

PRECIS Mappings

draft-yoneya-precis-mappings-01

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Changes from -00 to -01

- -00 proposed following mappings:
 - Width mapping
 - Delimiter mapping
- -01 added special mapping as other mappings.
- Discussion items in -00 are remained unresolved.

Special mapping (1/2)

- Certain protocols have characters which need to map different character from mapping rule defined PRECIS Framework.
 - Ex: LDAPprep [RFC4518] defines the rule that some codepoints are mapped to SPACE (U+0020).
 - Ex: Extensible Authentication Protocol [RFC3748], SASLprep [RFC4013] and IMAP4 Access Control List Extension [RFC4314] define the rule that Non-ASCII space characters [Stringprep, C.1.2] can be mapped to SPACE (U+0020). These characters were prohibited in Stringprep [RFC3454].

Special mapping (2/2)

- Is delimiter mapping one of mappings depend on protocol rules?
 - If it is one of a mapping depend on protocol rules, can delimiter mapping shrink as special mapping?

Additional case mapping

- Is additional case mapping considered that mapping depend on language context?
 - Ex: Does the case folding for special characters (examples are following) need special handling?
 - GREEK SMALL LETTER FINAL SIGMA “ς” (U+03C2)
 - LATIN SMALL LETTER SHARP S “ß” (U+00DF)
 - LATIN CAPITAL LETTER I WITH DOT ABOVE “İ” (U+0130)
 - LATIN SMALL LETTER DOTLESS I “ı” (U+0131)
- If additional case mapping is needed, it may overlap case mapping in PRECIS Framework.
 - PRECIS Framework provides to choice using case mapping.
- If additional case mapping is used, order dependency is happened between the case mapping and additional case mapping.

Discussion

- Followings are other unresolved items:
 - Whether mappings other than case are targets of PRECIS or not?
 - If they are target, are they a part of PRECIS Framework or separate ones like IDNA Mapping (RFC5895)?
 - Are there other mappings not described in this document? For example, migration from Stringprep (RFC3454) to PRECIS Framework needs some special treatment?

Next step

- Dose WG adopt this document as PRECIS WG I-D?
 - Rough consensus was to adopt it as WG document at Taipei meeting.
 - <http://tools.ietf.org/wg/precis/minutes?item=minutes82.html>