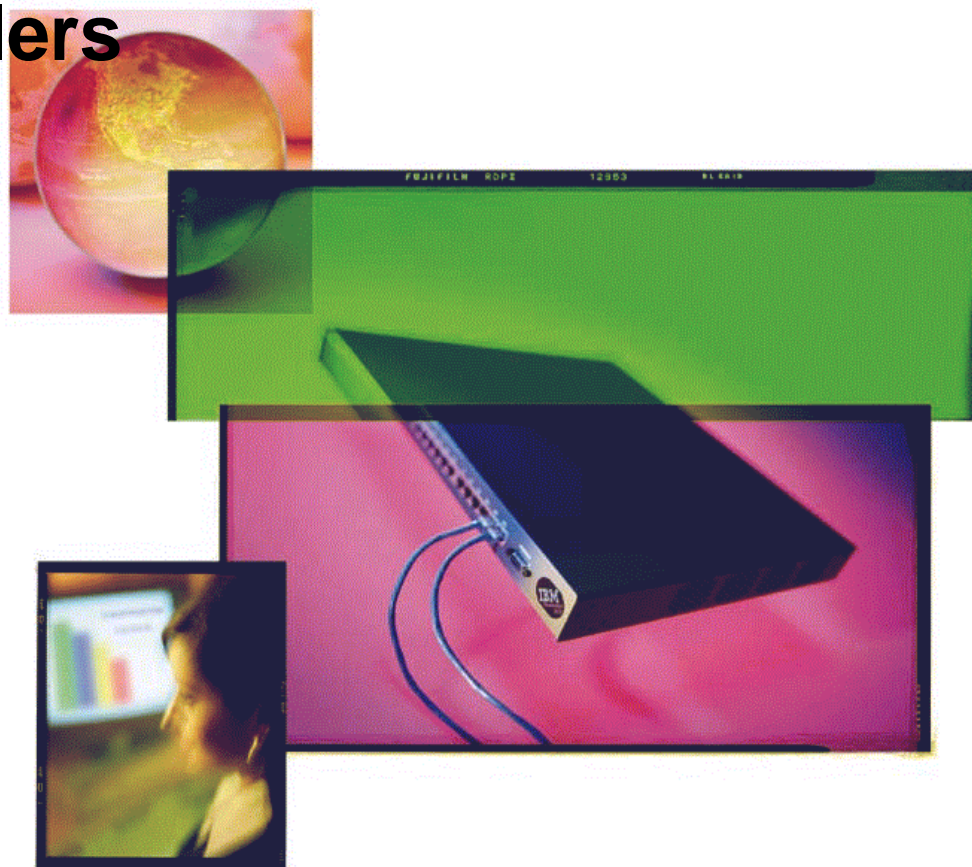


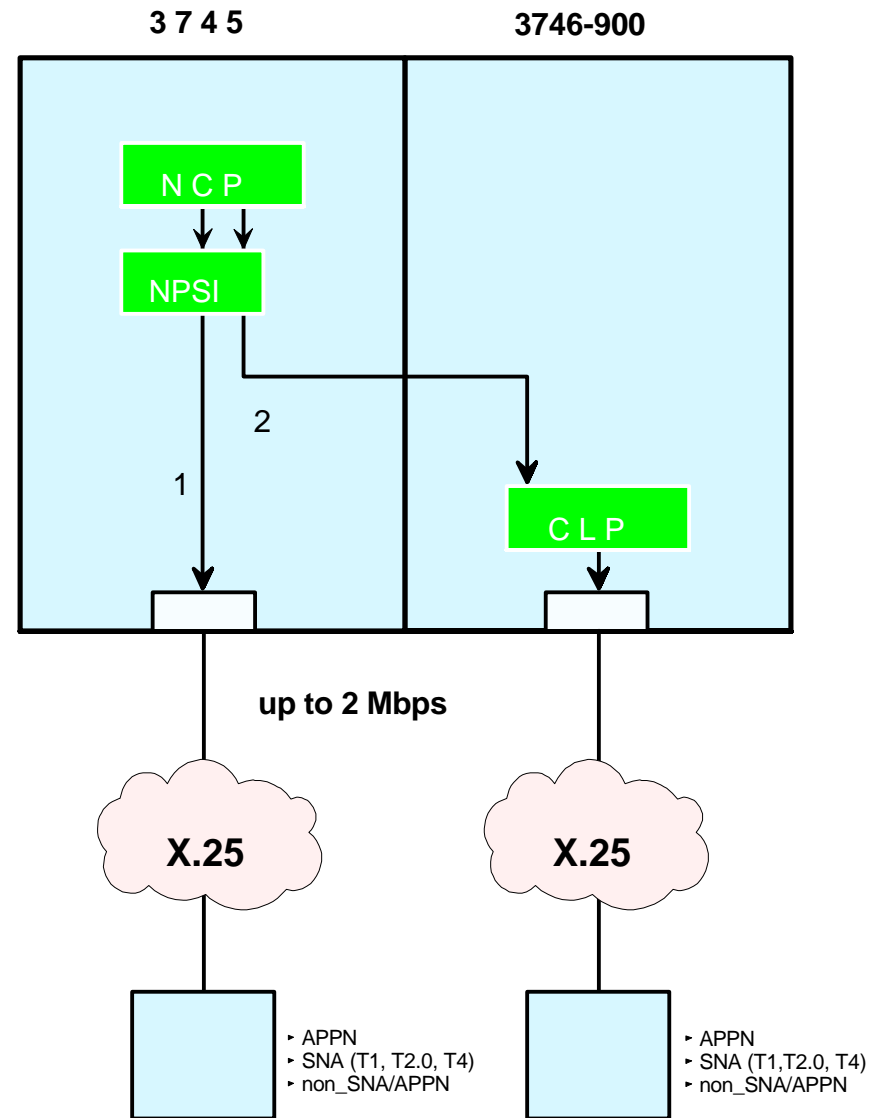
IBM 3745 IBM 3746 Nways Multiprotocol Controllers Models 900 and 950

December 2, 1997
(Revision 5)



X.25 Support (NPSI, X25_ODLC)

