

Export User Flow Telemetry Data by Postcard Packets

[draft-song-ippm-postcard-based-telemetry-02](#)

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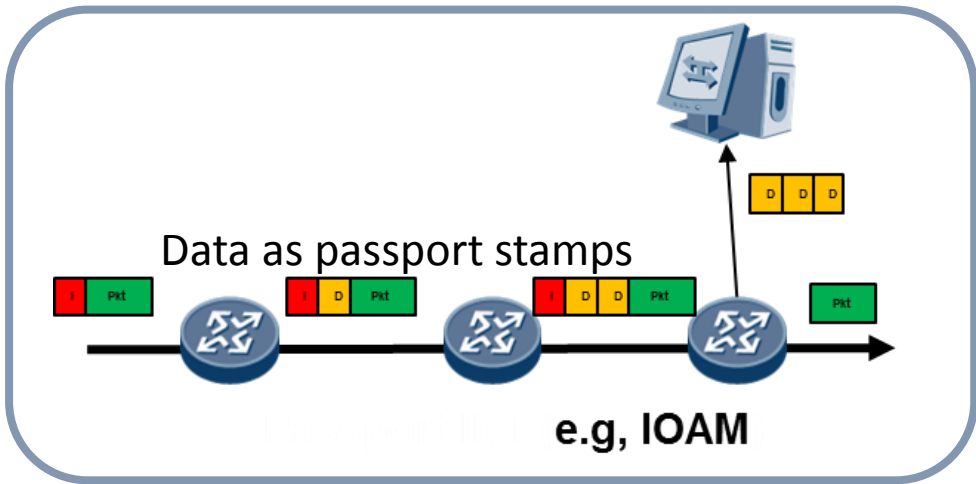
Jongyoon Shin (SK Telecom)

What's New

- Position PBT-I as an independent mode of IOAM in addition to the trace and E2E modes.
- Propose using data set ID to replace the data type bitmap
 - Name Space ID + Data Template ID
- Clarify the approaches of generating flow ID
- Propose the Postcard Format
 - RAW Export
 - IPFIX standard (Preferred)

