

**Specification Information Note**  
**WAP-174\_004-UAPROF-20010208-a**  
Version 08-Feb-2001

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for

Wireless Application Protocol  
WAP-174-UAPROF-19991110-a  
User Agent Profiling Specification  
Version 10-Nov-1999

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# 1. Scope

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

- WAP-174-UAPROF-19991110-a
- WAP-174-100-a

It includes changes from the following change requests:

CR-UAPROF-NOKIA-1.DOC (Oct 2,00), CR-UAProf – Nokia-2.doc, T2x00160 - LS from 3GPP T2 SWG1 (MExE) (11/27/00), CR-001212-UAProf-Ericsson-B.doc, CR-2-UAProf-Ericsson.doc CR-UAProf-SEC-20000925-Pictogram, Ericsson-CR-2.doc, CR-UAProf-SEC-20001201-TokenTable.html

# 2. Notation

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

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

### 3. Remove inconsistencies between the SCR and the Specification

#### 3.1 Change Classification

Class 2 – Bug Fixes

#### 3.2 Change Summary

Remove inconsistencies between the Static Conformance Requirements and the specification.

#### 3.3 Change Description

## A.8 Static Conformance Requirements

### 9.2.2 The Profile-Diff Header

The syntax of the Profile-Diff header **MUST** conform to the production of [4]. The CC/PP-profile in production [7] **MUST SHOULD** be encoded using WBXML as specified in Section 8.

#### 1.5.9 Profile Header

WAG-UA--SH-003	Is the CC/PP profile specified in [7] encoded using WBXML as specified in section 8?	9.2.2	<del>M</del> <u>O</u>
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#### 1.5.4 Schema Extensions

Item	Function	Reference	Status
WAG-UA-SE-005	Has the CC/PP document been expressed using the abbreviated syntax?	7.7	<del>M</del> <u>O</u>

#### 1.5.5 UAProf new attributes

Item	Function	Reference	Status
WAG-UA-SU-004	Are the values of all attributes expressed as strings or RDF resources?	7.7.2	<del>M</del> <u>O</u>

#### 1.5.6 Additional tokens

Item	Function	Reference	Status
WAG-UA-ST-003	For every component defined, is there a series of token table code pages containing the properties from its component?	8.1.4	<del>M</del> <u>O</u>
WAG-UA-ST-004	For every such code page, is there at least two	8.1.4	<del>M</del> <u>O</u>

	properties defined: one in the "Tag" space, and one in the "Attribute" space?		
WAG-UA-ST-005	Are the attributes listed in each page?	8.1.4	<del>M</del> <u>O</u>
WAG-UA-ST-006	Are any well-known values for the properties inserted into the "Attribute" page?	8.1.4	<del>M</del> <u>O</u>

### 1.5.8 Document validation

Item	Function	Reference	Status
WAG-UA- SD-003	Does the process raise an error when encountering documents that are not well-formed Profile documents?	8.2.2	<del>M</del> <u>O</u>

## 4. Remove minor bug in section 7.3

### 4.1 Change Classification

Class 2 – Bug Fixes

### 4.2 Change Summary

Remove minor bug in section 7.3 of the specification and reflect the change in the SCR.

### 4.3 Change Description

## 7.3 Attributes

For example, the *ModelNumber* attribute has a resolution semantic identified as *Locked*. This implies that the first non-default description of the attribute is the final value or that subsequent instantiations of the attribute description cannot change the value of that attribute. On the other hand, an attribute such as ~~ImageCapable~~ColorCapable has a resolution semantic of *Override* which means that of the multiple descriptions of the attribute, only the last one is ultimately used to determine the final value.

## A.8 Static Conformance Requirements

Item	Function	Reference	Status
WAG-UA-GD-001	Does the decoder <del>consider significant</del> <u>disregard</u> the encoding means applied to a markup construct?	8.2.3	M

## 5. Correction of MexE related attributes

### 5.1 Change Classification

Class 2 – Bug Fixes

### 5.2 Change Summary

Correction of MexE related attributes in the UAProf vocabulary.