IBM 3745/3746-900 X25 NPSI Support



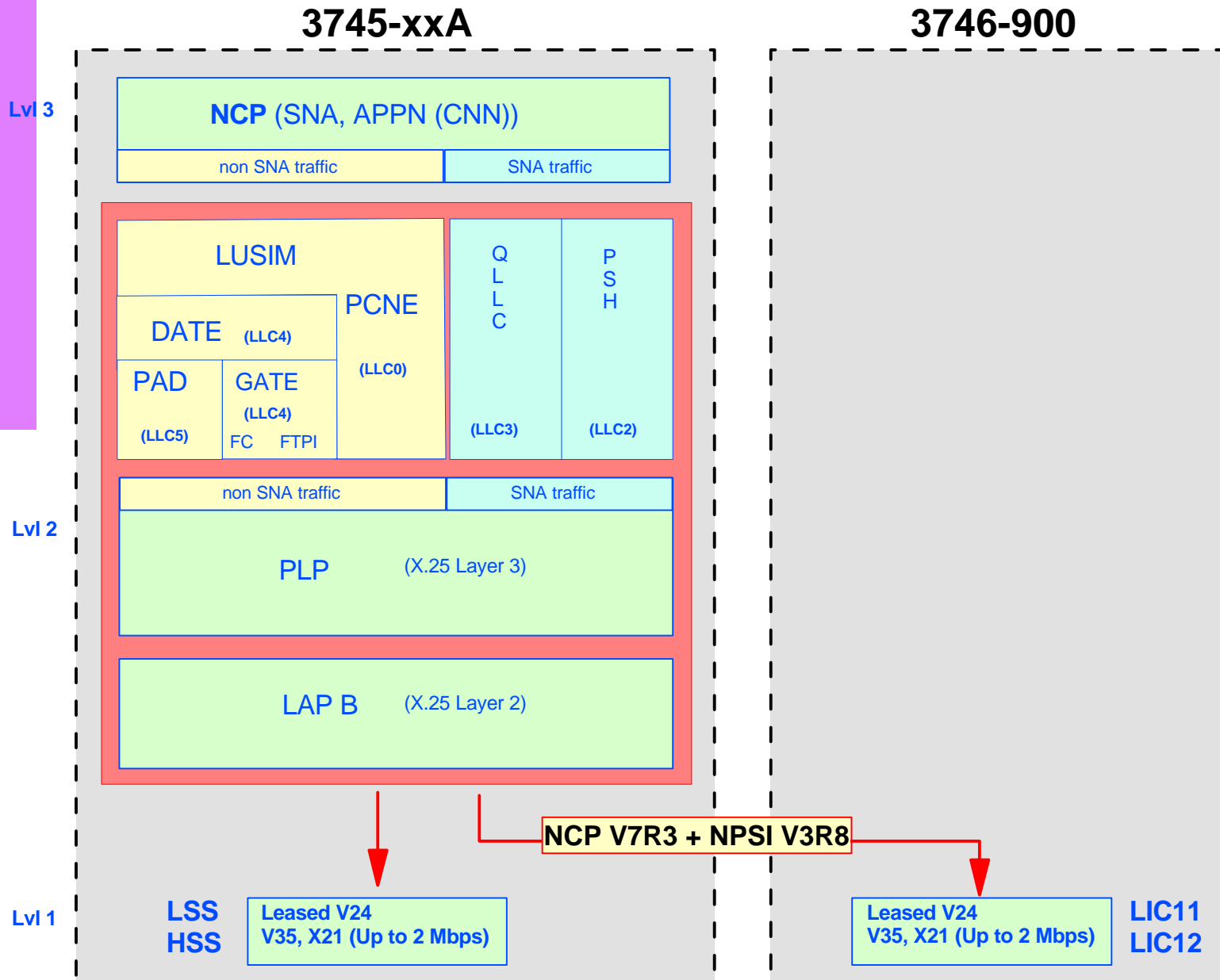
(1) Available
basic NCP + NPSI support

(2) Available since 6/30/95
NCP 7.3, NPSI 3.8

