

IPFIX Mediation: Framework

IPFIX IETF-77 March 23, 2010
draft-ietf-ipfix-mediators-framework-05

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History

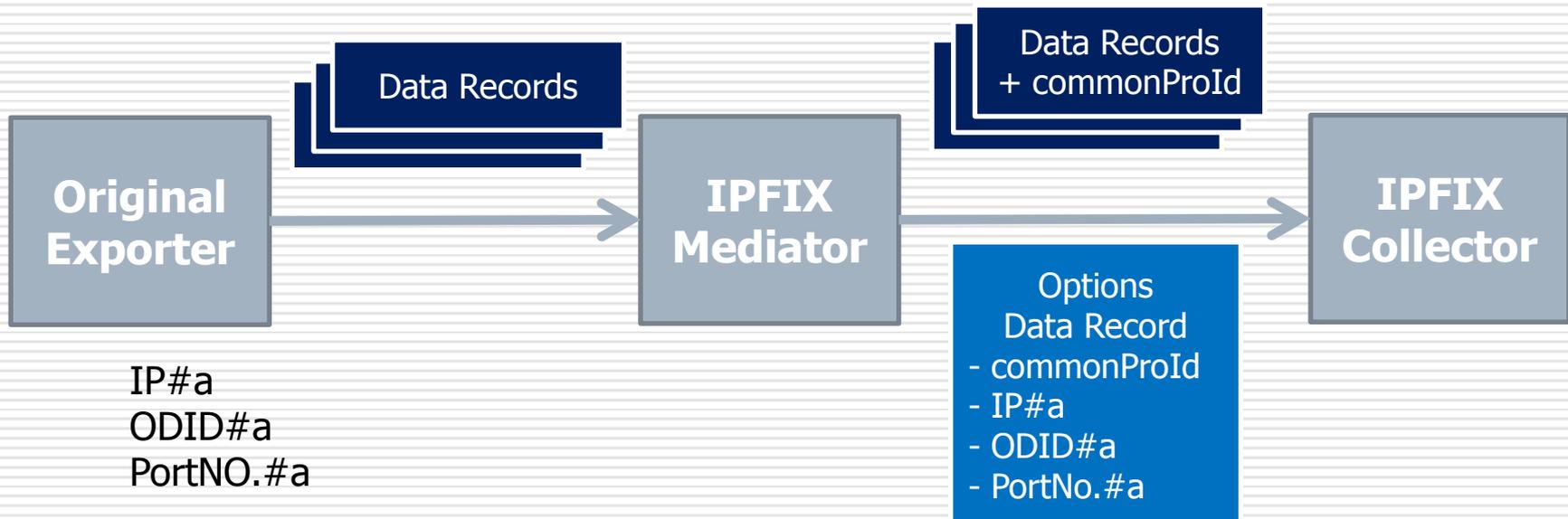
- ❑ **Submitted -04 version on October 2009.**
- ❑ **Received comments from Dan.**
 - In luck, Dan reviewed it along with problem statement draft. ;-)
 - All comments from Dan are solved in -05.
- ❑ **Submitted -05 version on March.**
 - Changes from -04 to -05
 - ❑ Improved wordings from Gerhard's detail review.
 - ❑ Feedbacks from problem statement draft
 - Deleted terms: IPFIX Proxy, Concentrator, Distributor, Masquerading Proxy
 - There are still some open issues.

Observation Domain ID(ODID)

- ❑ **Does ODID from Mediator indicate the largest set of Observation Points?**
 - In some case, No, e.g., aggregation for Flow Records.
- ❑ **Can Collector know the ODID value from Original Exporter?**
 - Yes. An IPFIX Mediator has a function to export observation location information.
 - As far as privacy policy permits, the Mediator reports the information to a Collector.
- ❑ **What does observation location info include?**
 - Original Exporter IP address
 - Observation Domain ID
 - If possible, port number
 - ❑ Different Exporting Processes on a Collector can be identified.

