

ALTO performance measurement Cost Metrics

draft-ietf-alto-te-metrics-01

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Document Status Update

- Adopted as WG item together with ALTO Cost Calendar in IETF97 Seoul Meeting
 - Fulfill the Cost Property Extension milestone (May 2015)
- Changed the draft name from draft-ietf-wu-te-metrics to draft-ietf-alto-performance-metrics.
 - Aim at Network Performance Cost Metrics definition rather than only TE related Cost Metric
- Update since last version:
 - Address the relationship confusion with IPPM performance registries
 - Separate network performance Cost Metric definition from TE specific TE Cost Metric Definition
 - Update IANA section based on guideline defined in draft-leiba-cotton-iana-5226bis and provide URL to registry.
 - Update section 2 to highlight on challenges on data source and ALTO cost metric computation.
 - Get in line with ALTO Calendar draft
 - Move measurement interval related text to ALTO calendar draft

Relationship with IPPM registry

- This draft doesn't intend to create new registry for new performance metrics.
- instead, It intends to use the "ALTO cost metric" registry defined in ALTO base protocol (i.e.,[RFC7285] section 14.2) and add a few new entries into this registry.
- "ALTO cost metric" registry is not for new performance metric but for new ALTO cost metric type.
- Action:
 - Clarify in the introduction section that
 - this draft doesn't propose any new performance measurement metric
 - Instead this draft focus on performance measurement related ALTO cost metric definition
 - Clear confusion in the IANA section and emphasize we add some new entries into "ALTO cost metric" registry.
 - Add reference to both new cost metric defined in this document and performance measurement method related RFCs in the ALTO cost metric registry.

Next Step

- Solicit more review and comments?
- Consider other end to end metric?
- Consider further metric aggregation and abstraction?
- Introduce metrics for cellular networks?
 - Requires a new address space and related placeholder