IBM 3745/3746-900 X25 NPSI Architecture



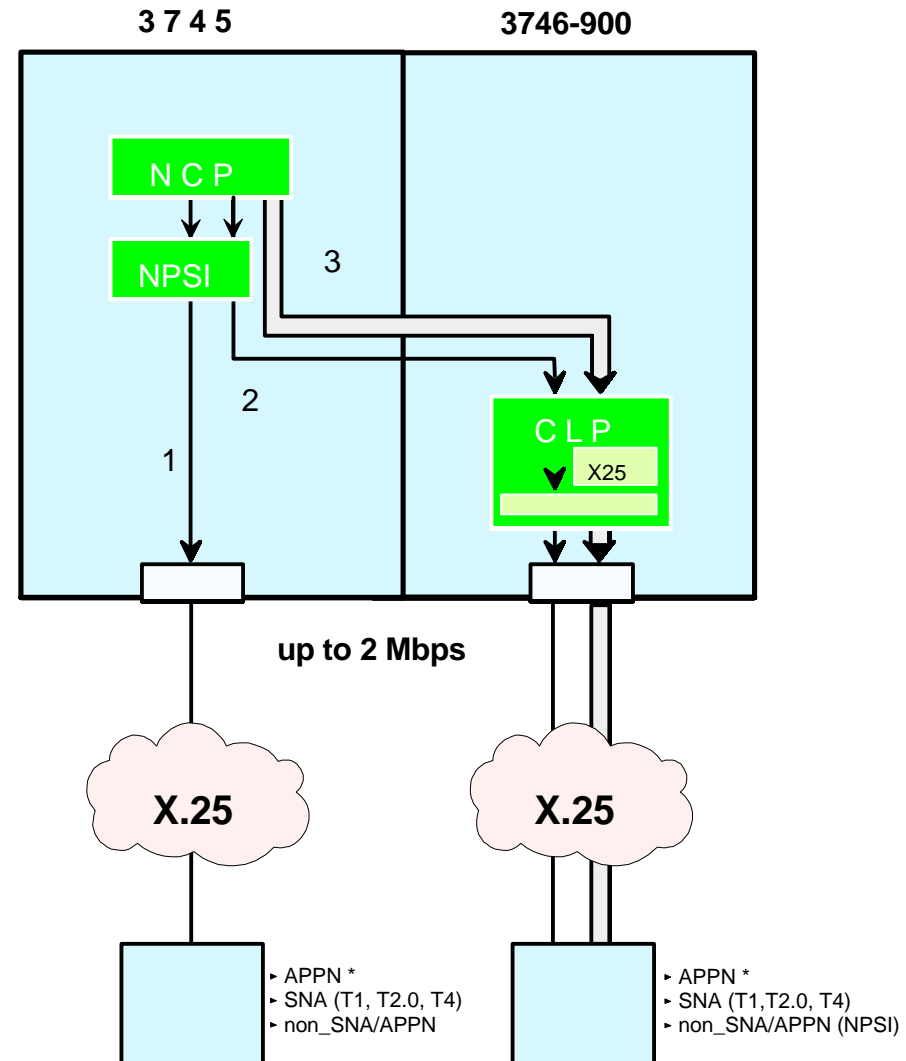
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IBM 3746-900 - X25 Support



