RFCs related to handling of variants

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IDNA2008

- RFCs 5890, 5891, 5892, 5893 (and rationale in RFC 5894)

- Why relevant:
    - Obsoletes IDNA2003
    - Alters the characters available
    - Some backwards incompatibility (e.g. Greek final sigma, eszett vs ss)
    - Joiners are not mapped away

JET guidelines

- RFC 3743

- Original introduction of "variant" term into IETF parlance for this case

- Provides a full mechanism

- Does *not* provide recommendations for any given language, but aimed at "CJK"

JET "Generalized"

- RFC 4290

- Generalizes the basic approach of RFC 3743

- Describes a "CreateBundle" mechanism

- Recommends language-sensitive policies
  - This is ultimately very similar to recommendations in IDNA2008

Chinese guidelines

- RFC 4713

- Specific discussion of registration of Chinese domain names as adopted by CNNIC and TWNIC

- At root, an implementation of RFC 3743 with language-specific details

Cyrillic Guidelines

- RFC 5992

- A table-based approach similar to RFC 3743, but without the third column

- Divides the code space into Base Cyrillic, and then adds language-specific additional code points

- Seems implied (but not stated) that registration requests come with a language tag

Arabic Guidelines

- RFC 5564

- Raises a number of issues about ways Arabic characters ought and ought not to be used

- Not based on RFC 3743

- Not really registration guidelines as such, but more linguistic advice for how to build a policy