1. There is an active session between SSCP1 and PU2. It is the only active SSCP-PU session using the CP-SVR pipe between VTAM1 and ENa.
2.
3. ENa detects an outage on its connection to PU2.
    - **Note** - If there had been an active LU-LU session involving LUa, ENa would build a Format 3 SESSEND RU, encapsulate it, and forward it to VTAM1 on the CP-SVR pipe. VTAM1 would then de-encapsulate the SESSEND and forward it to SSCP1.
4. The DLUR node sends an FMH5 Attach to initiate the Receive_Encap_Msg_TP at the DLUS node.
5. To signal to SSCP1 that its SSCP-PU session with PU2 is broken, ENa builds a REQDACTPU with a cause value of X′00′, encapsulates it, and forwards it to VTAM1 on its CP-SVR pipe.
6. VTAM1 de-encapsulates the REQDACTPU and forwards it to SSCP1.
7. SSCP1 responds to the REQDACTPU positively, passing the RSP(REQDACTPU) on to VTAM1.
8. The DLUS node sends an FMH5 Attach to initiate the Receive_Encap_Msg_TP at the DLUR node.
9. VTAM1 encapsulates the RSP(REQDACTPU) and forwards it to ENa.
10. SSCP1 builds a DACTPU and passes it on to VTAM1.
11. The DLUS node sends an FMH5 Attach to initiate the Receive_Encap_Msg_TP at the DLUR node.
12. VTAM1 encapsulates the DACTPU and forwards it to ENa.
13. ENa de-encapsulates the DACTPU, and since it no longer has a connection to PU2, converts the DACTPU into a positive RSP(DACTPU). The DLUR node sends an FMH5 Attach to initiate the Receive_Encap_Msg_TP at the DLUS node.
14. ENa then encapsulates the RSP(DACTPU) and sends it to VTAM1.
15. VTAM1 de-encapsulates the RSP(DACTPU) and forwards it to SSCP1.
16. VTAM1 also determines that there are now no active or pending SSCP-PU sessions on its CP-SVR pipe to ENa, so it sends an UNBIND to ENa on VTAM1′s conwinner session to begin deactivation of the pipe.
17. VTAM1 also sends an UNBIND on its conloser session to ENa.
18. The DLUR node sends a RSP(UNBIND) to the DLUS for the conwinner session and another RSP(UNBIND) for the conloser session. For more details on CP-SVR pipe deactivation see 5.6, “CP-SVR Pipe Deactivation” on page 5-20.

5.6.3.2 Receipt Of REQDISCONT From Downstream PU

In these scenarios the DLUR BF receives a REQDISCONT RU from the downstream PU. In this situation the DLUR will:

- convert the REQDISCONT to a REQDACTPU, indicating a cause value of X′01′ if the REQDISCONT type is normal and X′02′ if the type is immediate
- encapsulate the REQDACTPU and send it to the DLUS on the CP-SVR pipe
- allow the DLUS to deactivate the PU gracefully if type = normal or forced if type = immediate (see 6.4, “SSCP-PU/SSCP-LU Session Deactivation (DLUS-Initiated)” on page 6-30 for more information on normal and forced SSCP-PU and SSCP-LU session deactivation), and then
- deactivate the DLC from the BF to the DSPU (emulating the receipt of a DISCONTACT)

Figure 5-14 illustrates receipt of a REQDISCONT(normal) and the resulting SSCP-PU/LU session and CP-SVR pipe deactivation:

