

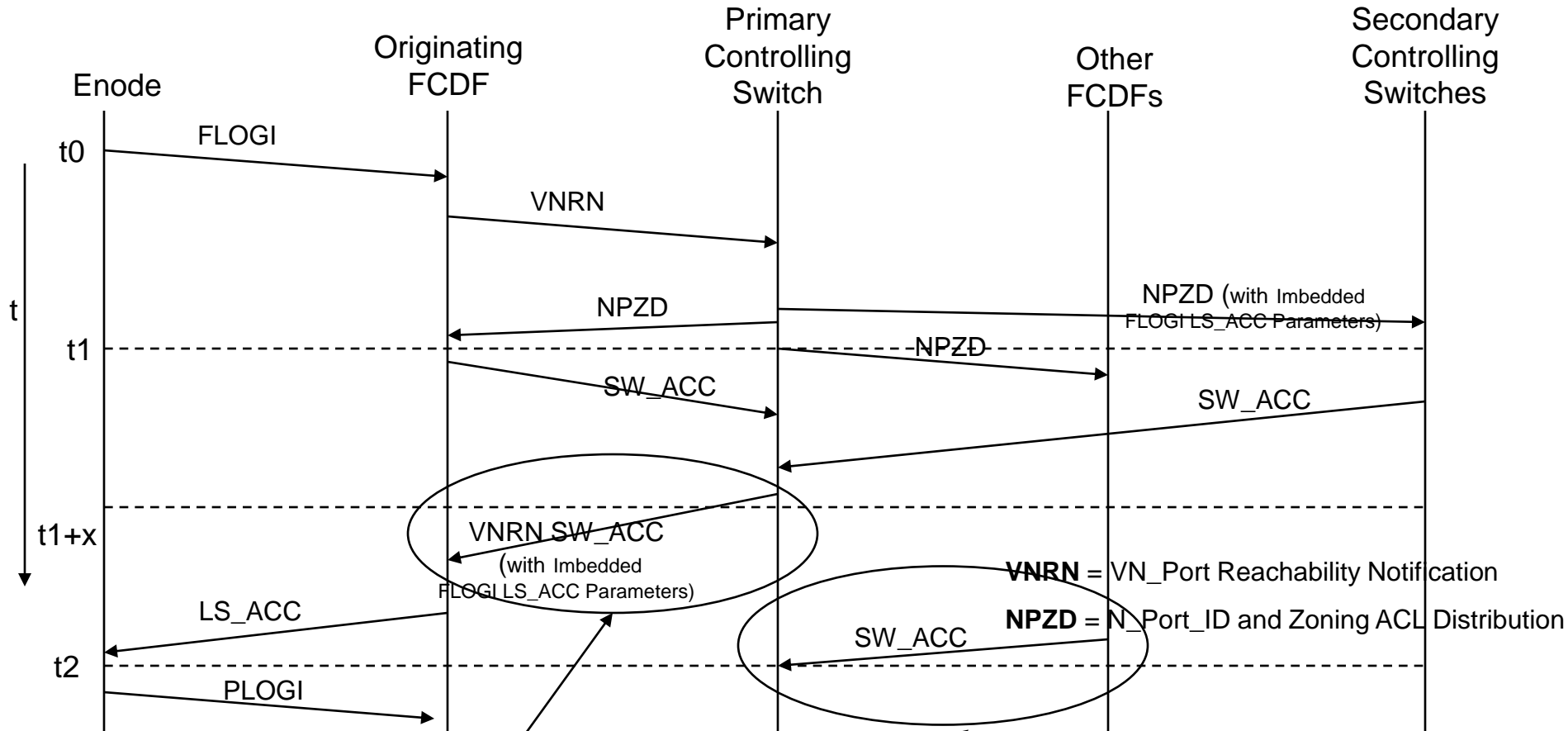


T11 FC-SW-6

VNRN/VNUN Interlocking

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04/8/2013

FLOGI Process Described in 13-047v0, Section 17.9.3



VNRN SW_ACC held until NPZD SW_ACCs received from originating FCDF and Secondary Controlling Switches


