

# **Requirements for IPv6 Enterprise Firewalls**

**(draft-gont-opsec-ipv6-firewall-reqs-01)**

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# Introduction

- It is rather difficult to infer what are reasonable features to expect in an IPv6 firewall
  - Less confidence with the protocols
  - Less operational experience
- Many operators have to resort to writing (probably suboptimal) RFPs from scratch
- We are trying to fill in that gap
- For instance, this document is derived from one of such RFPs

# How the document is organized

- Different categories for the requirements:
  - General Security Features
  - IPv6-Specific Features
  - VPN Security Requirements
  - Denial of Service (DoS) Protection
  - Application Layer Firewall
  - Logging, Auditing and Security Operation Centre (SOC) requirements
  - Console and Events Visualization requirements
  - Reporting requirements

# Requirements

- The document aims to mark different each of the requirements/features as:
  - mandatory
  - recommended
  - optional
- ..in the hopes of defining some baseline functionality.

# Feedback received so far

- Should clearly state which of the requirements are for stateful vs. stateless firewalls
  - such that e.g. a statefull requirement does not preclude stateless firewalls
- Should move the TCP, UDP, and IPv6 low level details into a separate document
  - then this document can reference such documents
- More consistent use of defined terminology
  - e.g. “communication instance” vs. session

# Feedback received so far (II)

- This document can specify the type of data that should be offered to the user, but not the User Interface.

# Comments?

- Interest to take on this document?