

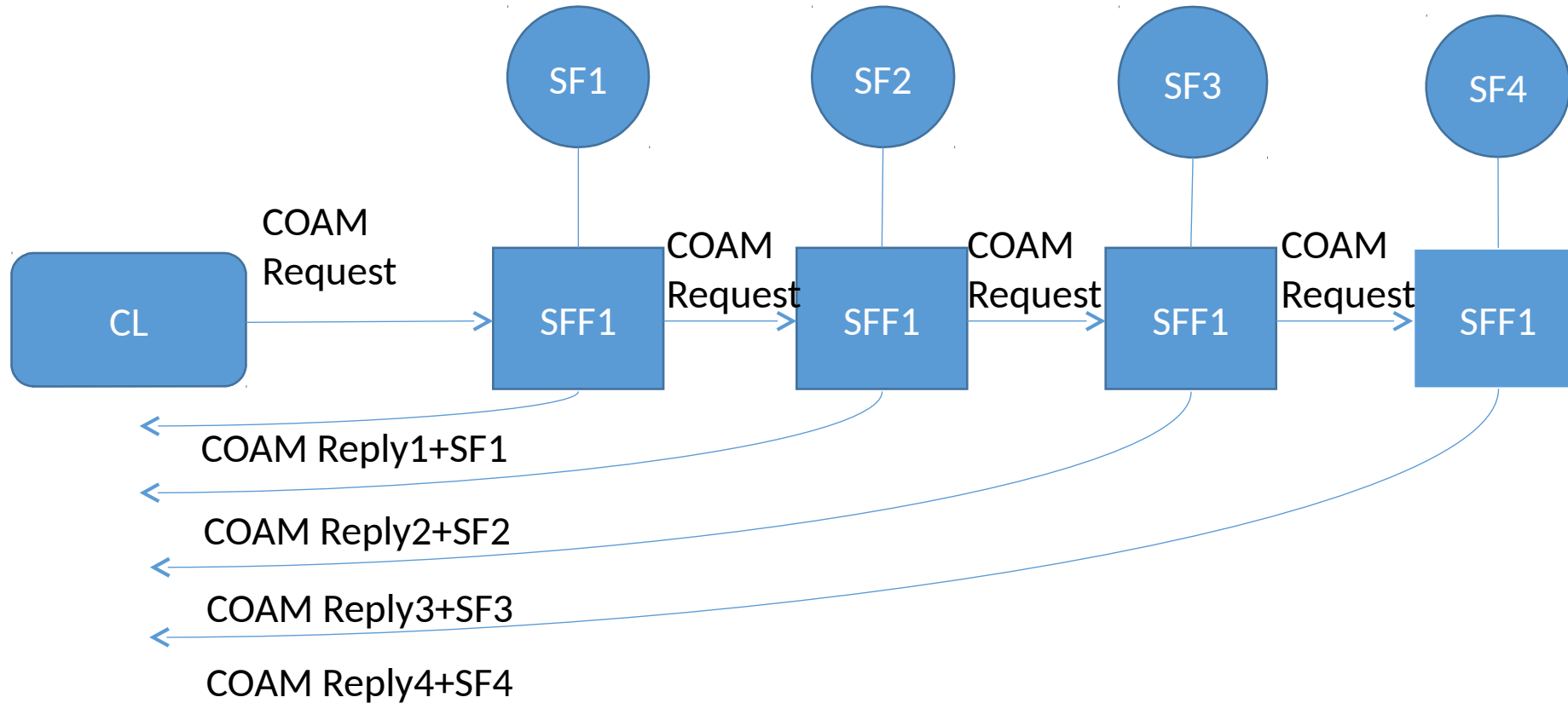
SFC Path Consistency OAM

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<https://tools.ietf.org/html/draft-ao-sfc-oam-path-consistency-02>