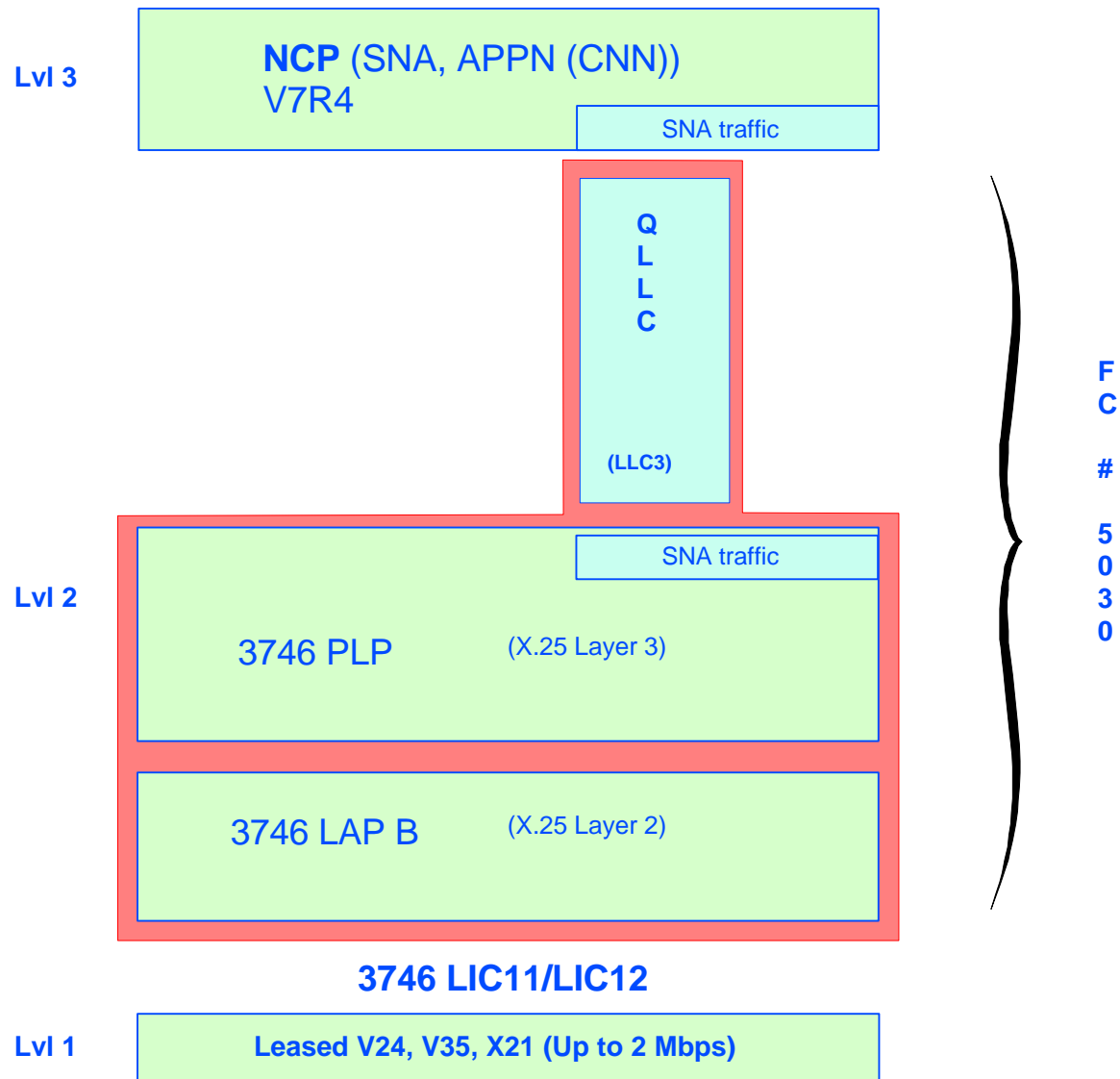
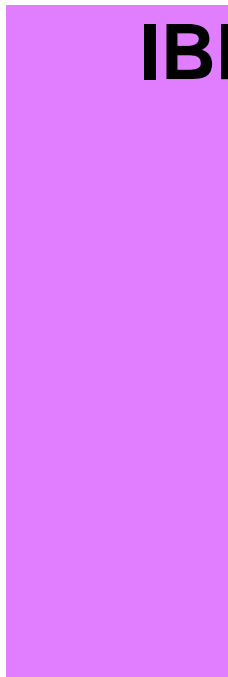
SNA/X25
NPSI Independent



