Specification Information Note

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Wireless Application Protocol
WAP-190-WAE Spec – 2000-03-29-a

Wireless Application Environment Specification
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1. Scope

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

- WAP-190-WAE Spec – 2000-03-29-a

It includes changes from the following change requests:

Change Request	Title	Comments
CR-WAE1_3-SEC-20000929-GWBehaviour-04	Clarification of WAP Gateway behaviour	Clarification on the following WAP gateway behaviour: • When a WAP Gateway should encode WML/WMLScript contents into the binary format • What a WAP Gateway should do with the content which media type is not supported by the client • What a WAP Gateway should do with the content which media type is not supported by the WAP Gateway itself
CR-WAE1_3-SEC-20000929-GWBehaviour-05	Clarification of WAP Gateway behaviour (additional change which overrides CR-WAE1_3-SEC-20000929-GWBehaviour-04)	The wording was changed to allow the gateway to send the content in the format preferred by the user agent even if the user agent supports multiple media type.

2. Notation

In the subsections describing the changes new text is <u>underlined</u>. 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. GW Behaviour Clarification

3.1 Change Classification

Class 3 – Clerical Corrections

3.2 Change Summary

The required WAP Gateway behaviour is not clearly described in the current version of WAE specification. This SCD clarifies the following fundamental behaviour:

- When a WAP Gateway should encode WML/WMLScript contents into the binary format
- What a WAP Gateway should do with the content which media type is not supported by the client
- What a WAP Gateway should do when the user agent prefers original media type

The following section(s) is known to be impacted:

- 5.1.4 User Agent Characteristics

3.3 Change Description

Editor's note: 5.1.4 User Agent Characteristics

5.1.4 User Agent Characteristics

In order to optimise the WAE client-server model, a number of characteristics are sent from the user agent to the WAP origin server. These characteristics allow the origin server to avoid sending inappropriate content to the user agent. They also provide the server and gateway with a means of customising the response for a particular user agent.

A WAP Gateway MUST encode WML and WMLScript contents into the binary form if the WAE User Agent supports only the binary form. A WAP Gateway MAY transform any other contents into a reasonable media type when the original media type is not supported by the WAE User Agent. A WAP Gateway MUST transmit contents transparently when the WAE User Agent prefers~~supports~~ the original media type. If the WAP Gateway cannot send a response which is acceptable to the WAE User Agent, the WAP Gateway SHOULD respond as defined in [RFC2616]. See Sections 14.1 and 10.4.7 of [RFC2616] for guidance.

The general mechanisms designed to provide this functionality is described in detail in [UAPROF].A WAE User Agent that wants to convey characteristics for supported Media Type, Charsets and Language must do so using the HTTP/WSP Accept headers (Accept, Accept-Charset and Accept-Language) [WSP],. This is done regardless of the existance of any UAProf support in the WAE client.~~,~~ WAP Gateways MUST assume the value of Accept headers as defined in [RFC2616].

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