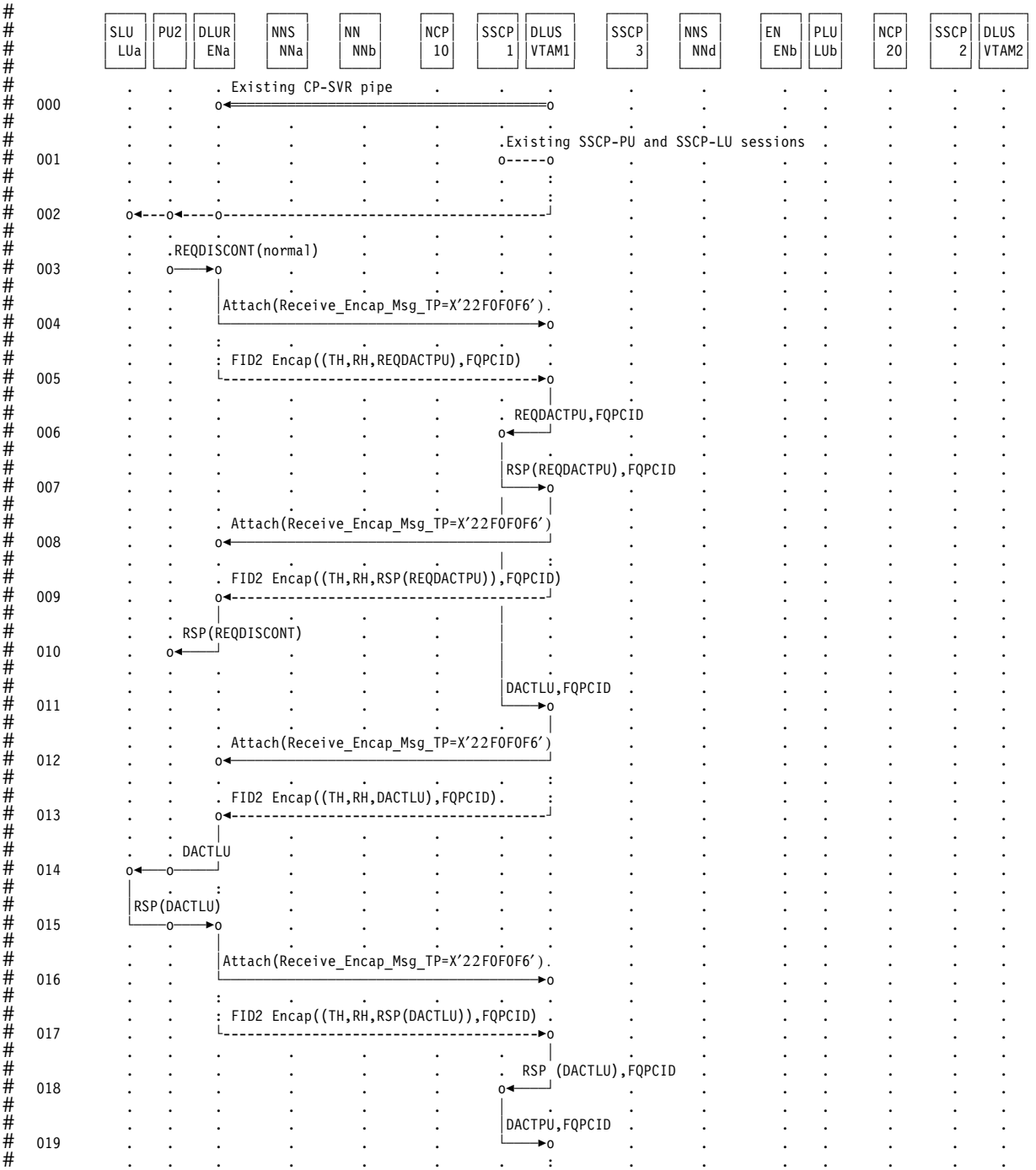
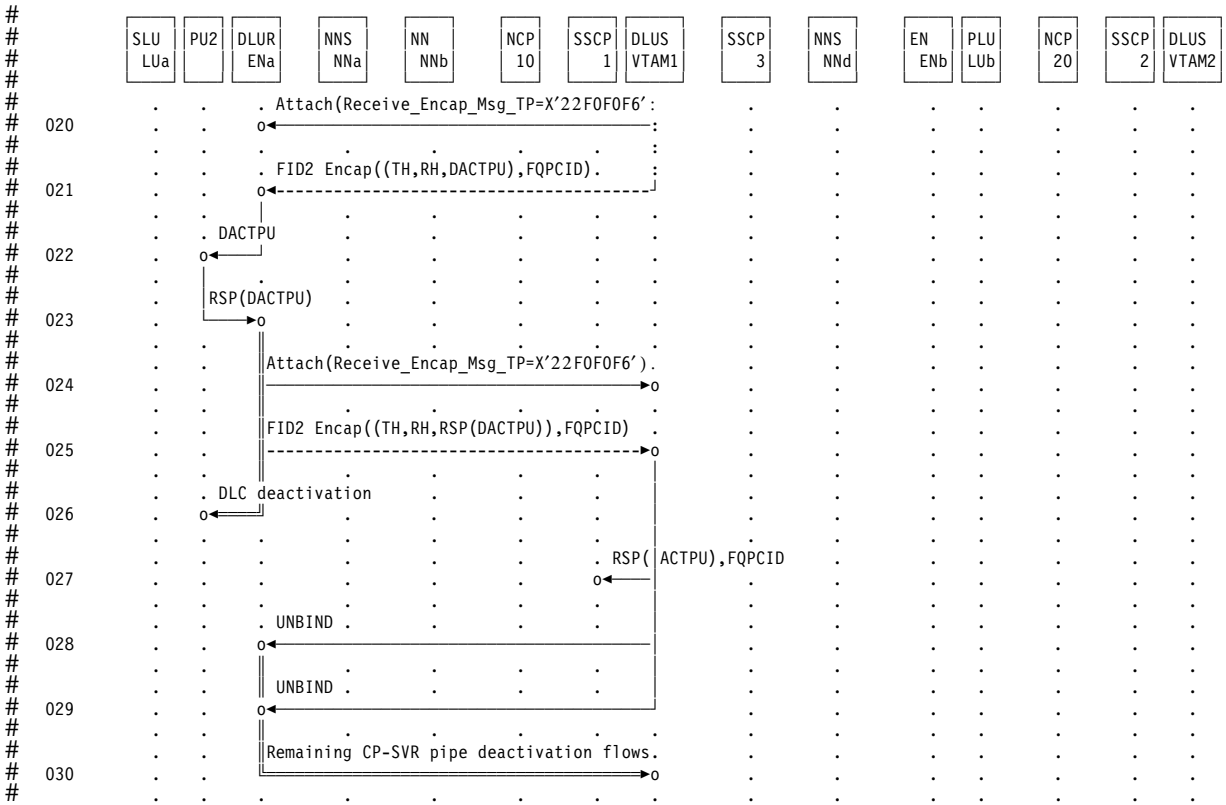


