

# Internet Protocol Version 6 (IPv6) for Cellular Hosts

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# Scope & Motivation

- What is the scope?
  - IPv6 requirement document update for cellular hosts
  - Dual-Stack and IPv6-only deployments
  - IPv4-service over an IPv6-only transport
- Why is this document needed?
  - There is no “**IPv6 Profile**” document for cellular devices
  - RFC3316 is out of date
  - Harmonize Operators’ requirements towards device Vendors
- Why V6OPS?
  - Experience with RFC6204, RFC6092, etc.
  - IPv6 skills and expertise
  - The right IPv6 requirements forum

# This document is for...

- Operators to help them with the detailed device requirement list preparation
  - Exchanged with device suppliers
- Vendors to be aware of a minimal set of requirements to allow for IPv6 connectivity and IPv4 service continuity (over an IPv6-only transport)

# Next Steps

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