

Domain name generation policy: Digits-only label

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Domain name generation rule

□ Global standard

- ◆ “The labels must start with a letter, end with a letter or digit, and have as interior characters only letters, digits, and hyphen.” – RFC 1035, IETF <https://infocom2019.ieee-infocom.org/>
- ◆ gTLDs like .com, .net, .org, .me, .asia, .site, .online, .tv allow digits-only labels <http://www.911.com>
- ◆ ccTLDs like .cn, .jp, .uk, .us allow digits-only labels <http://www.911.gov>

□ Domain name generation rule under .kr and .한국 (as of Aug. 14, 2019)

- ◆ Character set: [A-Z][a-z], [0-9], [-], Korean characters ‘한글’ (UTF-8, 11,172 characters)
- ◆ A 2nd level domain name **must not consist of only digits or only hyphens**
- ◆ We expected special usage of digits-only labels as the 2nd level domain name

□ We have allowed digits-only labels as a third level domain name

- ◆ As of April 26, 2017, 4,973 digits-only labels (4,549 labels under co.kr)

□ In 2019, digits-only labels will be allowed under .kr and .한국

Policy considerations

❑ Privacy issue

- ◆ Prohibit registration of the unique identification number of other person such as resident registration number and personal phone number **890123-4567890.kr** **010-4281-7610.kr**

❑ Special numbers for public service

- ◆ According to 「 Telecommunications Business Law 」 and 「 Telecommunication Number Management Bylaws 」
- ◆ Reserve labels for 11Y (except 115), 12Y, 13YY series numbers, 107, 182, and 188

❑ Existing registrants (under .co.kr, .or.kr, ...)

- ◆ No priority

❑ Intellectual property

- ◆ Protect digits-only IP

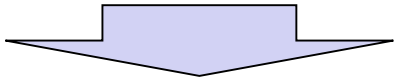
❑ Slang

- ◆ No restrictions

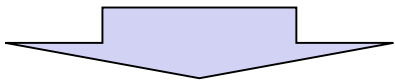
Numbers	Usage
107	Communication relay service for the disable users
182, 188	Civil service (police, audit service)
11Y	Public safety, public order
12Y	Accident report
13YY	Living information service, civil service

Policy development & application process

- ❑ Domain name policy working group in KIGA during 2017

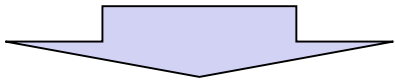


- ❑ Policy study group in KRNIC during 2018

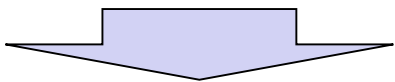


- ❑ Public comments during 2019

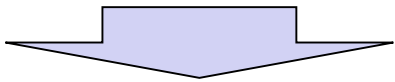
- ◆ KRIGF (Korea Internet Governance Forum), KIGA



- ❑ Final review by the Internet Policy Review Committee (Government organization)



- ❑ Preparation for new naming rule application such as registration system modification



- ❑ Will start digits-only label registration from Dec. 2019

THANKS