

IDN Implementation Guidelines (IDNG) Working Group (WG)

Notes from Meeting on 22 December, 2016

Meeting Attendees (in alphabetical order)

WG members:

1. Dennis Tanaka
2. Edmon Chung
3. Mats Dufberg
4. Satish Babu

Staff:

5. Sarmad Hussain

Meeting Notes

The WG members continued the discussion on the document and the recommendations to be proposed for public comment. Updated document *IDN Guidelines 4.0 20161222* was discussed.

- 1. Automatic activation of variants.** The recommendation to allow for automatically activating variants in the context of Chinese was discussed. The members suggested to remove the reference to a specific language and RFC 3743. It was explained that the recommendation focuses on not disallowing automatic activation. Impact of such activation was discussed, and it was suggested that the burden on registrant may not be significant. However, there is also impact on registrar end. Due to these factors, it should be restricted to cases where the script community asks for it. It was noted that script community is not well-defined. WG noted that this can be helpful indicator, in the way that where there is clear script community and its documentation is available, its recommendation can be used, and where a script community is missing, it indicates a lack of script community consensus. As for the cost of additional variants as a burden to registrant due to automatic activation, this needs to be discussed further. It was also suggested to allow registries to manage the business models (whether they treat this as billable transaction or not). The recommendation should be revised taking the discussion in consideration.
- 2. Grandfathering current registrations.** The WG members thought that the recommendation is too detailed and may be brought to a higher level. The members also noted that though the different cases are covered, but the recommendation does not require an action. As this recommendation was initially developed to address homoglyphic registrations which may pose a security issue, it should be discussed if the recommendation should translate into a concrete action. Further, the recommendation should be moved to a separate section as it is more broadly applicable.
- 3. Recommendation 5 in version 3.0.** The recommendation comments on not mixing code points across scripts, unless such conventions exist for a language. The WG agreed to retain the recommendation. The WG discussed that mingling code points from different scripts is needed in some cases, and is allowed through the second sentence which calls for exceptions in known cases. The WG discussed if the second sentence is sufficient or if such cases, like digits, should be made more explicit. The WG agreed that the last sentence should be removed, as the new

recommendation on harmonizing variants and homoglyphs would address it more clearly and explicitly. The recommendation would be revised based on this discussion.

- 4. Harmonization of IDN tables for a zone.** The WG discussed that there were two separate items which needed to be addressed for harmonization: (i) cross-script homoglyphic labels, and (ii) within-script variant labels. These could be two different recommendations. Script mixing cases are prevented by recommendation 5 being re-introduced. The WG members suggested that the second case of variant labels would include homoglyphs but this could be made explicit as well in case variants do not include all homoglyphs within a script. The WG also discussed that variant rules must be implemented for scripts which have variant code points. The WG agreed to review the recommendation for the two use cases and refer to intentional.txt and root zone LGR.
- 5. Next meeting.** The WG members agreed to keep a weekly schedule, starting again on 5 January, 2017.

Action Items

S. No.	Action Items	Owner
1	<i>Re-write the recommendation on automatic activation based on the current input for further discussion</i>	EC
2	<i>Recommendation on grandfathering current registrations should be updated per the current discussion</i>	KF
3	<i>Update recommendation 5 from version 3.0 to include in the current version, to address the discussion on mingling scripts and removing the last sentence</i>	MD
4	<i>Update the recommendation on harmonization of LGRs/IDN tables for the registries, addressing the two use cases identified</i>	DT