### 5.3 Change Description

## 7.5 User Agent Profile and Base Vocabulary

```
<?xml version="1.0"?>
<rdf:RDF xmlns:rdf = "http://www.w3.org/TR/1999/02/22-rdf-syntax-ns##"
  xmlns:rdfs = "http://www.w3.org/1999/PR-rdf-schema-19990303#"
  xmlns:prf="http://www.wapforum.org/UAPROF/ccppschem-20000405#">

  <!-- ***** -->

  <!-- ***** Component: Software Platform ***** -->

  [...]

  <rdf:Description ID="JVMVersion">

    <rdf:type rdf:resource="http://www.w3.org/TR/PR-rdf-schema#Property"/>

    <rdf:type rdf:resource="http://www.w3.org/TR/PR-rdf-schema#Bag"/>

    <rdfs:domain rdf:resource="#SoftwarePlatform"/>

    <rdfs:comment>

      Description:  List of the Java virtual machines installed on the
                    device. Each item in the list is a name token describing
                    the vendor and version of the VM.

      Type:        Literal

      Resolution:  Append

      Examples:    "SunJRE/1.2", "MSJVM/1.0"

    </rdfs:comment>
  </rdf:Description>

</rdf:RDF>
```



## A.1 Summary of User Agent Profile Schema

<u>Attribute</u>	<u>Description</u>	<u>Resolution Rule</u>	<u>Type</u>	<u>Sample Values</u>
<b>Component: SoftwarePlatform</b>				
JVMVersion	List of the Java virtual machines installed on the device.	Append	Literal (bag)	"SunJRE/1.2", "MSJVM/1.0"

## 6. Addition of the host attribute

### 6.1 Change Classification

Class 2 – Bug Fixes

### 6.2 Change Summary

The host attribute, which is a part of the Warn-target non-terminal, is left out from the UAProf specification.

### 6.3 Change Description

#### 9.2.3 The Profile-Warning header

[12.] Warn-target = Uri-value | host [ ":" port ]

## 7. Correction of binary tokens associated with the core vocabulary.

### 7.1 Change Classification

Class 2 – Bug Fixes

### 7.2 Change Summary

Correction of binary tokens associated with the core vocabulary.

### 7.3 Change Description

## 8.2 Encoding Semantics

[...]

<i>Tag Name</i>	<i>Token</i>
prf:InputCharSet	12
prf:Keyboard	13
prf:Model	15
prf:OutputCharSet	16
prf:PointingResolution	17
prf:ScreenSize	18
prf:ScreenSizeChar	19
prf:NumberOfSoftKeys	1A
prf:SoundOutputCapable	1B
prf:TextInputCapable	1C
prf:Vendor	1D
prf:VoiceInputCapable	1E
prf:AcceptDownloadableSoftware	1F
prf:AudioInputEncoder	20
prf:DownloadableSoftwareSupport	21
prf:JVMVersion	23
prf:MexClassmark	24
prf:MexSpec	25

<i>Tag Name</i>	<i>Token</i>
prf:OSName	<b>26</b>
prf:OSVendor	27
prf:RecipientAppAgent	29
prf:SoftwareNumber	2A
prf:VideoInputEncoder	2B
prf:CurrentBearerService	2C
prf:SecuritySupport	2D
prf:SupportedBearers	2E
prf:WapDeviceClass	2F
prf:WapPushMsgPriority	30
prf:WapPushMsgSize	31
prf:WapVersion	32
prf:WmlDeckSize	33
prf:WmlScriptLibraries	34
prf:WmlScriptVersion	35
prf:WmlVersion	36
prf:WtaiLibraries	37
prf:WtaVersion	38
prf:PixelAspectRatio	39
prf:StandardFontProportional	<del>40</del> <b>3A</b>
prf:WapSupportedApplications	<del>41</del> <b>3B</b>

*Table 8.3: Tag Tokens, Code Page 1*

<u>Tag Name</u>	<u>Token</u>
rdf:Description	6
rdf:Alt	7
rdf:Bag	8
rdf:Seq	9
rdf:li	A
rdf:type	B
prf:component	C
prf:Defaults	D
prf:BitsPerPixel	E
prf:ColorCapable	F
prf:CPU	10
prf:ImageCapable	11
prf:InputCharSet	12
prf:Keyboard	13
prf:Model	15
prf:OutputCharSet	16
prf:PointingResolution	17
prf:ScreenSize	18
prf:ScreenSizeChar	19
prf:NumberOfSoftKeys	1A
prf:SoundOutputCapable	1B
prf:TextInputCapable	1C
prf:Vendor	1D
prf:VoiceInputCapable	1E
prf:AcceptDownloadableSoftware	1F
prf:AudioInputEncoder	20

**Table 8.3: Tag Tokens, Code Page 1**

### 8.3.2.2 Core Vocabulary

The following tokens represent the start of an attribute in code page one (1). All numbers are in hexadecimal.

