V6OPS WG
IETF 86

IPv6 for 3GPP Cellular Hosts

draft-ietf-v6ops-rfc3316bis-01

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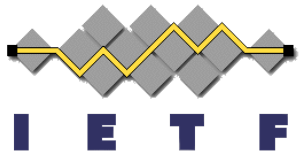


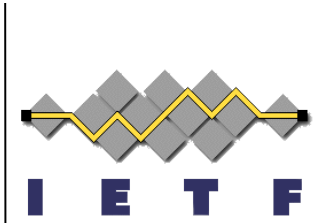
Intro

- This document updates the [RFC3316] and complements the IPv6 node requirements [RFC6434] in places where clarifications are needed for the optimal use of IPv6 over cellular interfaces.

- It is necessary to ensure that cellular hosts are good citizens of the Internet and do IPv6 properly.

- The description is made from a cellular link point of view. Complementary access technologies may be available in the cellular host, but those are not part of this document.

Changes from -00 to -01



- Clarification on NUD on 3GPP cellular links:
  - Concerns “router -> host” NUD case only, which is not really needed/endorsed in 3GPP context.
- An explicit note that the prefix on the link is /64:
  - It was already “there” but now stated more clearly.
- Clarified that DHCPv6 (RFC3315) is not used at all for address autoconfiguration currently:
  - Stateless (RFC3736) and DHCPv6 PD (RFC3633, 6603) are supported.

Next Steps

- Do one more round of checks against RFC6463 if some node requirement needs a special attention from 3GPP cellular point of view.

- Add a pointer to [RFC6459] for PDP Types and PDP Context logic but do not duplicate the text in this document.

- Go to WGLC.

Comments?