How to export the information

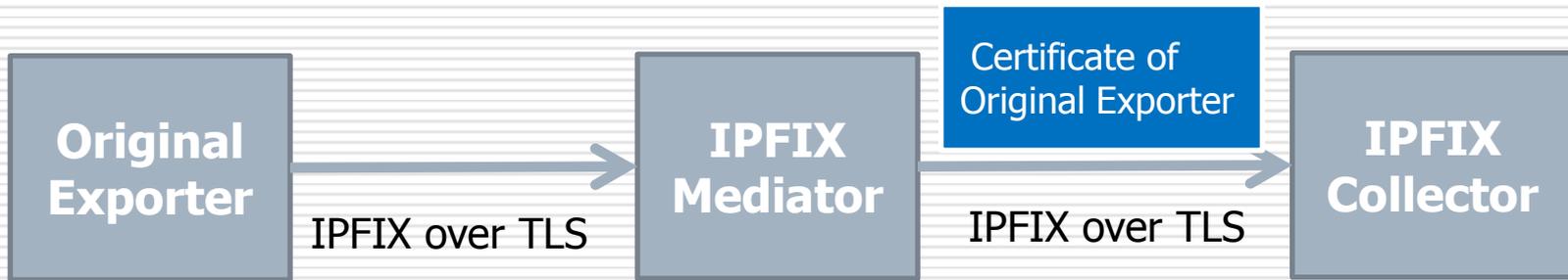
- **How does Mediator export the observation location information?**
 - This information is inserted into Data Records.
 - This information is encoded by using "commonPropertiesId" [RFC5473].



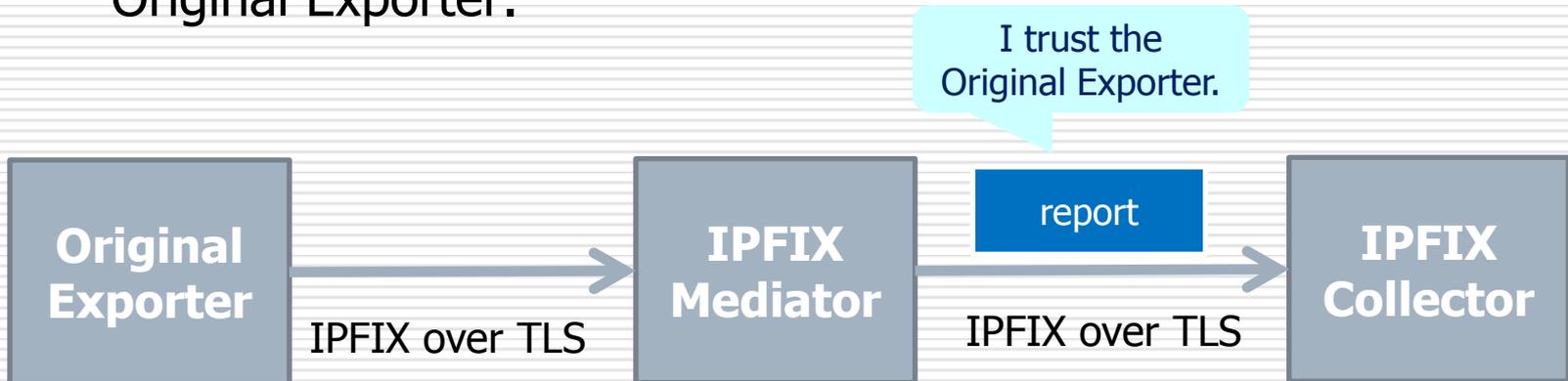
How to verify the identity of an Exporter

□ How does Collector verify the identity of Original Exporter?

- a) Mediator exports the certificate of Original Exporter.

