

IPPM Active Sub-Registry: Design and Examples

draft-mornuley-ippm-active-subregistry

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Common + Active Metric Sub-registry

Category

Column | Column |...

Common Registry Indexes and Information

ID | Name | Status | Request | Rev | Rev.Date | Description | Ref Spec |

Metric Definition

Reference Definition | Fixed Parameters |

Method of Measurement

Reference Method | Stream Type | Output | Output | Run-time |
| and Parameters | Type | Units | Param

Comments and Remarks

New Terms

- Fixed Parameters
 - Fixed Parameters are input factors whose value must be specified in the Registry. The measurement system uses these values.
 - referenced metrics supply a list of Parameters, a subset of the Parameters will be designated as Fixed Parameters.
 - For example, Fixed Parameters determine most all of the IPPM Framework convention "packets of Type-P" as described in [RFC2330], such as transport protocol, payload length, TTL, etc.
 - A Parameter which is Fixed for one Registry entry may be designated as a Run-time Parameter for another Registry entry.

New Terms (2)

- Run-Time Parameters
 - Input factors that must be determined, configured into the measurement system, and reported with the results for the context to be complete.
 - The values of these parameters are not specified in the Registry, rather these parameters are listed as an aid to the measurement system implementor or user (they must be left as variables, and supplied on execution).

Example Registry Entries

- IPPM Packet Delay Variation, based on RFC 3393 and RFC 5481
- RTCP-XR Burst/Gap Discard Metric reporting, based on RFC 7003 (end-host metrics)
- Those who expect to use or implement the Registered Metrics should review: are the details sufficient?

BACKUP