Changes in -01

- Revised introductory sections
- Updated terminology
- Requirements section updates
Revised introductory section

- **Overview**  Context and Motivation
- Migrate requirements-related text to Requirements section
Added Terminology

• Reconcile with draft-ietf-dots-use-cases-01
  – DDoS attack target
  – DDoS attack telemetry
  – Countermeasure
Updated Terminology

• DOTS relay
  – Highlight bridging between TCP and UDP signaling, signal aggregation

• DDoS
  – Reconcile with draft-ietf-dots-use-cases-01
Requirements intro

• Emphasize DOTS client control over mitigation
  – No justification required from DOTS client to request or withdraw request for mitigation

• Note possible use of QoS, but emphasize need for DOTS to operate without it
General requirements

• Remove interoperability requirement
  – Redundant: DOTS is motivated by lack of interoperability

• GEN-003: Note need for unidirectional messaging within bidirectional signal channel
  – e.g. notifications from DOTS server

• GEN-005: Data channel MUST use reliable transport
Operational requirements

• OP-001: Emphasize use of UDP, allow fallback to TCP
• New OP-003: Session redirection
• New OP-005: Mitigation Lifetime
• OP-006: Extend possible addressing modes for mitigation scope
• OP-006: Emphasize attack details from client are OPTIONAL, MAY be ignored by server.
Operational requirements, cont’d

• New OP-007: Mitigation efficacy
• New OP-008: Conflict detection and notification
• New OP-009: Lookup caching
• New OP-010: NAT Traversal
Data channel requirements

• Move mutual authentication requirement to security requirements
• Clarify possible use of data channel for black-/white-list management.
• Need feedback
  – WG understanding of data channel role?
  – Missing requirements?
Security requirements

• Extracted from general/operational sections
• Mutual authentication
• Message CIA
• Replay protection
Next steps

• Align with -02 use cases
• Data model requirements?
• Extend data channel requirements?
• Incorporate more WG feedback
THANK YOU