PVC Network-to-Network Interface (NNI) Implementation Agreement

FRF.2.2

Note:

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1.3 Acronym List

DLCI	Data Link Connection Identifier
NNI	Network-to-Network Interface
PVC	Permanent Virtual Circuit
UNI	User-Network-INterface

1.4 Releva4 Tc (-) Tj 76 0 Tw (R) Tj 0 M TD -0.0gpQs4 0 TD 0 Tc e11.04 -

PVC Network-to-7 Tw (P Interface (NNI) Implementation Agreement.04 T91.5) Tj 106 9.12 7f 0 Tc 104.04 7 ( ) Tj 106

PVC 109.44

Name	Range	Default	Units	Definition
N391	1-255	6	Polling Cycles	Full status (status of all PVCs) polling cycles.

3.4 Multi-network PVC active status criteria

The network shall report a multi-network PVC as “active” (i.e., active bit =1) at the UNI only if all the following criteria are met:

1. All PVC segments are configured.
2. Link integrity verification is successful at all UNIs and NNIs that are associated with the multi-network PVC (N393 consecutive valid polling cycles, or as defined in Section 4.3 above).
3. All UNIs and NNIs42 -0.0558 TE6cTj 0s TctFal.1149 Twno56 rvi -0affvali =1) at t8:

device (if applicable) are notified by the deletion of the PVC status information element that its associated PVC segment has been deleted.

An inactive status is propagated towards the target UNI whenever the deletion of a PVC segment is detected at the NNI.

The flows throughout this section show only the use of full status reports to signal a change in multi-

I->J	This indicates the status generated by Network I as seen by Network J.
A_{16}-I-J_{32}	This designates a PVC segment from User A through Network I to Network J. At the User A to Network I UNI, DLCI 16 is used. At the Network I to Network J NNI, DLCI 32 is used.
C	The “C” status for a particular PVC segment indicates that the PVC is configured and the PVC status information element is present in the full status report.
Not C	Th

User423Tj j 8 1.44 TD50 -11.52 37 -0.0606 is usJd. Aa

3.10.4 Example of deleting a multi-network PVC

When deleting a multi-

inactive because it is not configured on the remote network (Network I). As far as User B is concerned, the multi-network PVC is not deleted until the PVC segment is deleted on its local network (Network J).

3.10.5 Example of UNI failure and restoration

Figure e2 owsl thedletcation ofaon inactivechannelk UNIchannelI)bNeteens UserAfaod (Network k (393 valide) Tj 0 -11.52 TD -0.0

PVC Network--

Figure 8 also shows the detection of an active channel (after N393 valid polling cycles) between Network I and Network J. Network I notifies the User A that DLCI 16 is active. Network J notifies the User B that DLCI 48 is active.

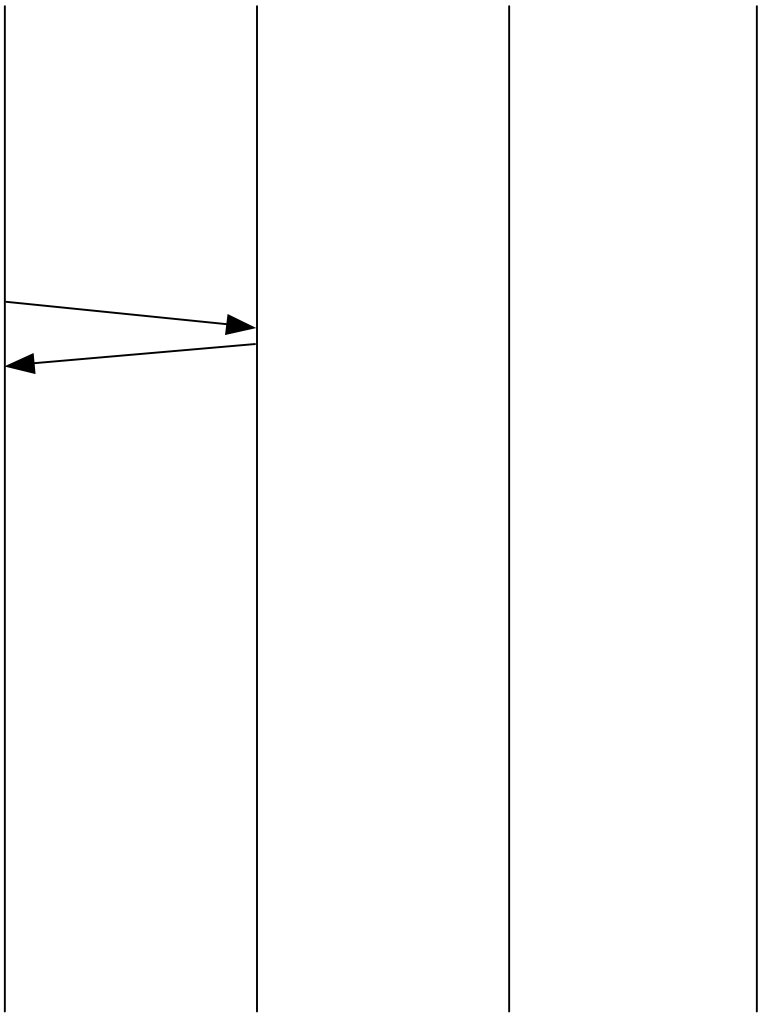

Figure 8

NNI failure and restoration

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