

# draft-ietf-conex-concepts-uses

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# Status

- Major rev from -02 to -03
- -03 published Oct 31
- List feedback since then

## -02 Contents

1. Introduction
2. Concepts
  - 2.1. Definitions
  - 2.2. Non-Goals of ConEx and Common Misconceptions
3. Traffic Management
  - 3.1. Existing Approaches to Traffic Management
4. Exposing Congestion
  - 4.1. ECN - a Step in the Right Direction
5. ConEx Use Cases
  - 5.1. Inform the Operator's Traffic Management
  - 5.2. Consequence: Incentivise Scavenger Transports
  - 5.3. Consequence: User-Controlled Intra-Class Quality of Service (QoS)
  - 5.4. Other Use-Cases
6. Deployment Arrangements
  - 6.1. Incremental Deployment Features of the Protocol Mechanism
  - 6.2. Per-Network Deployment Concepts
  - 6.3. Single Receiving Network Scenario
  - 6.4. Other Initial Deployment Scenarios
7. Potential Issues or Non-Issues
  - 7.1. Congestion as a Commercial Secret
  - 7.2. Self Congestion
8. Security Considerations
  - 8.1. Information Security

## -03 Contents

1. Introduction
2. Concepts
  - 2.1. Congestion
  - 2.2. Congestion-Volume
  - 2.3. Rest-of-Path Congestion
  - 2.4. Definitions
3. Core Use Case: Informing Traffic Management
  - 3.1. Use Case Description
  - 3.2. Additional Benefits
  - 3.3. Comparison with Existing Approaches
4. Other Use Cases
5. Deployment Arrangements
6. Security Considerations

# 3 Core Use Case: Informing Traffic Management

## 3.1 Use Case Description

- Borrowed congestion policer language from - abstract-mech
- Added DSL example

## 3.2 Additional Benefits (formerly use cases)

- Incentivizing scavenger, facilitating intra-class QoS

## 3.3 Comparison with Existing Approaches

- Consolidated -02 intro text and section about existing approaches

## 4 Other Use Cases

- Added informing capacity provisioning use case
- Removed preventing congestion collapse use case

## 5 Deployment Arrangements

- Replaced -02 text with discussion of minimum deployment requirements and pointer to draft-briscoe-conex-initial-deploy-00

## 6 Security Considerations

- Punted to -abstract-mech

# Removed since the -02

- Non-goals and misconceptions
- Discussion of ECN insufficiency
- Potential issues or non-issues: trade secrecy of congestion, self-congestion

# Open issues

- Is congestion policer description too much mechanism for this draft? (ticket 4)
- Sec 3.1 could use a numeric example (ticket 6)
- Congestion policer definition missing (ticket 3)
- Terminology nits (tickets 1, 2, 5)

## Next step

- WGLC