Specification Information Note

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for

Wireless Application Protocol
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Wireless Application Environment Overview
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1. Scope

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

- WAP-195-WAEOverview-2000-03-29-a

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.

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3. Internationalisation

3.1 Change Classification

Class 3 – Clerical Corrections

3.2 Change Summary

3.3 Change Description

Editor's note: In Section 7.6

Internationalisation

The WAE architecture is designed to support mobile terminals and network applications using a variety of languages and character sets. This work is collectively described as internationalisation (referred to as I18N). It is a design goal of WAE to be fully global in its nature in that it supports any language.

WAE models a significant amount of its I18N architecture based on WWW and, in particular, on SGML and HTTP technologies. For example, it is assumed that HTTP headers are used to specify the current character encoding and language of any content delivered to the user agent.

The WAE architecture makes the following assumptions regarding I18N:

- WAE user agents will have a current language and will accept content in a set of well-known character encoding sets.
- Origin server-side applications can emit content in one or more encoding set and can accept input from the user agent in one or more encoding set.

The IANA registry of character sets and languages is used to define the encoding and language characteristics (see http://www.iana.org/iana/ for more information.) Content fetched by a WAE user agent via WSP will be described by two attributes: the *Character set* (i.e., the character encoding used in the content) and the *Language* (i.e., the default language for the document.) These attributes are encapsulated in the WSP/HTTP *Content-Type* and *Content-Language* headers. User agents must not render glyphs that cannot be reconciled to the encoding and language characters specified either in IANA or ISO for a particular charset name (e.g., US-ASCII, ISO-8859-x etc). Used character set names must be registered with IANA.

WAE has adopted the [ISO10646] (Unicode 2.0) standard as the basis for all character data. Unicode contains the majority of the characters and symbols present in human languages and are widely supported in the Internet community. WAE does not mandate which character encoding a user agent must support.

Most components of WAE contain I18N-specific support.

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