Passport-based INT: IOAM

- Instruction
- Data
- User packet



Forwarding performance impact

Packet size inflation

Encapsulation

Security

Drop awareness & localization

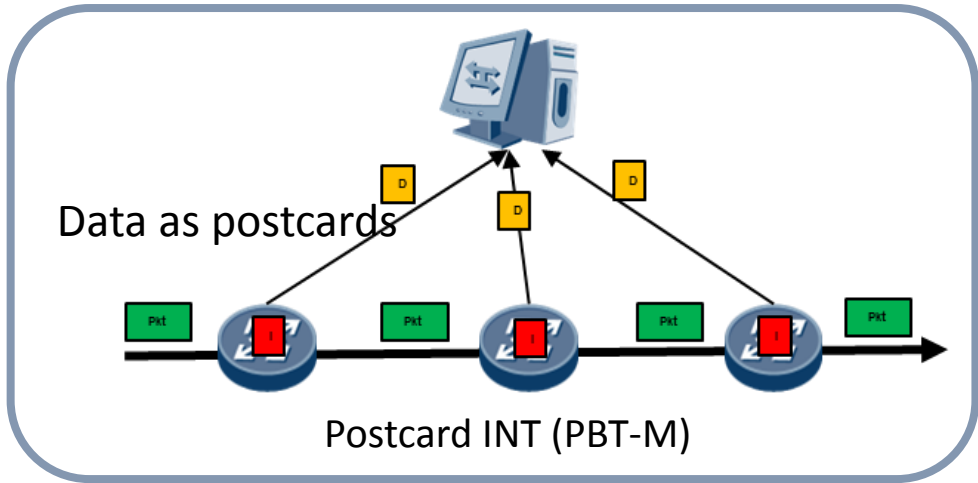
Self-describing

Export overhead

Configuration overhead

Postcard-based INT: PBT-M

- Instruction
- Data
- User packet



Forwarding performance impact

Data correlation

Packet size inflation

Export overhead

Encapsulation

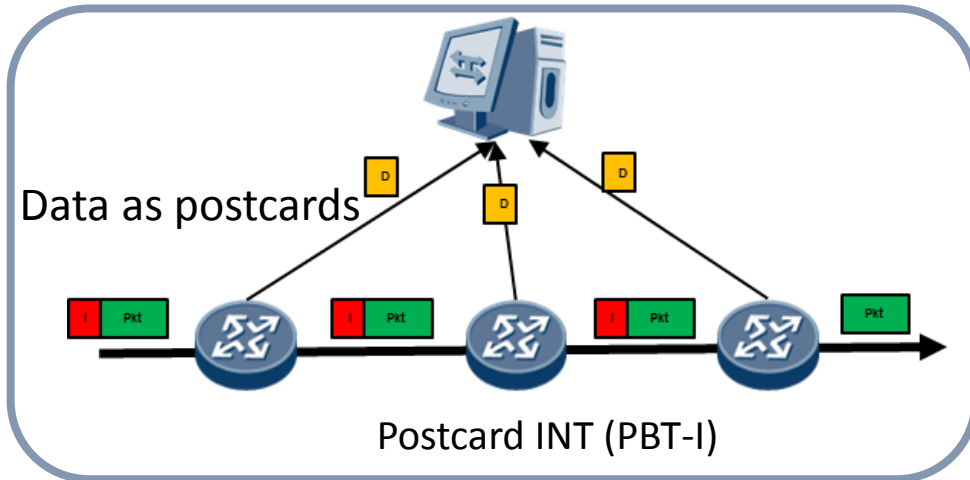
Configuration overhead

Security

Drop localization

Postcard-based INT: PBT-I

- Instruction
- Data
- User packet



Forwarding performance impact

Data correlation

Packet size inflation

Export overhead

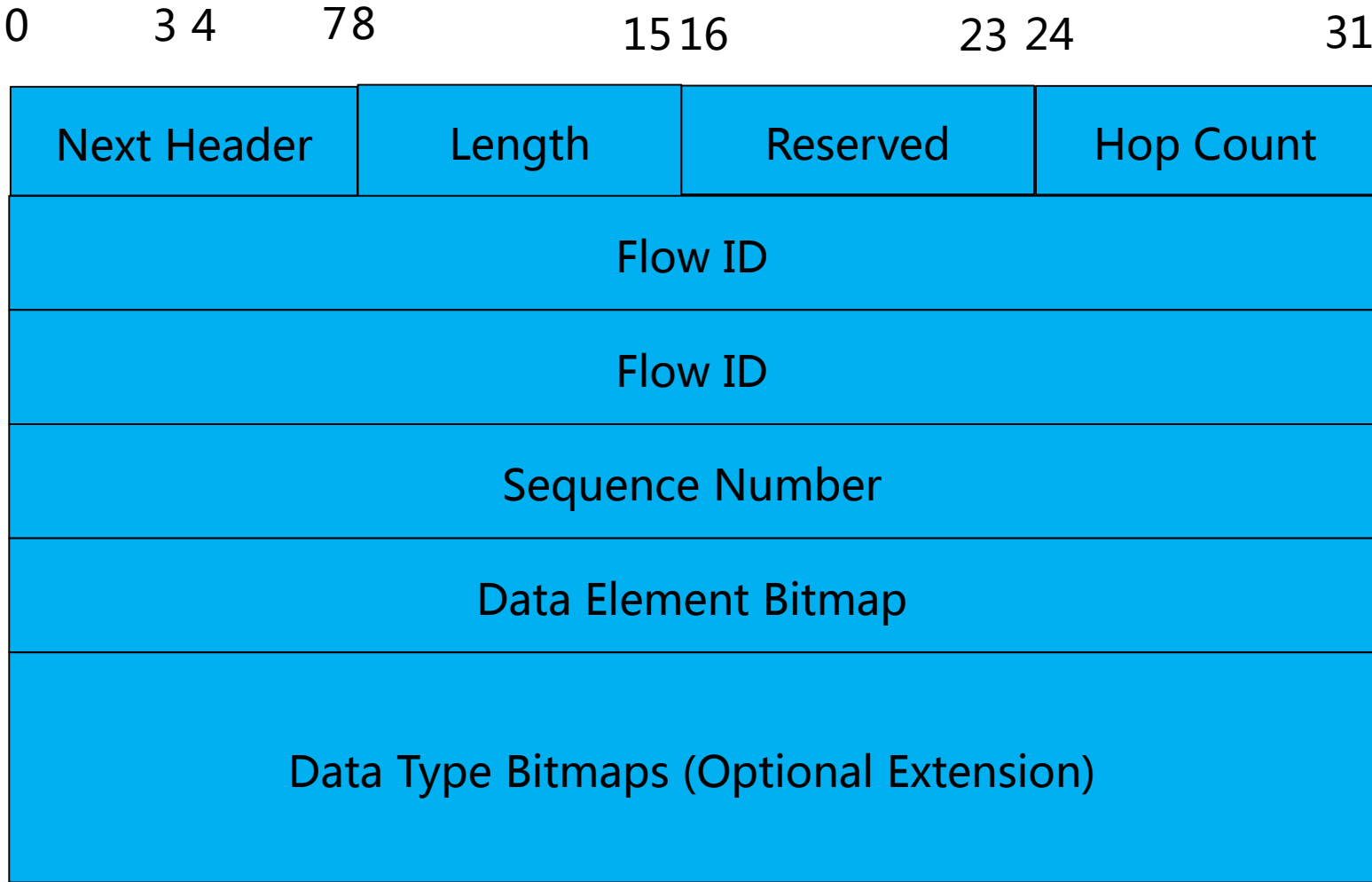
Encapsulation

Configuration overhead

Security

Drop localization

PBT-I Instruction Header Format



Next Steps

- Request for WG adoption