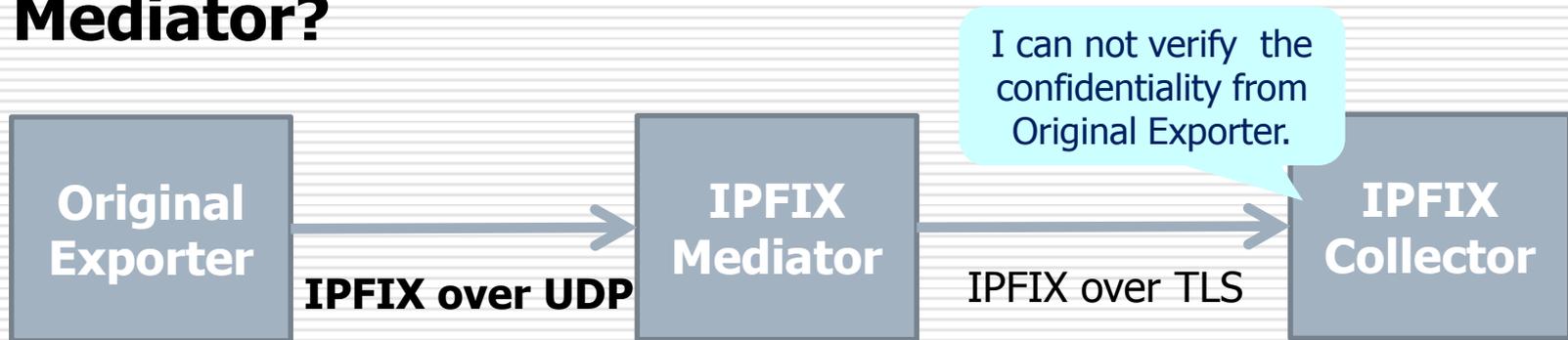


- b) Mediator exports the report to verify the identity of the Original Exporter.

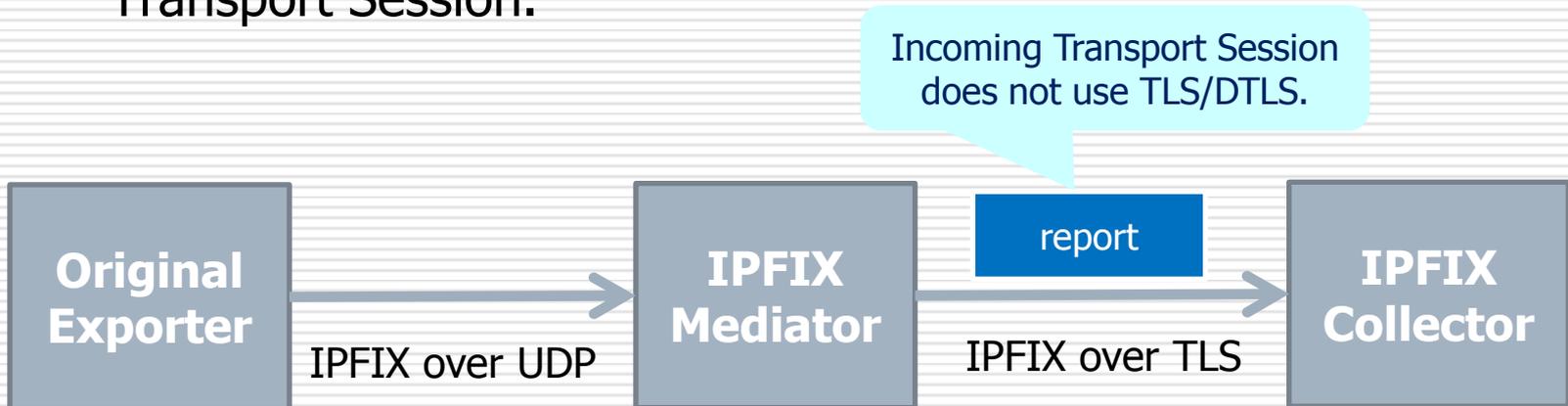


How to verify the confidentiality

- How does Collector verify the confidentiality of Transport Session between Original Exporter and Mediator?



- Mediator exports the report about the confidentiality of incoming Transport Session.



Added possible new IEs

- Observation location information:
 - Original Exporter IP address, Observation Domain ID, and source port number about the Transport Session at Original Exporter
- Certificate of an Original Exporter
- Report that Mediator verifies the identity of an Original Exporter
- Report about the confidentiality for incoming Transport Session between an Original Exporter and an IPFIX Mediator

Next Step

- **All feedbacks from problem statement draft will be included in next version.**
 - I am preparing next version as follows.
 - <http://www.nttv6.net/~akoba/wdiff-fk05-fk06-01.html>
 - Need to be consistent with Mediation Protocol draft.
 - Submit it within April.
- **And then it will go to WG Last Call.**