Figure 5-14. Receipt of REQDISCONT(normal) from downstream PU


SLU LUa
PU2
DLUR ENa
NNS NNa
NN NNb
NCP 10
SSCP 1
DLUS VTAM1
SSCP 3
NNS NNd
EN ENb
PLU LUb
NCP 20
SSCP 2
DLUS VTAM2
Attach(Receive_Encap_Msg_TP=X'22F0F0F6'
020
FID2 Encap((TH,RH,DACTPU),FQPCID).
021
DACTPU
022
RSP(DACTPU)
023
Attach(Receive_Encap_Msg_TP=X'22F0F0F6').
024
FID2 Encap((TH,RH,RSP(DACTPU)),FQPCID)
025
DLC deactivation
026
RSP(ACTPU),FQPCID
027
UNBIND .
028
UNBIND .
029
Remaining CP-SVR pipe deactivation flows.
030

1. There are active sessions between SSCP1 and PU2 and SSCP1 and LUa. These are the only active SSCP-PU and SSCP-LU sessions using the CP-SVR pipe between VTAM1 and ENa.
2.
3. ENa receives a REQDISCONT from PU2.
4. The DLUR node sends an FMH5 Attach to initiate the Receive_Encap_Msg_TP at the DLUS node.
5. To signal to SSCP1 that its SSCP-PU session with PU2 should be deactivated, ENa builds a REQDACTPU with a cause value of X'01', encapsulates it, and forwards it to VTAM1 on its CP-SVR pipe.
6. VTAM1 de-encapsulates the REQDACTPU and forwards it to SSCP1.
7. SSCP1 responds to the REQDACTPU positively, passing the RSP(REQDACTPU) on to VTAM1.
8. The DLUS node sends an FMH5 Attach to initiate the Receive_Encap_Msg_TP at the DLUR node.
9. VTAM1 encapsulates the RSP(REQDACTPU) and forwards it to ENa.
10. ENa then converts the REQDISCONT into a positive RSP(REQDISCONT) and forwards it to PU2.
11. SSCP1 builds a DACTLU and passes it on to VTAM1.
12. The DLUS node sends an FMH5 Attach to initiate the Receive_Encap_Msg_TP at the DLUR node.
13. VTAM1 encapsulates the DACTLU and forwards it to ENa.
14. ENa de-encapsulates the DACTLU and forwards it to PU2 and then to LUa.
15. LUa deactivates the SSCP-LU session, converts the DACTLU into a positive RSP(DACTLU), and forwards it to PU2 and then to ENa.
16. The DLUR node sends an FMH5 Attach to initiate the Receive_Encap_Msg_TP at the DLUS node.
17. ENa then encapsulates the RSP(DACTLU) and sends it to VTAM1.
18. VTAM1 de-encapsulates the RSP(DACTLU) and forwards it to SSCP1.
19. SSCP1 builds a DACTPU and passes it on to VTAM1.
20. The DLUS node sends an FMH5 Attach to initiate the Receive_Encap_Msg_TP at the DLUR node.
21. VTAM1 encapsulates the DACTPU and forwards it to ENa.
22. ENa de-encapsulates the DACTPU and forwards it to PU2.
23. PU2 deactivates the SSCP-PU session, converts the DACTPU into a positive RSP(DACTPU), and forwards it to ENa.
24. The DLUR node sends an FMH5 Attach to initiate the Receive_Encap_Msg_TP at the DLUS node.
25. ENa then encapsulates the RSP(DACTPU) and sends it to VTAM1.
26. ENa initiates DLC deactivation to PU2.
27. VTAM1 de-encapsulates the RSP(DACTPU) and forwards it to SSCP1.
28. VTAM1 also determines that there are now no active or pending SSCP-PU sessions on its CP-SVR pipe to ENa, so it sends an UNBIND to ENa on VTAM1's conwinner session to begin deactivation of the pipe.
29. VTAM1 also sends an UNBIND on its conloser session to ENa.
30. The DLUR node sends a RSP(UNBIND) to the DLUS for the conwinner session and another RSP(UNBIND) for the conloser session. For more details on CP-SVR pipe deactivation see 5.6, "CP-SVR Pipe Deactivation" on page 5-20.

