Internet Protocol Version 6 (IPv6) for Cellular Hosts

draft-binet-v6ops-cellular-host-reqs-rfc3316update-02

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Scope & Motivations

- Identify an updated set of IPv6-related requirements to be supported by cellular hosts (devices)
  - Both DS and IPv6-only deployment models are covered
  - Means to ease IPv4 service continuity over an IPv6-only network are covered

- Why is this document needed?
  - There is no "IPv6 Profile" document for cellular devices
  - RFC3316 is out of date
  - Harmonize requirements among Operators and device vendors

- Why V6OPS?
  - Experience with RFC6092, RFC6204, etc.
  - IPv6 skills
  - The right place to debate about IPv6 requirements

This document is for…

- Providers to help in preparing documents detailing their device requirements
  - Exchanged with device suppliers

- Vendors to be aware of a minimal set of requirements to allow for IPv6 connectivity and IPv4 service continuity (using an IPv6-only connectivity)

Next Steps

- We request this I-D be a WG Item
- Agree on the scope
  - Consider both handset and CPE-like cellular devices
  - The purpose is not to include all IPv6 features
  - …but to limit to
    - Basic connectivity
    - IPv4 service continuity over IPv6-only network
    - Help in harmonizing IPv6 access over cellular and fixed networks (e.g., FMC context)