

# Mapping characters for PRECIS classes

draft-ietf-precis-mappings-07

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# An issue raised in IETF88

- Context-dependent characters are mapped into unintended characters by the users. This goes against local-case mapping's original intention.
  - Greek's final sigma is not one of the targets for local case sigma of the mappings-05.

# A solution for an issue

- Change the local case mapping definition as following.
  - 1. Local case mapping as an alternative to case mapping in PRECIS framework.**
  - 2. Target characters of local case mapping are characters described in SpecialCasing.txt.**
    - **Non-target characters are handled by Unicode Default Case Folding.**

[pros] Greek final sigma( $\varsigma$ ), German eszett( $\beta$ ), Turkish dotless i( $\text{ı}$ ), etc. will not be mapped contrary to the user expectation.

[cons] Unless a new definition to map between small sigma( $\sigma$ ) and final sigma( $\varsigma$ ) has been added, final sigma will be mapped to sigma.

# Issues raised during 2nd WG LC

1. There are some obscure terms and sentences in :
  - Abstract
  - Section 2.3, 3 and 4
  - Appendix A and B
  
2. Should locale-dependent characters be target characters of local case mapping?
  - Is there any interoperability problems when a target character is local-case-mapped?
  
3. Whether this document should be “Standard track” or “Informational”?

# A solution for 1st issue

1. There are some obscure terms and sentences.
  - **Revise text (as suggested) and add explanations.**

# A solution for 2nd issue(1/2)

2. Should locale-dependent characters be targeted the characters of local case mapping?
  - **Authors prefer to the keep the current definition.**
    - **If target characters are context-dependent character only, German eszett (a locale-dependent character) will be mapped contrary to the user expectation.**

$\beta(\text{U+00DF}) \xrightarrow{\text{Unicode Default Case Folding}} \text{ss}(\text{U+0073 U+0073})$

# A solution for 2nd issue(2/2)

2. Should locale-dependent characters be targeted the characters of local case mapping?

– **Other solution**

- Define extra mapping table for sigma and eszett  
[pros] Only Greek final sigma and German eszett will not be mapped contrary to the user expectation.

[cons] It will be necessary to update this document to follow unicode's updated version.

# A solution for 3rd issue

3. Whether this document should be “Standard track” or “Informational”?
  - **Authors prefer to the keep the mappings document informational.**
    - **Because, the mappings document is dealing localization and intended to be a supplementary guideline for the framework document.**