NPZD from non-originating FDFs is not interlocked

Issue 1: Current Text Does Not Allow Full Interlock

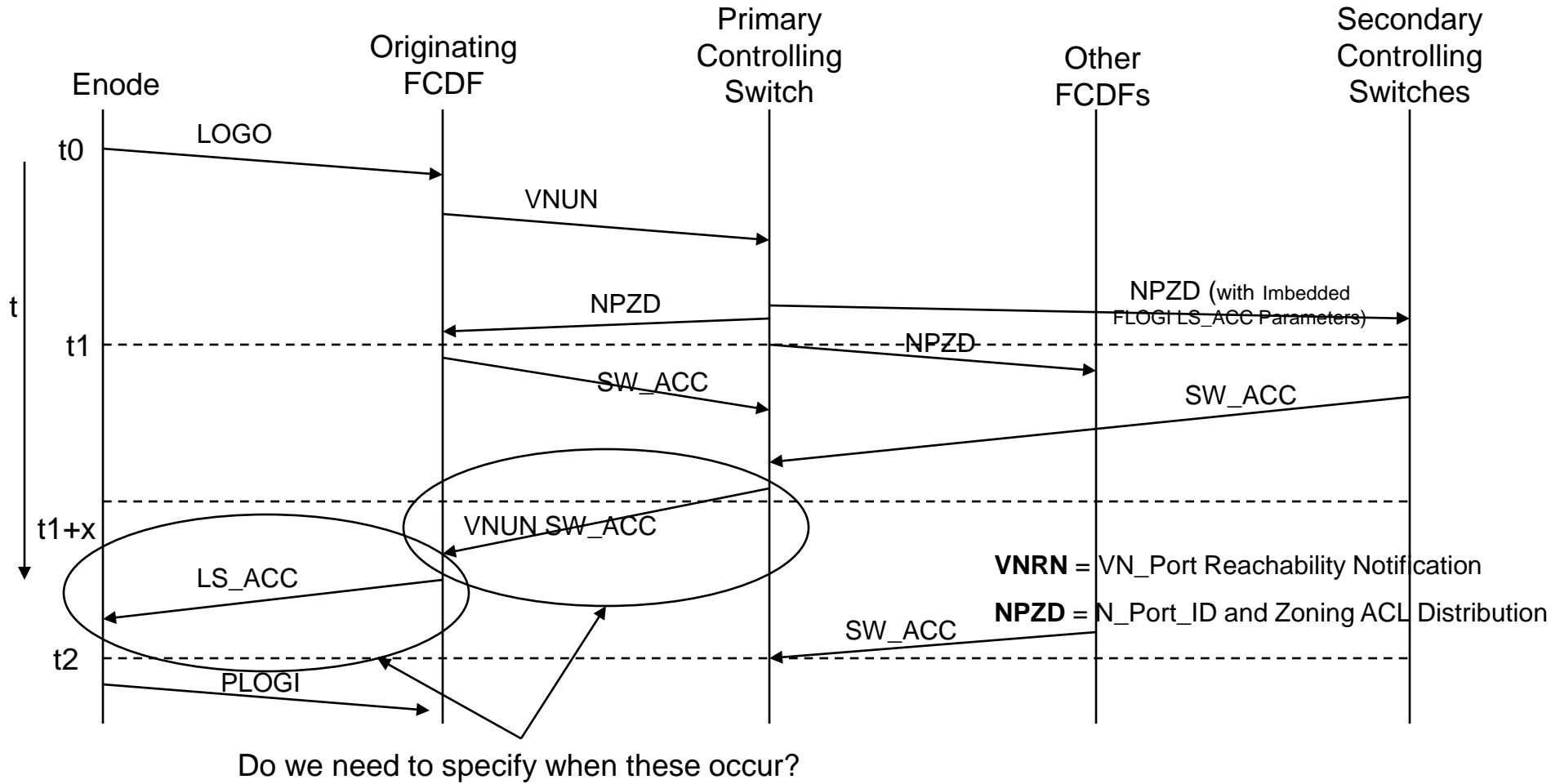
- ## Current Text

The Primary Controlling Switch shall also recompute the Zoning ACLs for the affected N_Port_IDs, generate appropriate RSCN(s), and update the Fibre Channel Name Server. The Primary Controlling Switch shall distribute the Zoning ACLs and N_Port_ID allocation/deallocation information to the Secondary Controlling Switch, if available, and to each FCDF belonging to the Distributed Switch through an appropriate NPZD Exchange. The NPZD Request sent to the Secondary Controlling Switch shall carry no Peering Entries. The NPZD Requests sent to the Secondary Controlling Switch shall include the FLOGI / NPIV FDISC LS_ACC Parameters; the NPZD Requests sent to the FCDFs shall not include them. **Upon receiving the NPZD SW_ACC from the Secondary Controlling Switch and from the FCDF that sent the VNRN Request, the Primary Controlling Switch shall send the VNRN SW_ACC to the FCDF that sent the VNRN Request.** Upon receiving the VNRN SW_ACC, containing the FLOGI / NPIV FDISC LS_ACC Parameters, the FCDF that sent the VNRN Request shall accept the FLOGI Request or FIP NPIV FDISC Request and complete the N_Port login.

- ## Suggested Replacement

The Primary Controlling Switch shall wait to receive the NPZD SW_ACCs from  Secondary Controlling Switches and the FCDF that sent the VNRN Request before sending the VNRN SW_ACC containing the FLOGI / NPIV FDISC LS_ACC Parameters to the FCDF that sent the VNRN Request.

LOGO Process



Issue 2: No Interlock Specified for VNUN

■ Current Text

When a VN_Port is logged out or when a VF_Port is deinstantiated, an FCDF shall perform a VNUN Exchange with the Primary Controlling Switch to inform it that the VN_Port is now unreachable or that all the VN_Ports associated with that VF_Port are unreachable. Upon completing a VNUN Exchange, the Primary Controlling Switch shall deallocate the N_Port_ID(s) assigned to the affected VN_Port(s), recompute the Zoning ACLs for the affected N_Port_IDs, generate appropriate RSCN(s), and update the Fibre Channel Name Server. The Primary Controlling Switch shall then distribute this information to the Secondary Controlling Switch, if available, and to each FCDF belonging to the Distributed Switch through NPZD Requests indicating N_Port_ID(s) deallocation.

■ Questions

- When is the VNUN SW_AC sent to originating FCDF?
- When is the LOGO LS_AC sent by FCDF to Endpoint?

Thank you