4RD Update

Softwire WG
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on behalf of all co-authors

Changes from 08 verion

- Changed DHCPv6 4rd rule options (both 4RD_MAP_RULE and 4RD_NON_MAP_RULE from sub-option to encapsulated option.
    - Raised by Ted Lemon during WGLC
    - According to RFC 7227 (Guidelines for Creating New DHCP Options)
    - After changed, share the same name space with all other DHCPv6 options
- Changed IANA consideration into tables, required by IANA
- "IPv4 dummy address" is now 192.0.0.8/32 , suggested by IANA
- Changed the key words for requirement from "SHOULD" to be "MUST"
    - They should be "MUST" from the beginning
    - Minor editorial/refine changes

Ongoing Work

- Last DISCUSS of IESG Review

  - From Kathleen Moriarty Security AD

  - The first section in the security considerations section on anti-spoofing is difficult to understand

  - With IPv6 ingress filtering effective in the Domain [RFC3704], as required in Section 3 (Figure 1 in particular), and with consistency checks between 4rd IPv4 and IPv6 addresses of Section 4.5, no spoofing opportunity in IPv4 is introduced by 4rd: being able to use as source IPv6 address only one that has been allocated to him, a customer can only provide as source 4rd IPv4 address that which derives this IPv6 address according to Section 4.5, i.e. one that his ISP has allocated to him. (new in red)

  - Will submit an update version next week

Comments are welcomed!

Thank You!