

# 66th IETF Meeting – July 2006

## IPPM Working Group

### IPPM bcp reporting registry

<http://www.amsterdamed.org/~henk/draft-stephan-ippm-reporting-registry-00.txt>

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# Overview

- o Motivation
- o Quick tour of the registry
- o ietfOneWayDelayMedian example

# Motivation & benefits

- It is not possible to define a small set of generic metric to report to users.
- It is preferable to fully detail individual metrics applications without precluding to define other applications of (the same) metric later: a registry
- Benefits of per metrics applications ?
  - Parameters, results, default values per metric usage or application
- Benefits of a Registry ?
  - metric definition & application is a continuous process,
  - Parameters, default values differ with application
- Benefits of BCP for reporting ?
  - composition of metric
    - metrics that may be combined for composition
    - Parameters, results, default values to help composition
  - User/ End-user metric
    - End-user metrics: fully detailed set of parameters, results, default values to apply to a IPPM user (stat) metric.
  - End-user metric
    - Ground-truth End-user metric: perceived quality
- Benefits of common BCP for reporting IPPM metrics application and End-users metrics ?

# Presentation of the registry

- Metrics classification
- Protocol neutral data type
- Then list of BCP per metrics
  - Metrics for compositions
  - Users metrics applications
  - End-user metrics
    - Mos, Rfactor

# ietfOneWayDelayMedian example

Classification:

composition, user

Composition:

participating metrics

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ietfOneWayDelayMedian  
ietfSubpathOneWayDelayMedian  
ietfPassiveOneWayDelayMedian  
ietfCompOneWayDelayMedian

composition metric

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ietfCompOneWayDelayMedian  
ietfCompOneWayDelayMedian  
ietfCompOneWayDelayMedian  
ietfCompOneWayDelayMedian

User Applications:

Application	pktSize	PPS	period	law	Timeout
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default	dflt	10	dflt	poisson	2 s
default	dflt	100	dflt	random	2 s
rtp.voip	80	50	10 s	periodic	400ms