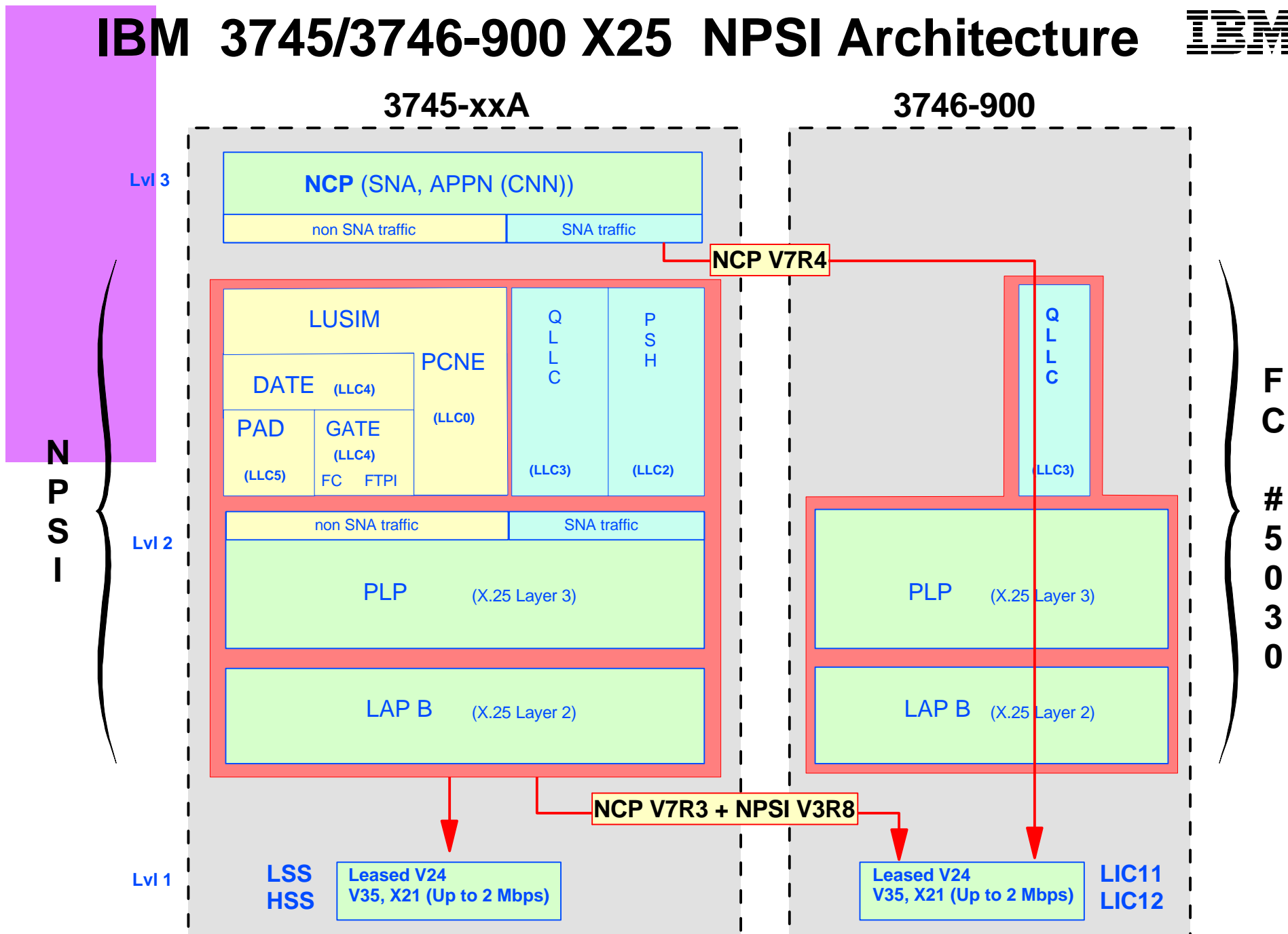
- (1) Available
basic NCP + NPSI support
- (2) Available since 6/30/95
NCP 7.3, NPSI 3.8
- (3) Availability 3/29/96
NCP 7.4, no NPSI, 3746 FC # 5030

