

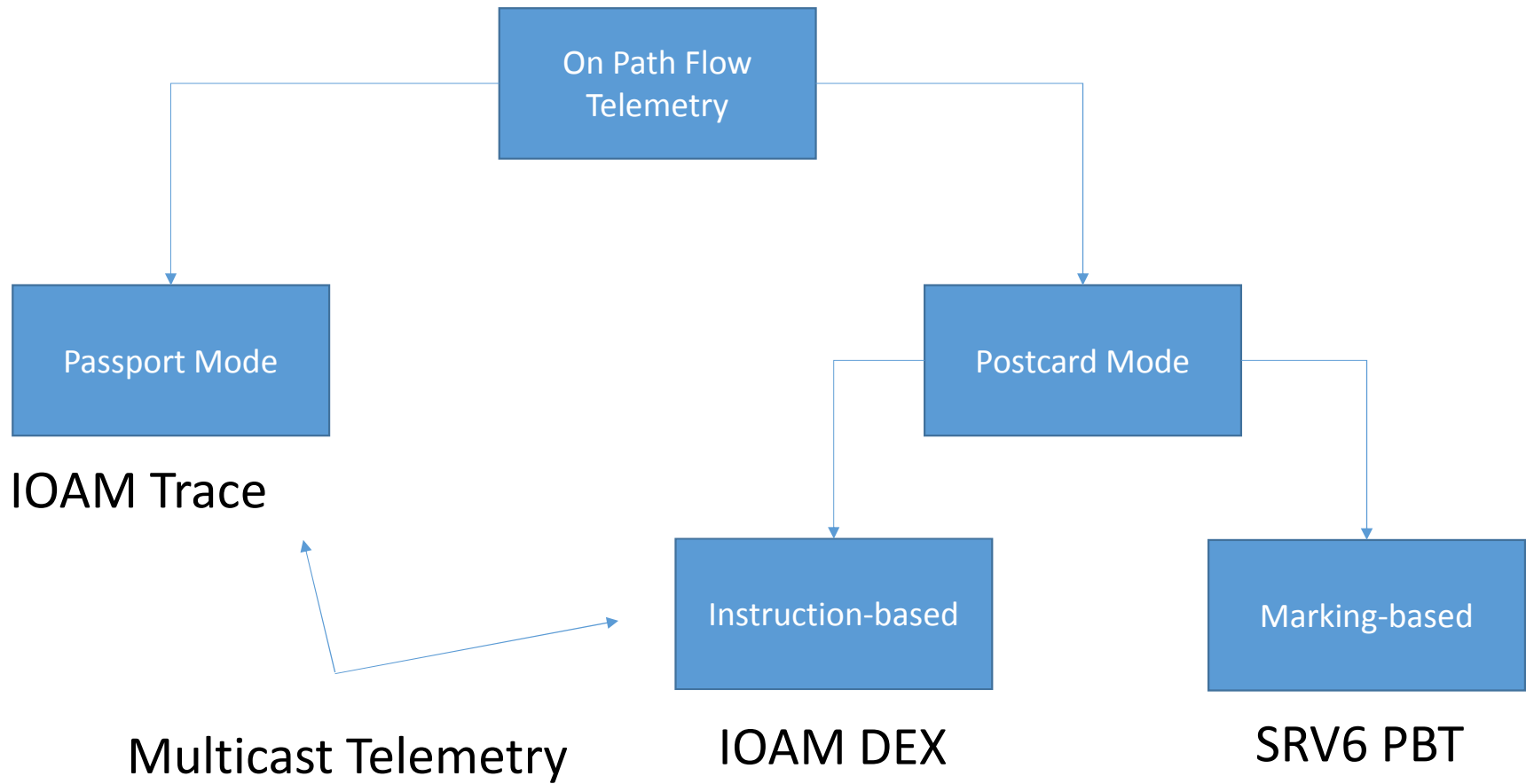
Postcard-based On-Path Flow Data Telemetry

[draft-song-ippm-postcard-based-telemetry-06](#)

