE
¿	inverted question mark	BF
À	A grave	C0
Á	A acute	C1
Â	A circumflex	C2
Ã	A tilde	C3
Ä	A diaeresis	C4
Å	A ring	C5
Æ	AE ligature	C6
Ç	C cedilla	C7
È	E grave	C8
É	E acute	C9
Ê	E circumflex	CA
Ë	E diaeresis	CB
Ì	I grave	CC
Í	I acute	CD
Î	I circumflex	CE
Ï	I diaeresis	CF
Ð	ETH	D0
Ñ	N tilde	D1
Ò	O grave	D2
Ó	O acute	D3
Ô	O circumflex	D4
Õ	O tilde	D5
Ö	O diaeresis	D6
×	multiplication sign	D7
Ø	O slash	D8

Ù	U grave	D9
Ú	U acute	DA
Û	U circumflex	DB
Ü	U diaeresis	DC
Ý	Y acute	DD
Þ	THORN	DE
ß	sharp s	DF
à	a grave	E0
á	a acute	E1
â	a circumflex	E2
ã	a tilde	E3
ä	a diaeresis	E4
å	a ring	E5
æ	ae ligature	E6
ç	c cedilla	E7
è	e grave	E8
é	e acute	E9
ê	e circumflex	EA
ë	e diaeresis	EB
ì	i grave	EC
í	i acute	ED
î	i circumflex	EE
ï	i diaeresis	EF
ð	eth	F0
ñ	n tilde	F1
ò	o grave	F2
ó	o acute	F3
ô	o circumflex	F4
õ	o tilde	F5
ö	o diaeresis	F6

÷	division sign	F7
ø	o slash	F8
ù	u grave	F9
ú	u acute	FA
û	u circumflex	FB
ü	u diaeresis	FC
ý	y acute	FD
þ	thorn	FE
ÿ	y diaeresis	FF