

# 1 Japanese Generation Panel (JGP)'s Proposal to Integration Panel (IP)

2 - An idea regarding to reduce 'allocatable' labels in Japanese LGR -

## 3 4 Objective

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6 According to "Statement of IP for JGP" as of Jul 2, 2016, JGP is required to reduce  
7 'automatically generated allocatable variants' by IP.

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9 This document intends to show JGP's idea to reduce 'automatically generated  
10 allocatable variants'.

## 11 12 Background

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14 Fundamentally, JGP doesn't define any variants in its LGR-alpha. In addition, any  
15 combination of characters in the repertoire should be allowed as a Japanese TLD  
16 label.

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18 All the variants in JGP's LGR-beta are imported from CGP's and KGP's LGR-alpha  
19 by CJK integration procedure. Therefore, ideally, any variant labels generated  
20 except for applied-for label can be considered irrelative and can be 'blocked' instead of  
21 'allocatable'. But some of imported variants are considered 'old/new' form of  
22 Japanese Kanji, and some of Japanese organizations use them as variants and  
23 registered both of them as their domain names, such as '慶應(U+6176 U+61C9) / 慶応  
24 (U+6176 U+5FDC)'. To accomodate such demand, JGP proposed that any variant  
25 labels generated to be 'allocatable'.

## 26 27 JGP's idea

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29 As JGP explained previously, even though automatically generated variant labels  
30 were large number (>100), only very few of them were registered by the same  
31 registrant in JP domain names. This fact suggests that if registrants (TLD  
32 applicants) can designate very limited number of variants to be allocatable, their  
33 demands are to be satisfied. JGP is understanding that this procedure requires  
34 human intervention so it is outside of LGR process. JGP's idea is, to introduce new  
35 disposition which denotes 'blocked by default, but can be allocatable under restricted  
36 condition', say, 'blocked-unless-designated'. For the note, the definition of the

37 'restricted condition' is outside of the LGR process and is under discussion between  
38 ICANN and CJK GPs.

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## 40 Mechanism

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42 For all code points (CPs), they have 'r-allocatable' (reflexive allocatable) type for  
43 themselves. For all variant code points (VCPs) for each CP, they have 'allocatable',  
44 'blocked' or 'out-of-repertoire' type depend on they were in original (LGR-alpha)  
45 repertoire.

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47 In WLE, there are following four dispositions:

48 1) 'invalid' if any CPs in label are 'out-of-repertoire'

49 2) 'blocked' if any CPs in label are 'blocked'

50 2) 'activated' if all CPs in label are 'r-allocatable'

51 3) 'blocked-unless-designated' otherwise

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53 Following is an example of such definition:

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```
55 <char cp="4E05" tag="sc:Hani"> <!-- "丌" -->  
56   <var cp="4E05" type="out-of-repertoire-var" comment="identity" />  
57   <var cp="4E0B" type="blocked" />  
58 </char>  
59 <char cp="4E0B" tag="sc:Hani"> <!-- "下" -->  
60   <var cp="4E05" type="blocked" />  
61   <var cp="4E0B" type="r-allocatable" comment="identity" />  
62 </char>  
63 <char cp="673A" tag="sc:Hani"> <!-- "机" -->  
64   <var cp="673A" type="r-allocatable" comment="identity" />  
65   <var cp="6A5F" type="allocatable" />  
66 </char>  
67 <char cp="6A5F" tag="sc:Hani"> <!-- "機" -->  
68   <var cp="673A" type="allocatable" />  
69   <var cp="6A5F" type="r-allocatable" comment="identity" />  
70 </char>  
71  
72 <rules>
```

73 <action disp="invalid" any-variant="out-of-repertoire-var" />  
74 <action disp="blocked" any-variant="blocked" />  
75 <action disp="activated" only-variants="r-allocatable" />  
76 <action disp="blocked-unless-designated" comment="catch all" />  
77 </rules>

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79 In this example, if registrant (TLD applicant) applied for a label U+673A U+4E0B,  
80 dispositions of generated labels are:

81

82 U+673A U+4E0B: activated

83 U+673A U+4E05: blocked

84 U+6A5F U+4E0B: blocked-unless-designated

85 U+6A5F U+4E05: blocked

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87 The label U+6A5F U+4E0B can be allocated by outside of the LGR (but inside the  
88 whole process of TLD application) only if the registrant designated it as a variant  
89 label. Maximum number of such designation is limited in a small number by  
90 ICANN.

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## 92 Conclusion

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94 Despite this idea requires human intervention outside of the LGR process, it can  
95 significantly decrease allocatable labels. In other words, from the LGR process point  
96 of view, it generates only one 'activated' and otherwise 'blocked' (remember that  
97 'blocked-unless-designated' is 'blocked' by default).

98 JGP hopes this idea can be acceptable by IP.