

802.1ah: CBP Address Translation

Version 1

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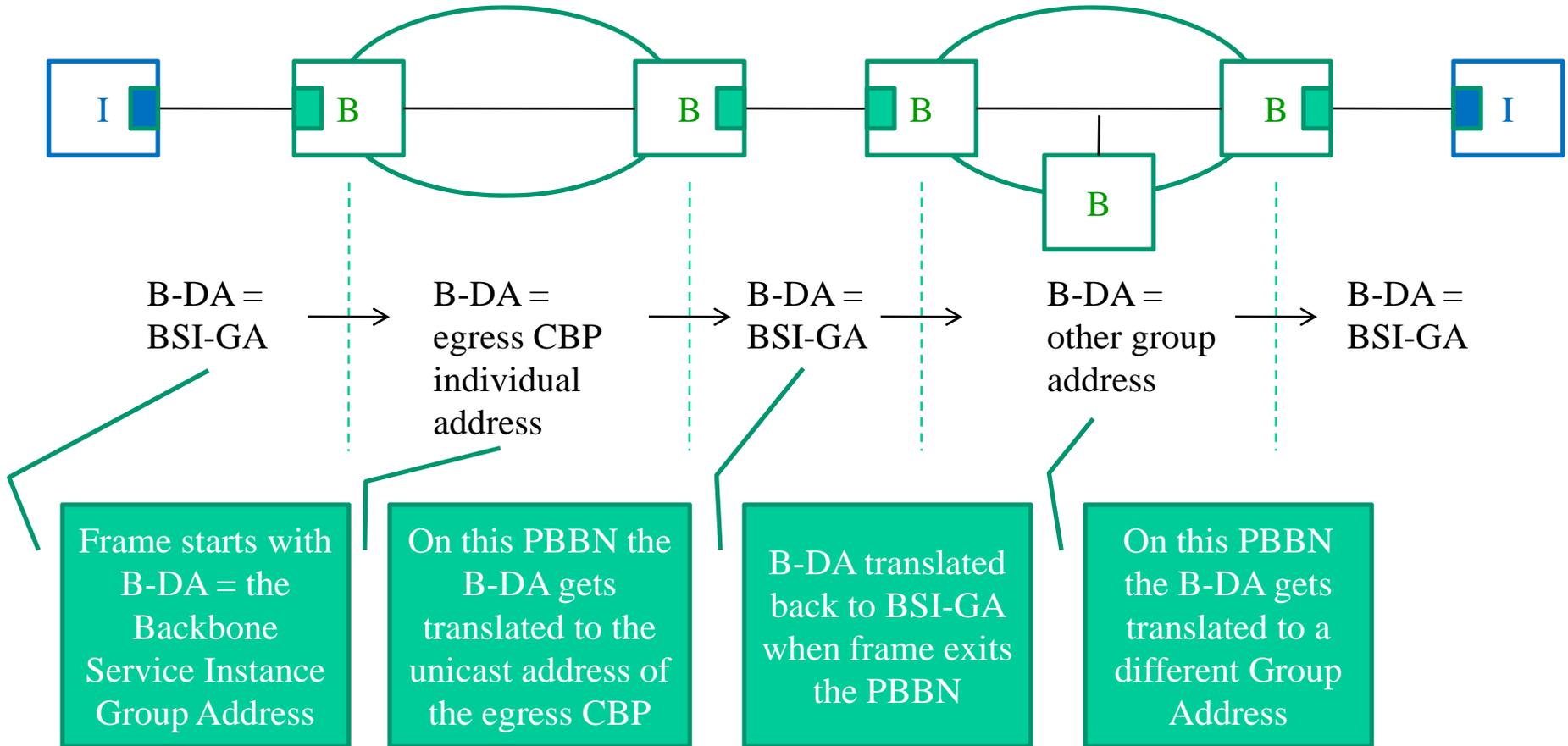
802.1ah-d3.6 comment resolution

- CBP address translation related comments:
 - Maarten Vissers: 466, 468, 484, 460
 - Oliver Thorp: 633, 634
 - Muneyoshi Suzuki: 489, 490

