

Compute-Aware Traffic Steering for Midhaul Networks

<draft-lcmw-cats-midhaul-02>

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CATS WG interim meeting, on-line, January 2025

What is the draft about?

- Motivation: application of CATS to radio functional split scenarios (i.e., O-RAN Architecture) for midhaul interface
- Draft contents:
  - Architectural description and applicability of CATS for O-RAN
  - Reference to the compute-related metrics considered in O-RAN specifications
  - High-level description of interactions between O-RAN and IETF (i.e., CATS) control plane components (interface to be defined)

How fits draft with the CATS charter?

- For *“Groundwork may be documented via a set of informational Internet-Drafts, not necessarily for publication as RFCs”*
  - Use cases for steering traffic (i.e., O-RAN case)
  - Requirements for computing metrics and their distribution (i.e., compute metrics currently considered in O-RAN specifications)
- For *“Overall CATS framework & architecture”*
  - interactions between O-RAN and IETF (i.e., CATS) control plane components

How it’s proposed to include their ideas in the WG draft?

- Consider midhaul scenarios in O-RAN as use case, moving O-RAN compute metrics as input for *draft-ietf-cats-usecases-requirements* supported by the O-RAN specifications
- Describe in a separated document the O-RAN and IETF (i.e., CATS) control plane interactions (i.e., interfaces, models, etc) to enable the usage of CATS in O-RAN
  - This would be architectural work, <u>not</u> use cases work