<u>Tag Name</u>	<u>Token</u>
prf:DownloadableSoftwareSupport	21
prf:JVMVersion	23
prf:Mexeclassmark	24
prf:Mexespec	25
prf:OSName	26
prf:OSVendor	27
prf:OSVersion	28
prf:RecipientAppAgent	29
prf:SoftwareNumber	2A
prf:VideoInputEncoder	2B
prf:CurrentBearerService	2C
prf:SecuritySupport	2D
prf:SupportedBearers	2E
prf:WapDeviceClass	2F
prf:WapPushMsgPriority	30
prf:WapPushMsgSize	31
prf:WapVersion	32
prf:WmlDeckSize	33
prf:WmlScriptLibraries	34
prf:WmlScriptVersion	35
prf:WmlVersion	36
prf:WtaiLibraries	37
prf:WtaVersion	38
prf:PixelAspectRatio	39
prf:StandardFontProportional	<del>40</del> <u>3A</u>
prf:WapSupportedApplications	<del>41</del> <u>3B</u>

<u>Attribute Name</u>	<u>Attribute Value Prefix</u>	<u>Token</u>
rdf:resource		5
rdf:resource	<a href="http://www.wapforum.org/UAPROF/ccppschem-20000405#HardwarePlatform">http://www.wapforum.org/UAPROF/ccppschem-20000405#HardwarePlatform</a>	6
rdf:resource	<a href="http://www.wapforum.org/UAPROF/ccppschem-20000405#SoftwarePlatform">http://www.wapforum.org/UAPROF/ccppschem-20000405#SoftwarePlatform</a>	7
rdf:resource	<a href="http://www.wapforum.org/UAPROF/ccppschem-20000405#NetworkCharacteristics">http://www.wapforum.org/UAPROF/ccppschem-20000405#NetworkCharacteristics</a>	8
rdf:resource	<a href="http://www.wapforum.org/UAPROF/ccppschem-20000405#WAPCharacteristics">http://www.wapforum.org/UAPROF/ccppschem-20000405#WAPCharacteristics</a>	9
rdf:resource	<a href="http://www.wapforum.org/UAPROF/ccppschem-20000405#BrowserUA">http://www.wapforum.org/UAPROF/ccppschem-20000405#BrowserUA</a>	A
prf:BitsPerPixel		10
prf:ColorCapable	Yes	11
prf:ColorCapable	No	12
prf:CPU		13
prf:ImageCapable	Yes	14
prf:ImageCapable	No	15
prf:InputCharSet		16
prf:Keyboard		17
prf:Model		19

<u>Attribute Name</u>	<u>Attribute Value Prefix</u>	<u>Token</u>
prf:OutputCharSet		1A
prf:PointingResolution		1B
prf:ScreenSize		1C
prf:ScreenSizeChar		1D
prf:_NumberOfSoftKeys		1E
prf:SoundOutputCapable	Yes	20
prf:SoundOutputCapable	No	21
prf:TextInputCapable	Yes	22
prf:TextInputCapable	No	23
prf:Vendor		24
prf:VoiceInputCapable	Yes	25
prf:VoiceInputCapable	No	26
prf:PixelAspectRatio		27
prf:StandardFontProportional	Yes	28
prf:StandardFontProportional	No	29
prf:AcceptDownloadableSoftware	Yes	30
prf:AcceptDownloadableSoftware	No	31
prf:AudioInputEncoder		32
prf:DownloadableSoftwareSupport		33
prf:JVMVersion		37
prf:MexeClassmark		38
prf:MexeSpec		39
prf:OSName		3A
prf:OSVendor		3B
prf:OSVersion		3C
prf:RecipientAppAgent		3D
prf:SoftwareNumber		3E

<u>Attribute Name</u>	<u>Attribute Value Prefix</u>	<u>Token</u>
prf:VideoInputEncoder		3F
prf:CurrentBearerService		50
prf:SecuritySupport		51
prf:SupportedBearers		52
prf:WapDeviceClass		60
prf:WapPushMsgPriority		61
prf:WapPushMsgSize		62
prf:WapVersion		63
prf:WmlDeckSize		64
prf:WmlScriptLibraries		65
prf:WmlScriptVersion		66
prf:WmlVersion		67
prf:WtaiLibraries		68
prf:WtaVersion		69

**Table 8.6: Attribute Start Tokens, Code Page 1**