

# **Specifications of the Protocol for IPFIX Mediations**

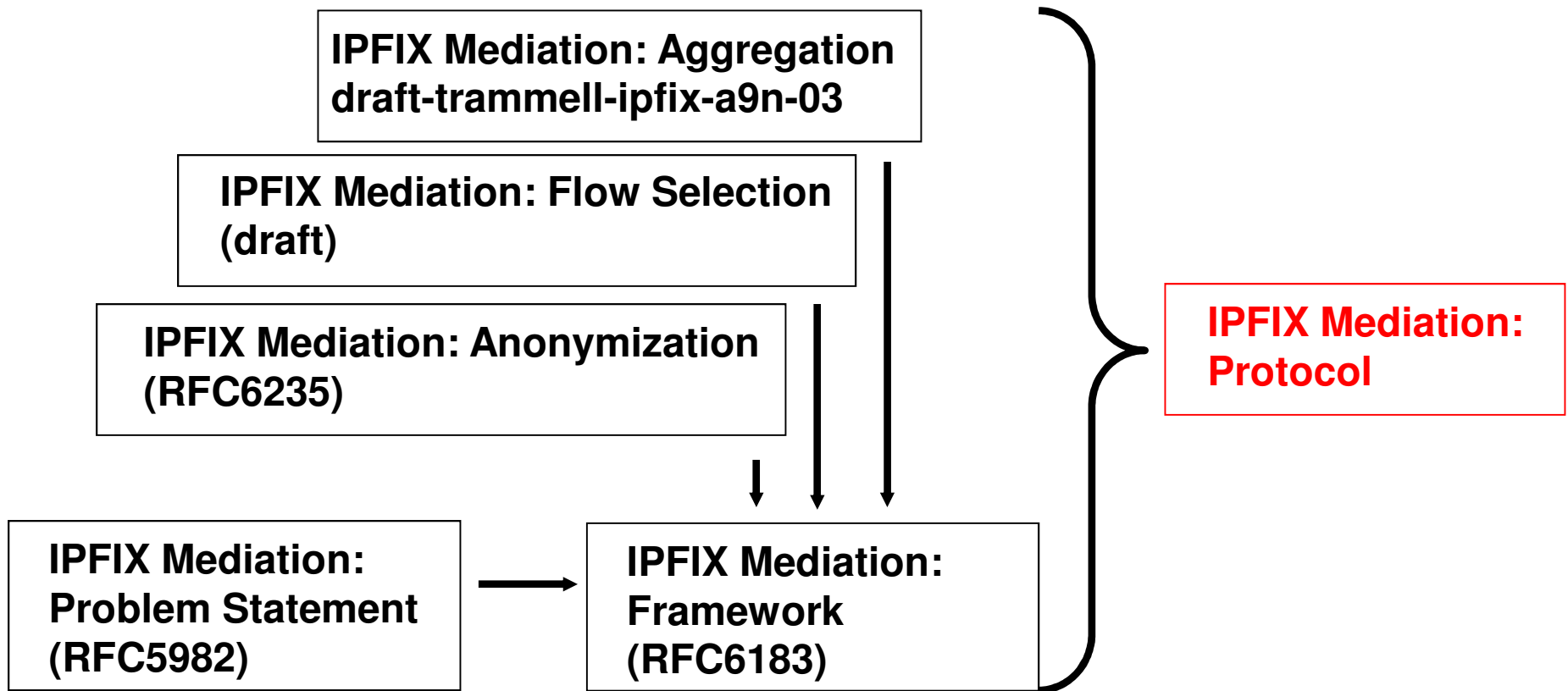
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**<draft-claise-ipfix-mediation-protocol-04.txt>**

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# Mediation Related Drafts

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**Sometimes some generic solutions for all Intermediate Process Types**

**Sometimes some specific solutions per Intermediate Process Type**

# **New in this Version 04: Protocol in Template Mapping Examples**

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- **Reminder about the Template Mapping**  
A mapping from Template Records and/or Options Template Records received by a Mediator to Template Records and/or Options Template Records sent by that IPFIX Mediator. Each entry in a Template Mapping is scoped by incoming or outgoing Transport Session and Observation Domain, as with Templates and Options Templates in the IPFIX Protocol.
- **The examples now contain the protocol, part of the Transport Session**

# Template Management, Reminder

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- **We were able to classify all Intermediate Process into 2 categories:**

**Template Management Without Template Record Change (Example: Distributor)**

**Template Management With Template Record Change (Example: aggregation)**

# Conclusion

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- **This draft fits the mediation requirements RFC, the framework RFC, the anonymization RFC, the aggregation draft, and the flow selection draft**
- **We have resolved all the open issues**
- **Some feedback is required at this point**

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# **BACKUP SLIDES**

# Template Mapping example (Distributor)

Template Mapping  
Entry A

Entry B

```

Templ. .-----
ID 256 |          |
      |          |
      |----->|Collector|<==>Customer
      |          |          |
      |          |          |
      |          |          |
RD=100:1 '-----'
  
```

Entry C

```

.----- .Templ. .-----
|          |Id    |          |-----'
|          |258   |          |RD=100:2
|IPFIX     |----->|IPFIX     |----->|Collector|<==>Customer
|Exporter  |          |Mediator |Templ.  |#2      |          |#B
|#1        |          |          |ID 257  |          |
|          |          |          |-----'
|          |          |          |-----'
RD=100:3
  
```

Entry D

```

Templ. |          | .-----
ID      |          |
257     |----->|Collector|<==>Customer
        |          |          |
        |          |          |
        |          |          |
        |          |          |
        |-----'
  
```

# Template Mapping example (Distributor)

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- **Template Entry A:**

**Incoming Transport Session (from Exporter#1):**

**Source IP: <Exporter#1 export IP address>**

**Destination IP: <IPFIX Mediator IP address>**

**Source Port: <source port>**

**Destination Port: 4739 (IPFIX)**

**Observation Domain Id: <Observation Domain ID>**

**Template Id: 258**

**Flow Keys: <series of Flow Keys>**

**Non Flow Keys: <series of non Flow Keys>**

- **The Template Mapping:**

**Template Entry A <----> Template Entry B**

**Template Entry A <----> Template Entry C**

**Template Entry A <----> Template Entry D**