Figure 5-15 illustrates receipt of a REQDISCONT(immediate) and the resulting SSCP-PU/LU session and CP-SVR pipe deactivation:

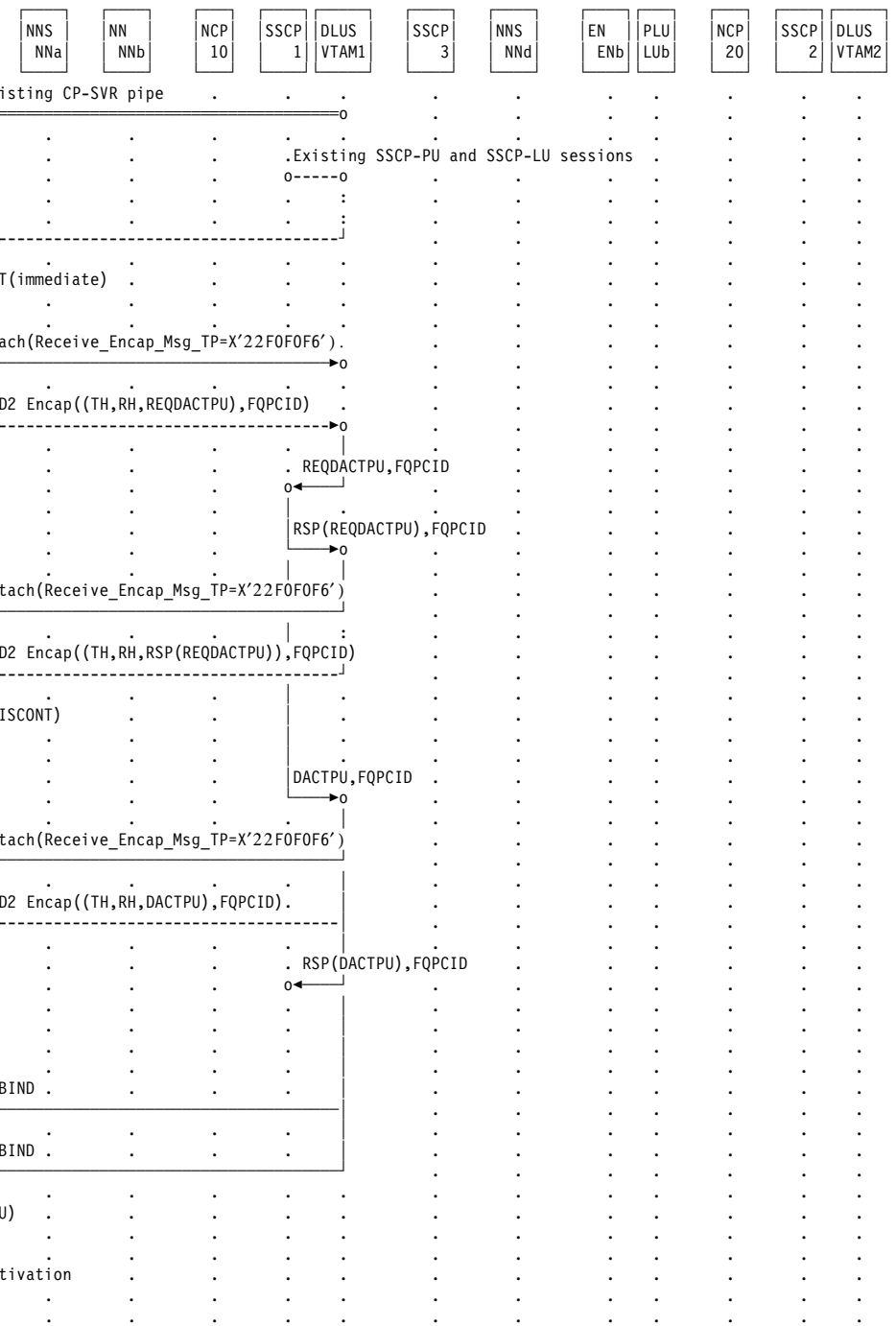
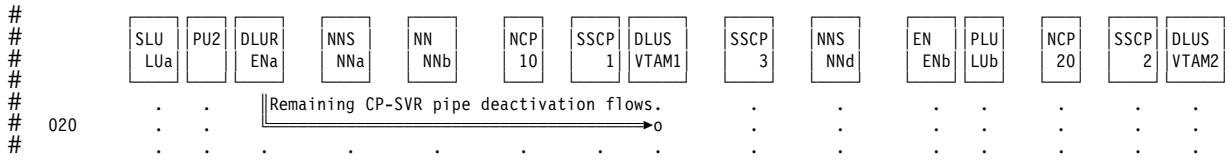