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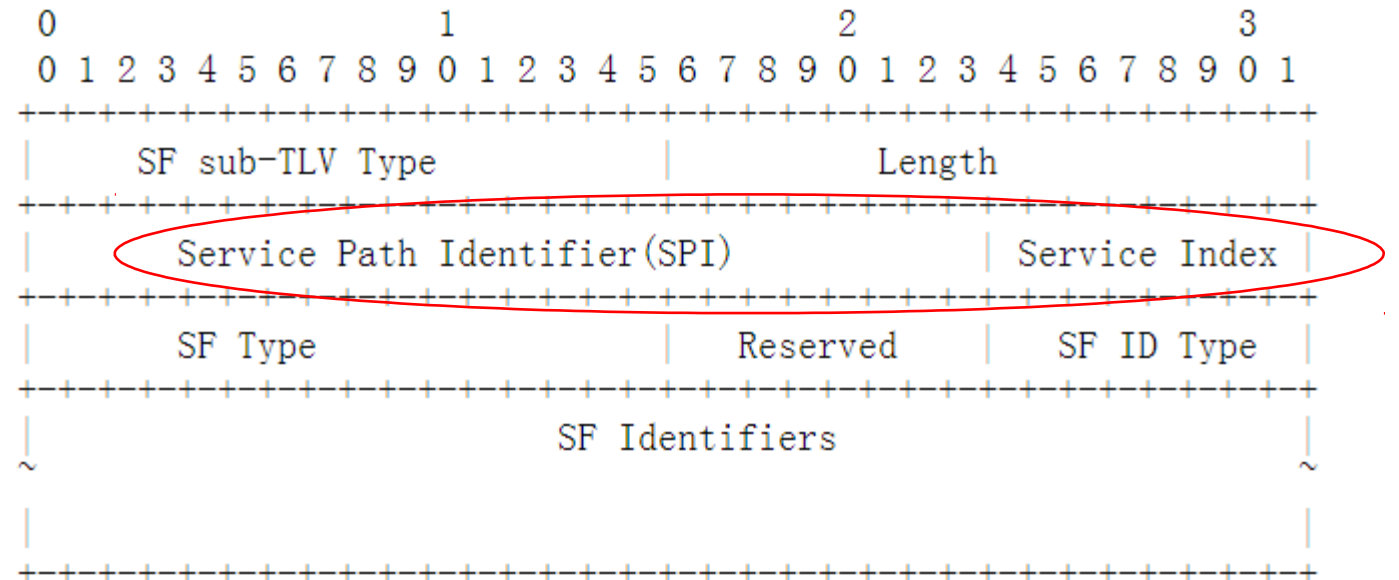
Theory of Operation in COAM



- With collecting COAM Reply1, COAM Reply2, COAM Reply3 and COAM Reply4, the path of the chain: SF1->SF2->SF3->SF4 is confirmed.

Update from -01

- Comments received from last meeting
 - How SFF with multiple SFs responds to COAM Request
- Update the format of Service Function information sub-TLV
 - Add SPI field
 - Re-organized the location of other fields



Update from -01 (cont.)

- Add a new section about how to construct a SF Information Sub-TLV, consider the multiple SFs attached to one SFF.
- Multiple SFs as hops of SFP
 - Multiple SFs attached to one SFF are the several hops of the SFP, the service indexes of these SFs are different:
 - Service function types of these SFs could be different or be same.
 - All these SFs information are included in one COAM Reply message, every SF information should be listed as separate SF information sub-TLVs in COAM Reply message.

Update from -01 (cont.)

- Multiple SFs for load balance
 - Multiple SFs are attached to one SFF for load balance, that means only one SF will be transited by the particular traffic flow:
 - These SFs have the same Service Function Type, Service Index.
 - The SF identifiers of all these SFs will be listed in the SF Identifiers field in a single SF information sub-TLV of COAM Reply message.
 - The number of these SFs can be calculated according to SF ID Type and the value of Length field of the sub-TLV.

Open issues

- SF ID Type: for SF instances for load balance, are they have same SF ID type?
 - In current draft, we assume they are same.
- COAM is for SFP or RSP?
 - In current draft, we suggest add all the SFs belonging to the load balance group into the SF Identifiers list .

Next Steps

- Comments/feedback/contribution always welcome and greatly appreciated
- WG adoption?