



Specification Change Document
WAP-192_105-WBXML-20011015-a
Version 15-Oct-2001

for

Wireless Application Protocol
WAP-192-WBXML-20010725-a
Binary XML Content Type Specification
Version 1.3 25-July-2001

A list of errata and updates to this document is available from the WAP Forum™ Web site, <http://www.wapforum.org/>, in the form of SIN documents, which are subject to revision or removal without notice.

© 2001, Wireless Application Protocol Forum, Ltd. All Rights Reserved. Terms and conditions of use are available from the WAP Forum™ Web site (<http://www.wapforum.org/what/copyright.htm>).

© 2001, Wireless Application Forum, Ltd. All rights reserved.

Terms and conditions of use are available from the WAP Forum™ Web site at <http://www.wapforum.org/what/copyright.htm>.

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. You may not use this document in any other manner without the prior written permission of the WAP Forum™. The WAP Forum authorises 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 offered by you.

The WAP Forum™ assumes no responsibility for errors or omissions in this document. In no event shall the WAP Forum be liable for any special, indirect or consequential damages or any damages whatsoever arising out of or in connection with the use of this information.

WAP Forum™ members have agreed to use reasonable endeavors to disclose in a timely manner to the WAP Forum the existence of all intellectual property rights (IPR's) essential to the present document. The members do not have an obligation to conduct IPR searches. This information is publicly available to members and non-members of the WAP Forum and may be found on the "WAP IPR Declarations" list at <http://www.wapforum.org/what/ipr.htm>. Essential IPR is available for license on the basis set out in the schedule to the WAP Forum Application Form.

No representations or warranties (whether express or implied) are made by the WAP Forum™ or any WAP Forum member or its affiliates regarding any of the IPR's represented on this 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.

This document is available online in PDF format at <http://www.wapforum.org/>.

Known problems associated with this document are published at <http://www.wapforum.org/>.

Comments regarding this document can be submitted to the WAP Forum™ in the manner published at <http://www.wapforum.org/>.

Contents

1	SCOPE.....	4
2	NOTATION	4
3	CORRECT SCRS IN WBXML V1.3, SPECIFICATION DATE 25TH JULY 2001.....	5
3.1	CHANGE CLASSIFICATION	5
3.2	CHANGE SUMMARY.....	5
3.3	CHANGE DESCRIPTION.....	5
5.	BINARY XML CONTENT STRUCTURE.....	5
6	ENCODING SEMANTICS	5
6.1	DOCUMENT TOKENISATION.....	5
6.2	DOCUMENT STRUCTURE CONFORMANCE	6
6.3	ENCODING DEFAULT ATTRIBUTE VALUES	6
6.4	ASSOCIATING XML DOCUMENTS WITH WBXML TOKEN VALUES.....	6
9	STATIC CONFORMANCE REQUIREMENTS	6
9.1	1.1WBXML DOCUMENT	6
9.2	1.2WBXML ENCODER.....	7
9.3	1.3WBXML DECODER.....	8

1 Scope

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

- WAP-192-WBXML-20010725-a

It includes changes from the following change requests:

- CR-IBM-WBXML-20011015

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.

3 Correct SCRs in WBXML V1.3, Specification date 25th July 2001

3.1 Change Classification

Class 3 – Clerical Corrections

3.2 Change Summary

The WAP-192-WBXML-20010725-a specification contains SCRs that are not in the appropriate format.

Additionally part of the WAP-192.101-WBXML SIN was not rolled into this updated spec.

Impacts sections 5, 6 and 9 of the specification.

3.3 Change Description

Editor's note: On page <<number>>

The following changes refer to the referenced sections of the WBXML specification

5. Binary XML Content Structure

Conformance Rules:

WBXML-S-001.	Binary XML Structure	M
WBXML-C-001	Binary XML Structure	M

6 Encoding Semantics

6.1 Document Tokenisation

Conformance Rules:

WBXML-S-002.	Conversion of all XML mark-up, excluding unparsed entities, into tokens	M
WBXML-S-003.	Preservation Removal of processing instructions intended for the tokeniser	O
WBXML-S-004.	Removal of all comments, the XML declaration, and the document type declaration information not covered in SC16, and SC17	M

WBXML-S-005:	Conversion of all text into String or Entity tokens	M
WBXML-S-006:	Conversion of all XML parsed entities into string or entity tokens	M
WBXML-S-007:	Conversion of all XML unparsed entities into string or entity tokens	O
WBXML-S-012	Preservation of Processor Instructions NOT intended for the tokeniser	M
WBXML-S-013	Encoding of attribute names as an attribute start token or a single LITERAL token	M

6.2 Document Structure Conformance

Conformance Rules:

WBXML-S-008:	Checking that document is well-formed	M
WBXML-S-009:	Document validation	O

6.3 Encoding Default Attribute Values

Conformance Rules:

WBXML-S-010:	Encoding default attribute values	O
WBXML-C-010	Encoding default attribute values	M

6.4 Associating XML Documents with WBXML Token Values

Conformance Rules:

WBXML-C-011:	Support both the binary token value and the literal value for all tags, attribute names, and attribute values.	M
--------------	--	---

9 Static Conformance Requirements

The notation used in this appendix is specified in [CREQ].

This section defines static conformance requirements for WBXML documents, encoder, and decoder. The encoder is producing WBXML documents. The decoder is reading WBXML documents.

9.1 [1.1](#) WBXML Document

Identifier	Structure	Reference	Mandatory/Optional	Requirement
WBXML-S-001:	Binary XML Structure	5	M	

Identifier	Structure	Reference	Mandatory/ Optional	Requirement
WBXML-C-001	Binary XML Structure	5	M	

9.2 ~~1.2~~WBXML Encoder

If a WBXML encoder does not support an optional feature, the token stream produced may not be optimal, but any WBXML decoder will be able to interpret the tokens without errors.

Identifier	Encoding semantics	Reference	Mandatory/ Optional	Requirement
WBXML-S-002.	Conversion of all XML mark-up, excluding unparsed entities, into tokens	6.1	M	
WBXML-S-003.	Preservation Removal of Processor Instructions intended for the tokeniser	6.1	O	
WBXML-S-004.	Removal of all comments, the XML declaration, and the document type declaration information not covered in SC16, and SC17	6.1	M	
WBXML-S-005.	Conversion of all text into String or Entity tokens	6.1	M	
WBXML-S-006.	Conversion of all XML parsed entities into string or entity tokens	6.1	M	
WBXML-S-007.	Conversion of all XML unparsed entities into string or entity tokens	6.1	O	
WBXML-S-008.	Checking that document is well-formed	6.2	M	
WBXML-S-009.	Document validation	6.2	O	
WBXML-S-010.	Encoding default attribute values	6.3	O	
WBXML-C-010	Encoding default attribute values	6.3	M	
WBXML-S-012	Preservation of Processor Instructions NOT intended for the tokeniser	6.1	M	
WBXML-S-013	Encoding of attribute names as an attribute start token or a single LITERAL token	6.1	M	

9.3 ~~1.3~~WBXML Decoder

Identifier	Decoding semantics	Reference	Mandatory/ Optional	Requirement
WBXML- C- 011-	Support both the binary token value and the literal value for all tags, attribute names, and attribute values.	6.4	M	