ForCES Intra-NE High Availability draft 02

IETF – 82 Taipei

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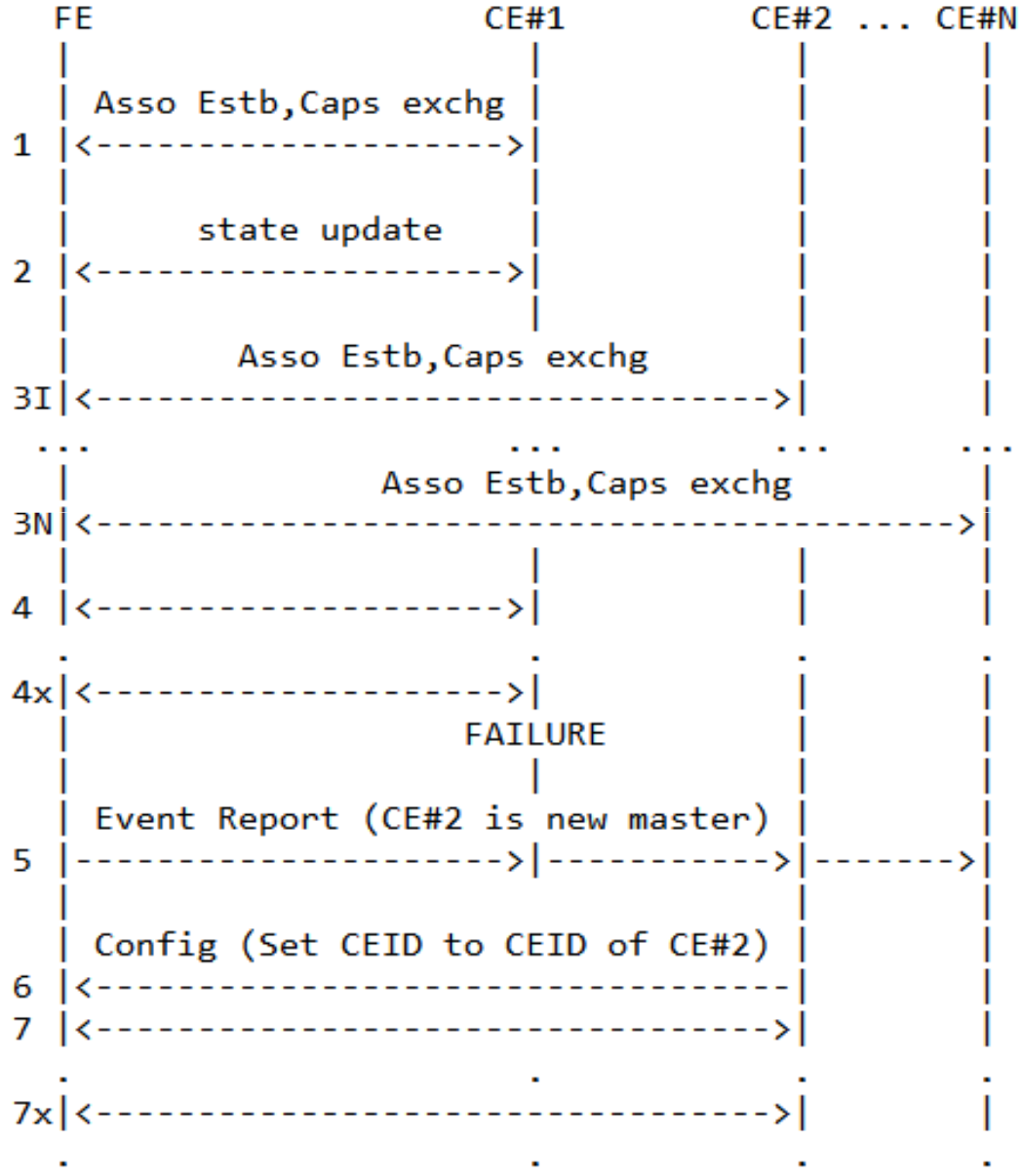
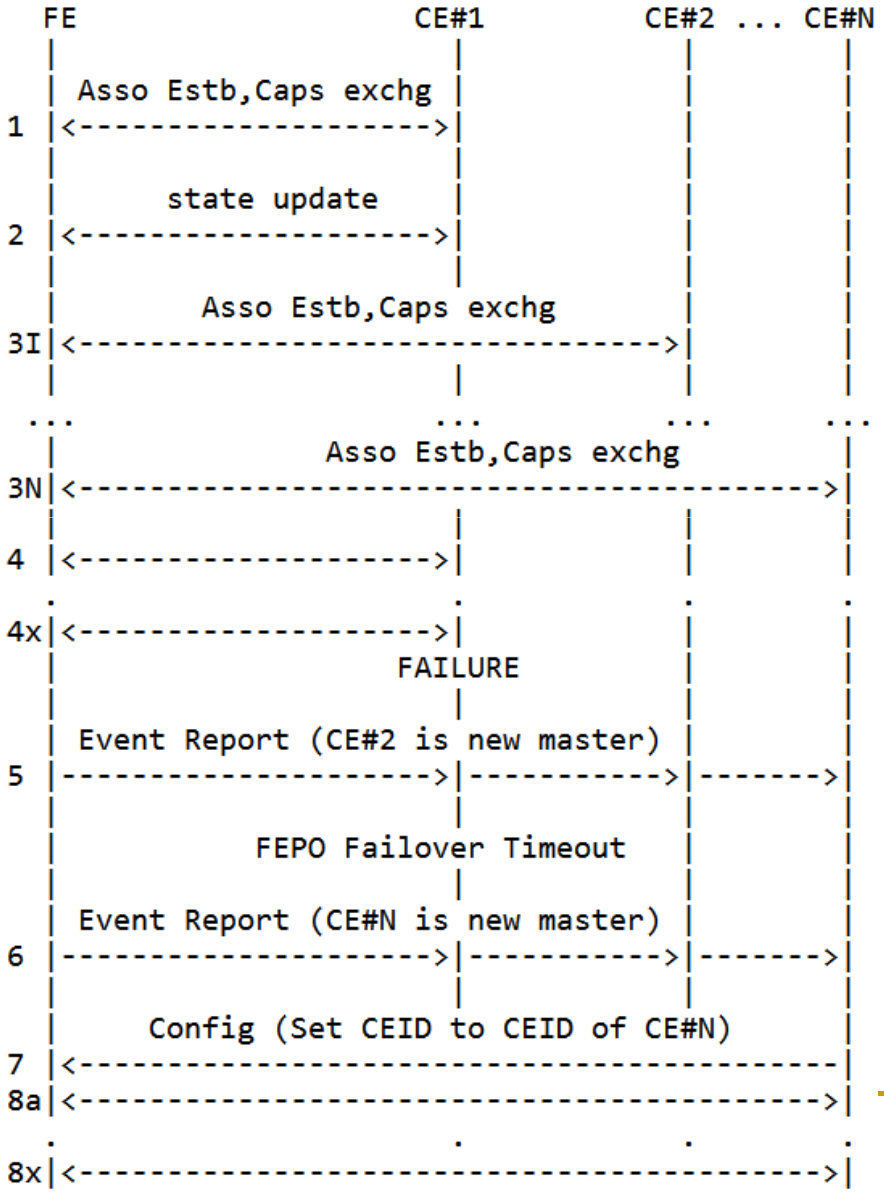
Changes from 01