Figure 5-15. Receipt of REQDISCONT(immediate) from downstream PU


SLU LUa
PU2
DLUR ENa
NNS NNa
NN NNb
NCP 10
SSCP 1
DLUS VTAM1
SSCP 3
NNS NNd
EN ENb
PLU LUb
NCP 20
SSCP 2
DLUS VTAM2
Remaining CP-SVR pipe deactivation flows.
020

1. There are active sessions between SSCP1 and PU2 and SSCP1 and LUa. These are the only active SSCP-PU and SSCP-LU sessions using the CP-SVR pipe between VTAM1 and ENa.
2.
3. ENa receives a REQDISCONT from PU2.
4. The DLUR node sends an FMH5 Attach to initiate the Receive_Encap_Msg_TP at the DLUS node.
5. To signal to SSCP1 that its SSCP-PU session with PU2 should be deactivated, ENa builds a REQDACTPU with a cause value of X'02', encapsulates it, and forwards it to VTAM1 on its CP-SVR pipe.
6. VTAM1 de-encapsulates the REQDACTPU and forwards it to SSCP1.
7. SSCP1 responds to the REQDACTPU positively, passing the RSP(REQDACTPU) on to VTAM1.
8. The DLUS node sends an FMH5 Attach to initiate the Receive_Encap_Msg_TP at the DLUR node.
9. VTAM1 encapsulates the RSP(REQDACTPU) and forwards it to ENa.
10. ENa then converts the REQDISCONT into a positive RSP(REQDISCONT) and forwards it to PU2.
11. SSCP1 builds a DACTPU and passes it on to VTAM1.
12. The DLUS node sends an FMH5 Attach to initiate the Receive_Encap_Msg_TP at the DLUR node.
13. VTAM1 encapsulates the DACTPU and forwards it to ENa.
14. VTAM1 builds a RSP(DACTPU) and forwards it to SSCP1, not waiting for the response to return from the PU.
15. ENa de-encapsulates the DACTPU and forwards it to PU2.
16. VTAM1 determines that there are now no active or pending SSCP-PU sessions on its CP-SVR pipe to ENa, so it sends an UNBIND to ENa on VTAM1's conwinner session to begin deactivation of the pipe.
17. VTAM1 also sends an UNBIND on its conloser session to ENa.
18. PU2 deactivates the SSCP-PU and associated SSCP-LU session. It converts the DACTPU into a positive RSP(DACTPU) and returns it to ENa.
19. ENa initiates DLC deactivation to PU2, and discards the RSP(DACTPU) since the CP-SVR pipe is in the process of being deactivated.
20. The DLUR node sends a RSP(UNBIND) to the DLUS for the conwinner session and another RSP(UNBIND) for the conloser session. For more details on CP-SVR pipe deactivation see 5.6, "CP-SVR Pipe Deactivation" on page 5-20.