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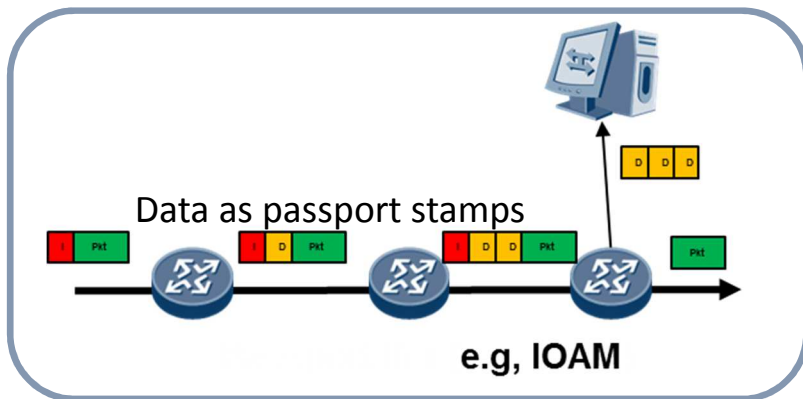
What's New

- Change the status of the draft to “Informational”
- Position PBT-M and PBT-I as two high level approaches of PBT
 - An implementation of PBT-I as an IOAM option: Direct Export
 - An implementation of PBT-M in SRv6



Passport-based On-path Telemetry: IOAM Trace

- Instruction
- Data
- User packet



Forwarding performance impact

Packet size inflation

Encapsulation

Security

Drop awareness & localization

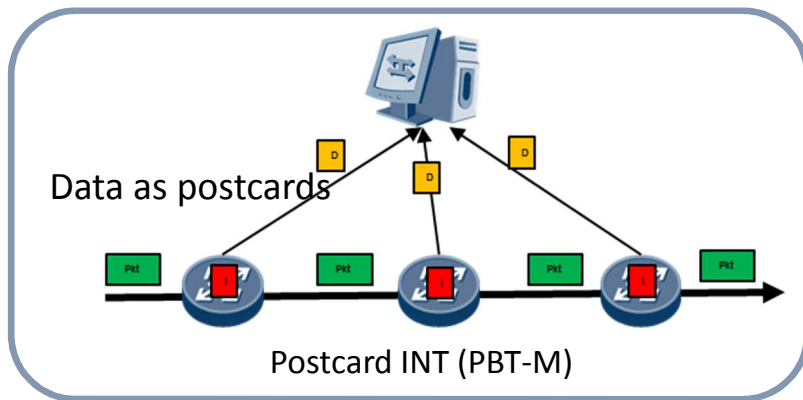
Self-describing

Export overhead

Configuration overhead

Postcard-based On-path Telemetry: PBT-M

- Instruction
- Data
- User packet



Forwarding performance impact

Data correlation

Packet size inflation

Export overhead

Encapsulation

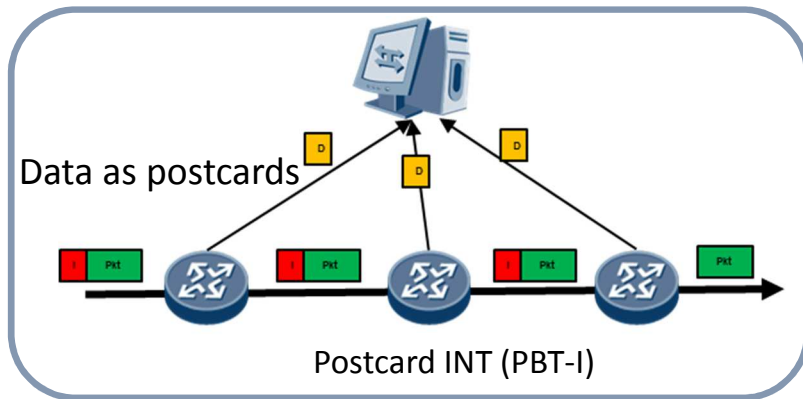
Configuration overhead

Security

Drop localization

Postcard-based On-path Telemetry: IOAM DEX

- Instruction
- Data
- User packet



Forwarding performance impact

Data correlation

Packet size inflation

Export overhead

Encapsulation

Configuration overhead

Security

Drop localization

Why this document

- Describes the high level approach and classification
- Summarizes the pros and cons of each approach
- Details the marking-base PBT which is not covered anywhere else
- This work has motivated several other works
 - Embodiments or standardizations of each approach are covered by separate documents

Next Steps

- Request for WG adoption