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The Unicode code points and IDNA - Unicode 6.0 draft-faltstrom-5892bis-01.txt

Abstract

This document specifies IETF consensus related to and changes made to Unicode when version 6.0 was released on Oct 11 2011. The consensus is that no update is needed to RFC 5892 based on the changes made in Unicode 6.0.

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1. Introduction

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[RFC 5892 \(Faltstrom, P., "The Unicode Code Points and Internationalized Domain Names for Applications \(IDNA\)," August 2010.\)](#) [RFC5892] specifies an algorithm that based on [The Unicode Standard \(The Unicode Consortium, "The Unicode Standard, Version 6.0.0," October 2010.\)](#) [Unicode6] defines a derived property value. Unicode 6.0 has changed GeneralCategory to three codepoints that in turn imply the derived property value changes when the IDNA 2008 algorithm is applied.

1.1. U+0CF1 KANNADA SIGN JIHVAMULIYA

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The GeneralCategory changes for this character from So to Lo. This implies the derived property value will change from DISALLOWED to PVALID.

1.2. U+0CF2 KANNADA SIGN UPADHMANIYA

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The GeneralCategory changes for this character from So to Lo. This implies the derived property value will change from DISALLOWED to PVALID.

1.3. U+19DA NEW TAI LUE THAM DIGIT ONE

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The GeneralCategory changes for this character from Nd to No. This implies the derived property value will change from PVALID to DISALLOWED.

2. IETF Consensus

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No change to RFC 5892 is needed based on the changes made in Unicode 6. This consensus does not imply that no changes will be made to RFC 5892 for all future updates of The Unicode Standard.

The IETF will produce a new RFC of this type for every change of The Unicode Standard even when there are no changes being made to RFC 5892, such as is the case for this document.

3. IANA Considerations

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3.1. IDNA derived property value registry

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IANA is to update the derived property value registry according to RFC 5892 and property values in The Unicode Standard.

4. Security Considerations

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When the algorithm presented in RFC 5892 is applied to Unicode 6.0 the result will be different from when it is applied to Unicode 5.2 for the three codepoints discussed in this document. IETF consensus is though that the changes are minor, and that it is important IDNA standard is aligned with the Unicode Standard.

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5. Acknowledgements

The main contributors are (in alphabetical order) Eric Brunner-Williams, Vint Cerf, Tina Dam, Mark Davis, John Klensin, Pete Resnick, Markus Scherer, Andrew Sullivan, Kenneth Whistler and Nicholas Williams.

6. References

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6.1. Normative References

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[RFC5892]	Faltstrom, P., " The Unicode Code Points and Internationalized Domain Names for Applications (IDNA) ," RFC 5892, August 2010 (TXT).
[Unicode6]	The Unicode Consortium, "The Unicode Standard, Version 6.0.0," October 2010.

6.2. Informative References

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