- Added figure for two scenarios of CE Failover for hot-standby.
- Added figure for State machine for High availability with hot-standby.
- Identified a possible backwards compatibility issue.

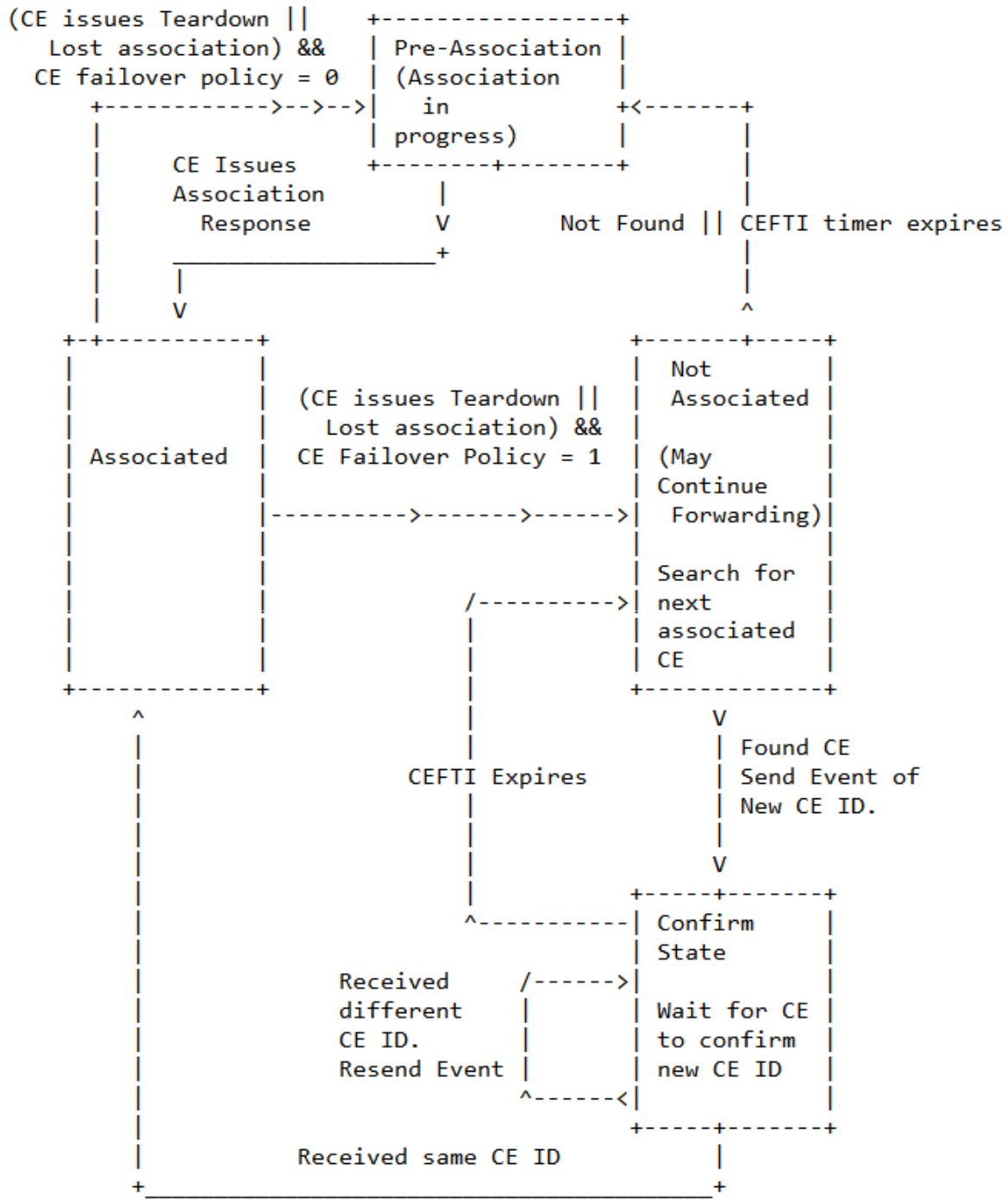
CE Failover for hot standby - I



CE Failover for hot standby - II



FE State Machine considering HA with Hot Standby



Backward compatibility issue

- FEPO's component 9 (Backup CEs) is not backwards compatible with previous version.
  - New CE, Old FE
    - Case 1: The new CE supports the old FE and chooses not to use CEHA. Interoperable.
    - Case 2: The new CE supports only v1 FE. No interoperability regarding Component 9 – Association will fail.
  - Old CE, New FE.
    - Case 1: CE does not support CEHA, but understands v1 FE. Interoperable but cannot use CEHA functions.
    - Case 2: CE, does not support v1 FE. No interoperability regarding Component 9 – Association will fail.

Backward compatibility issue

- This is a pre-association version mismatch issue.
- It's up to the Managers to identify and not allow an association that would fail or cause problems.