

Requirements for Abstraction and Control of TE Networks

[draft-ietf-teas-actn-requirements-03.txt](#)

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Background/Motivations of the draft

- This draft is the repository of all ACTN use-cases.
 - draft-klee-teas-actn-connectivity-multi-domain (KT)
 - draft-kumaki-teas-actn-multitenant-vno (KDDI)
 - draft-xu-teas-actn-abstract-alarm-report (CATR)
 - draft-cheng-actn-ptn-requirements (CM)
 - draft-dhody-actn-poi-use-case (Huawei, Ericsson)
 - draft-fang-actn-multidomain-dci (Microsoft)
 - draft-lopez-actn-vno-multidomains (Telefonica)
 - draft-shin-actn-mvno-multi-domain (SKT)
 - draft-xu-actn-perf-dynamic-service-control (CATR)
- From these use-cases, a list of requirements have been derived to be provide input to the Framework draft (now WG document), Info draft and solutions drafts.

Organization of Draft

1. High-level requirements referenced by use-cases
2. Use-case summary
3. Categorized requirements into two categories: (i) service-specific; (ii) network-related.
4. Mapping of requirements into generalized scenarios:
 - Coordination of Multi-destination Service Requirement/Policy
 - Application Service Policy-aware Network Operation
 - Dynamic Service Control Policy Enforcement for Performance and Fault Management
 - E2E VN Survivability and Multi-Layer (Packet-Optical) Coordination for Protection/Restoration
5. Interface requirements derived from Section 4.

Current Status

- Version 3 is mostly editorial updates.
- The draft is stable.
- Ready to move to WG Last Call