ACTN Requirements

http://datatracker.ietf.org/doc/draft-lee-teas-actn-requirement/

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Status Update

- Presented http://datatracker.ietf.org/doc/draft-actn-requirement/ in Dallas.

- Received WG support for the work in TEAS.

- Changed the draft name to: http://datatracker.ietf.org/doc/draft-lee-teas-actn-requirements/

Purpose of this draft

- To create a single requirements document derived from all ACTN use-cases.

- There are three ACTN use-cases updated/submitted to TEAS WG.

  - http://datatracker.ietf.org/doc/draft-klee-teas-actn-connectivity-multi-domain/
  - http://datatracker.ietf.org/doc/draft-kumaki-teas-actn-multitenant-vno/
  - http://datatracker.ietf.org/doc/draft-xu-teas-actn-abstract-alarm-report/ (new)

- There are six ACTN use-cases from ACTN BOF.

  - draft-cheng-actn-ptn-requirements
  - draft-dhody-actn-poi-use-case
  - draft-fang-actn-multidomain-dci
  - draft-lopez-actn-vno-multidomains
  - draft-shin-actn-mvno-multi-domain
  - draft-xu-actn-perf-dynamic-service-control

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.

Next Steps

- ACTN Requirements adopted by the WG.

- Continue to mature the list of requirements in sync with use-cases.

- Provide into to the ACTN Framework draft.