Compute-Aware Traffic Steering for Midhaul Networks

<draft-lcmw-cats-midhaul-00>

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Radio functional split

Common D-RAN
- RU
- DU
- CU

BackHaul

EPC/5GC

Full Split
C-RAN
- RU
- Low PHY
- RF
- FrontHaul
- MidHaul
- High PHY
- MAC
- RLC
- PDCP
- RRC
- DU
- CU
- BackHaul
Motivation
CATS framework applicability for Midhaul

- DU as client of CU instances
  - DU could be also virtualized
- C-PS will take decision on which CU (or Service Instance) deliver all the DU traffic (until any change applies)
- C-NMA and C-SMA will provide views on metrics relevant for networking and compute respectively
- Example refers to RFC9543 network slices for connectivity
Next steps

• Cover open points already identified in the draft

• Collect feedback from WG

• Prepare new version for IETF 120