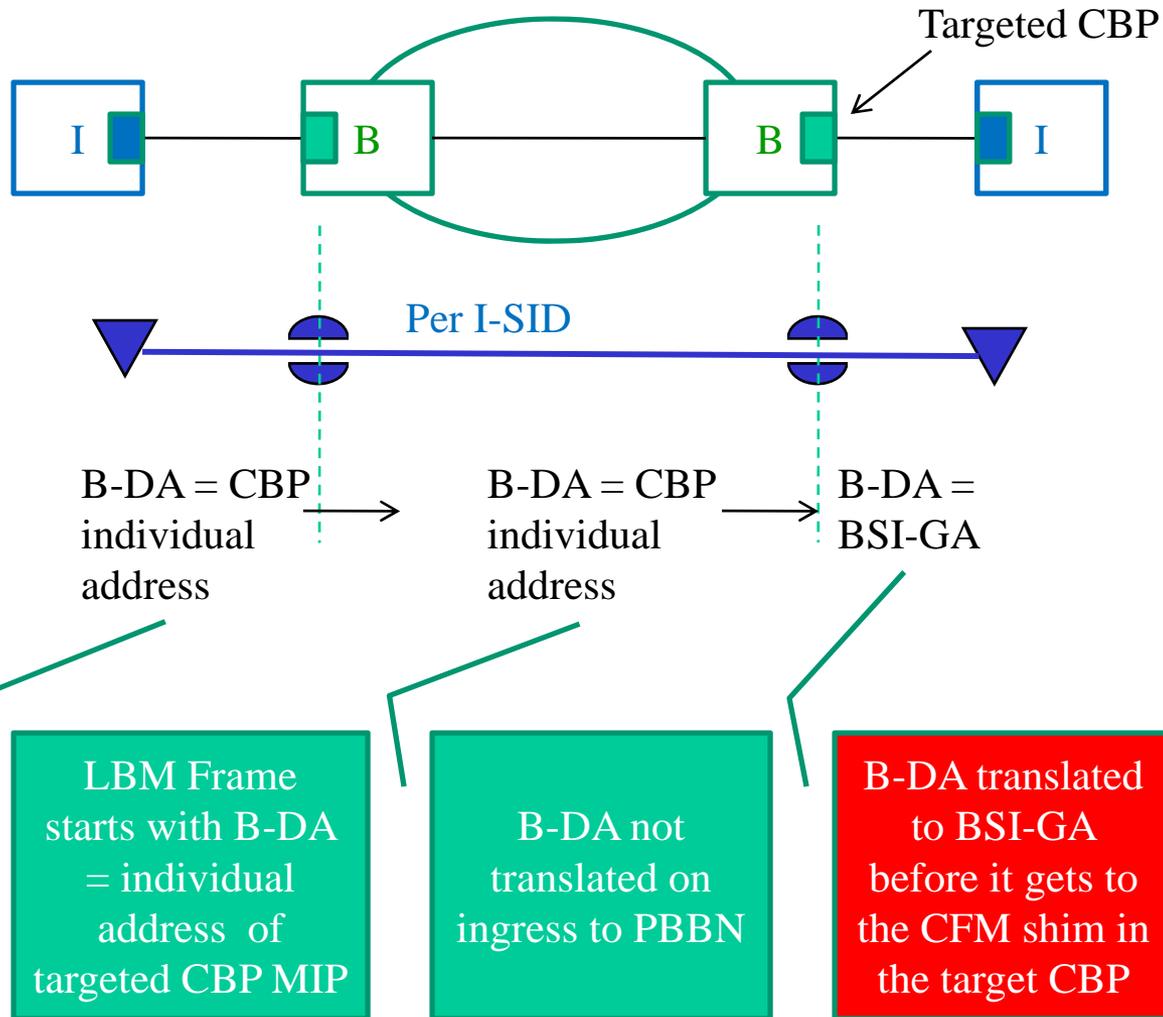
CBP address translation rules

- **UNITDATA.indication (ingress to PBBN)**
 - If B-DA is the Backbone Service Instance Group Address (constructed from 802.1ah OUI and the I-SID), the CBP may translate the B-DA to the address configured in the Default Backbone Destination parameter.
 - Default Backbone Destination may be a group address or, if the backbone service instance is point-to-point on this PBBN, the individual address of the egress CBP.
- **UNITDATA.request (egress from PBBN)**
 - If B-DA is any group address or the individual address of this CBP, the CBP translates the B-DA to the Backbone Service Instance Group Address.

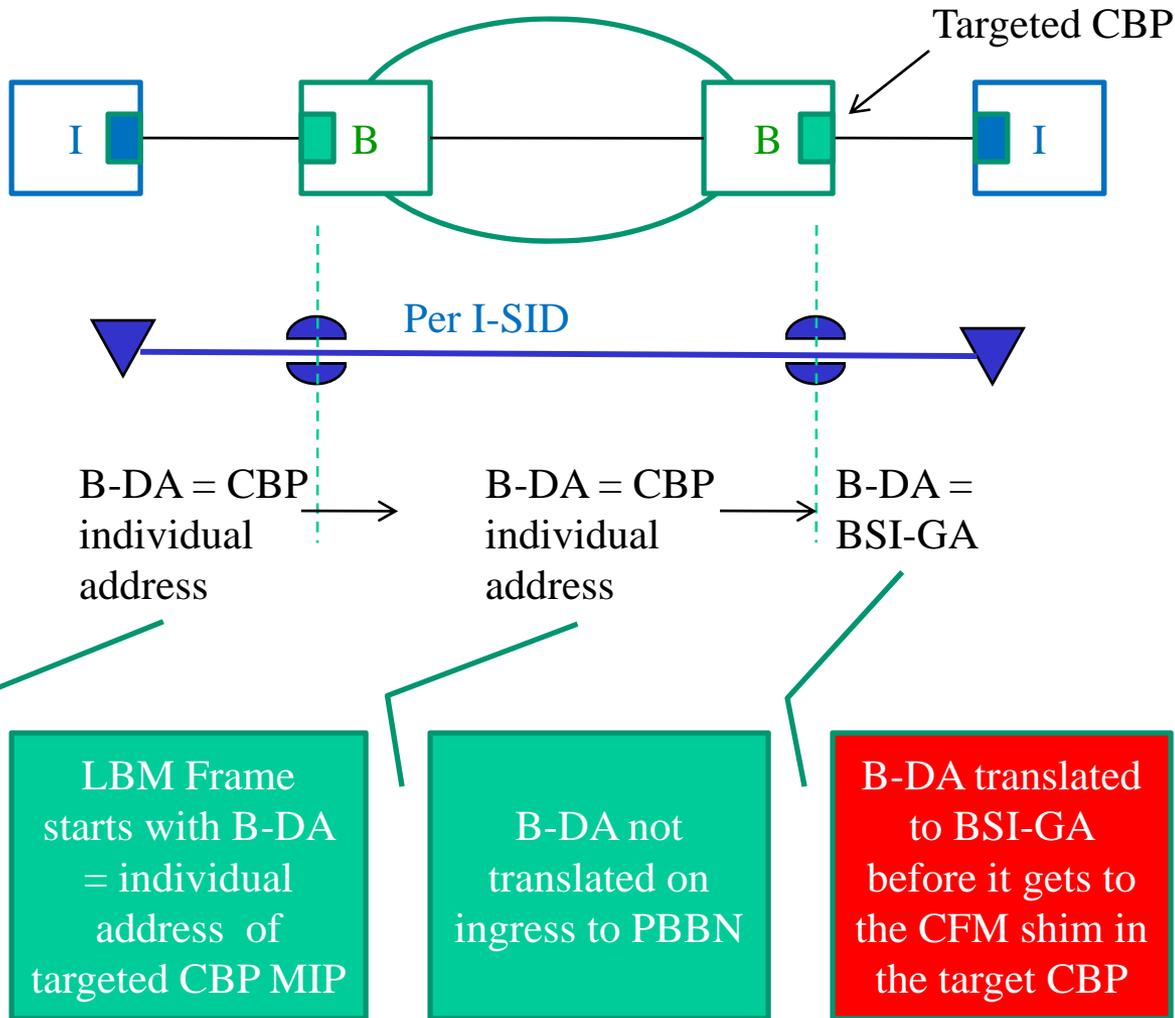
Address translation at CBP



Problem with CFM individual address

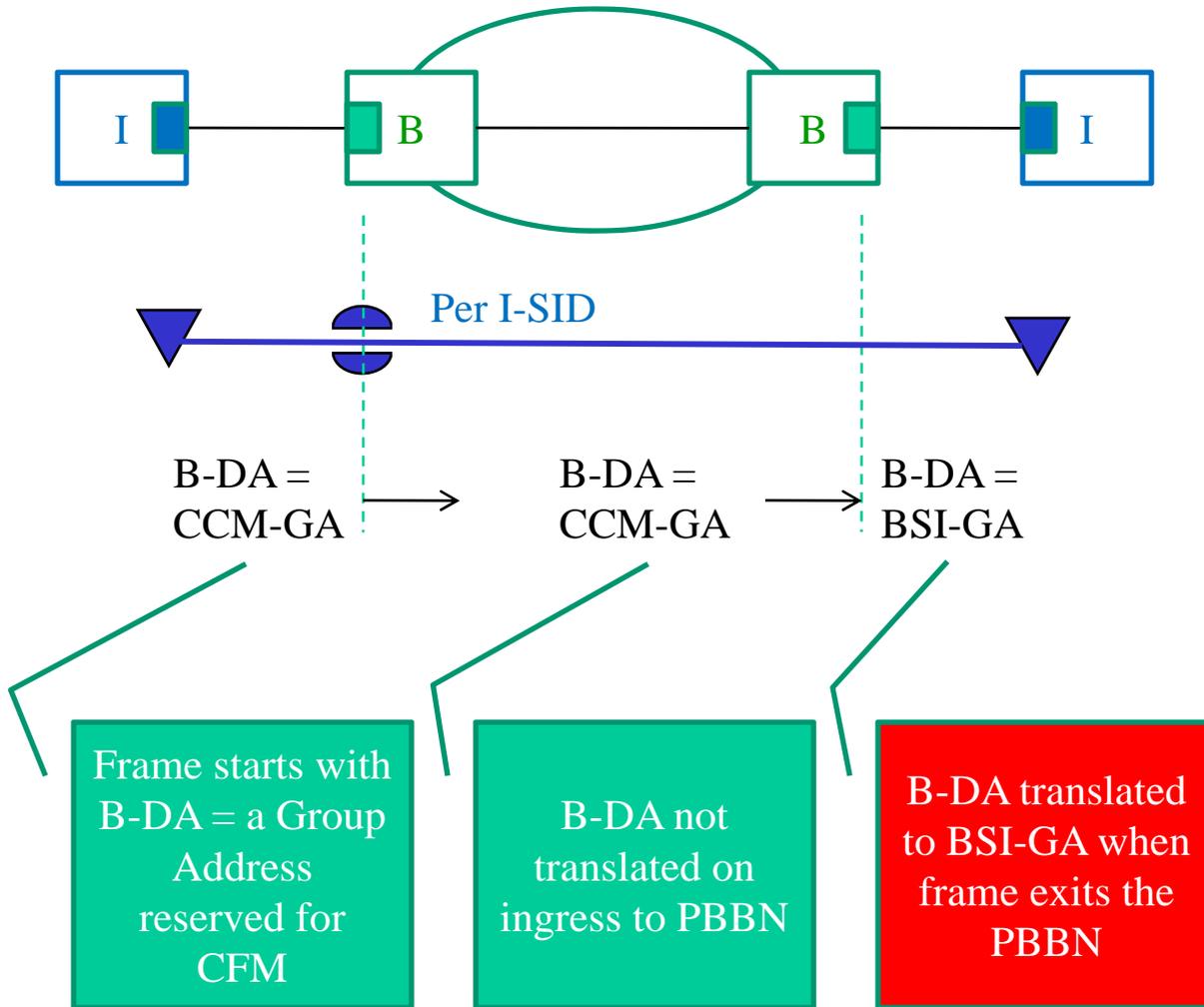


Proposal for CFM individual address



- 1) Make egress translation dependent on Ethertype (don't translate B-DA of backbone service instance level CFM).
- 2) CBP has two individual addresses: one for CFM shims and one for B-DA on user data frames.
- 3) Don't allow translating B-DA of user data frames to/from CBP individual address.
- 4) Put CFM shims above CBP functions (6.11) in interface stack.

Problem with CFM group address



Proposal for CFM group address