* Supported by NCP/VTAM Composite Network Node

IBM 3746-900 X25 DLC Support



IBM 3745/3746-900 X25 NPSI Architecture



IBM 3746-900 X.25 Benefits



- **Performance increase**
 - Up to 10000 pps (3745-31A / 3746-900)
 - (up to 10 times NPSI performance)
 - 3745 CCU cycle reduction
 - (up to 90 % vs NPSI support)
 - Up to 100% efficient line utilization
 - (up to 2 Mbps)

- **Cost savings**
 - Lines consolidation
 - Attractive line tariffs for higher speeds
 - No NPSI licence

- **Investment Protection**
 - Adds traffic capacity to installed machines
 - Evolution towards 3746-950

IBM 3746-900 - X25 DLC Functions



- **Network operations over X.25**
 - PVC, SVCs
 - Protocols: SNA, APPN (CNN)
 - Subarea connections to remote 3745, 3746-900...
 - Peripheral connections to remote DTEs
 - Direct attachment of X.25 DTEs (ISO 7776, ISO 8208)

- **Hardware support (3746-900)**
 - Current adapter (CLP, LIC11, LIC12)
 - Up to 3000 stations (Virtual Circuits) per CLP
 - X.25 support feature (FC # 5030)

- **Software support (3745)**
 - NCP version 7 Release 4

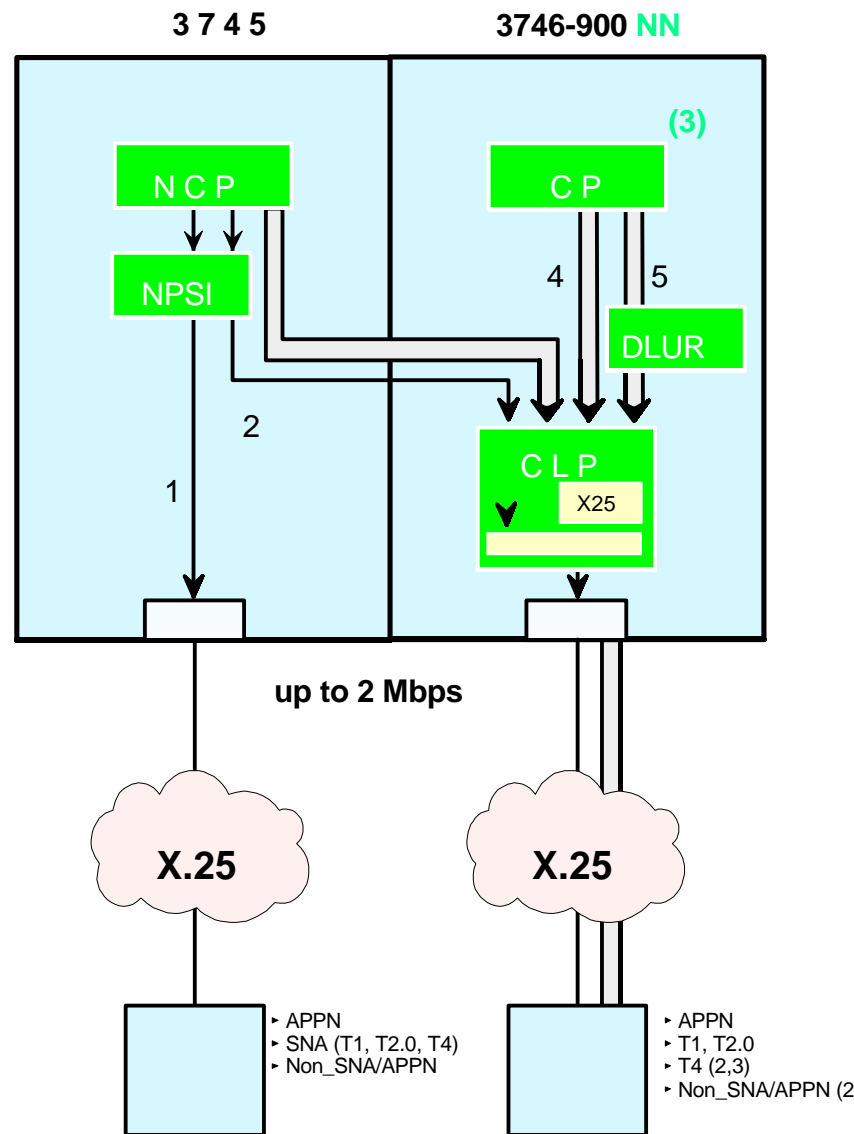
IBM 3746-900 NN - X.25 Support



Availability
6/30/97

- (1) Available**
basic NCP/NPSI support
- (2) Available since 6/30/95**
NCP 7.3, NPSI 3.8
- (3) Available since 3/29/96**
NCP 7.4, no NPSI, 3746 FC # 5030

(4) & (5) SNA/DLUR, APPN/HPR
no NCP, no NPSI



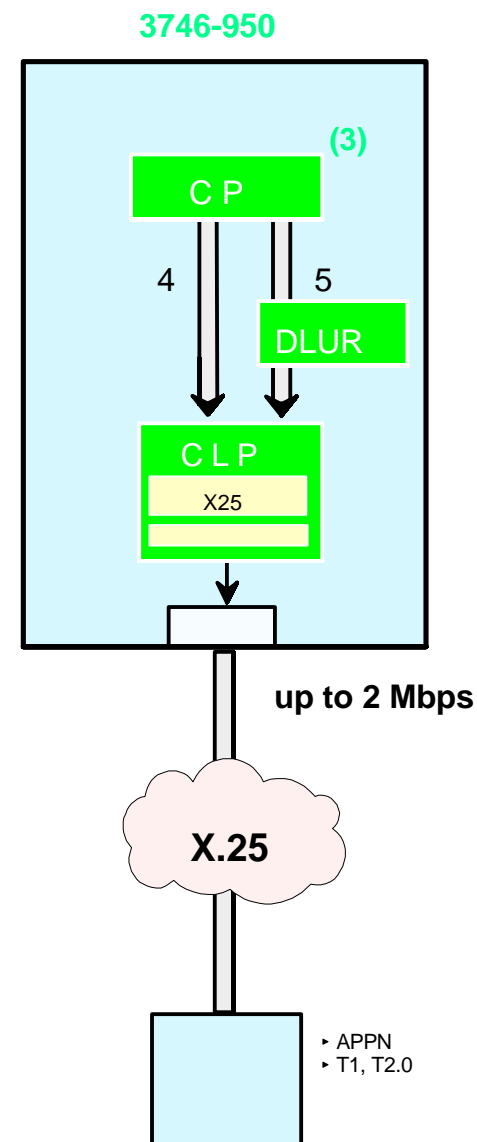
(3) APPN/HPR Control Point

IBM 3746-950 - X.25 support



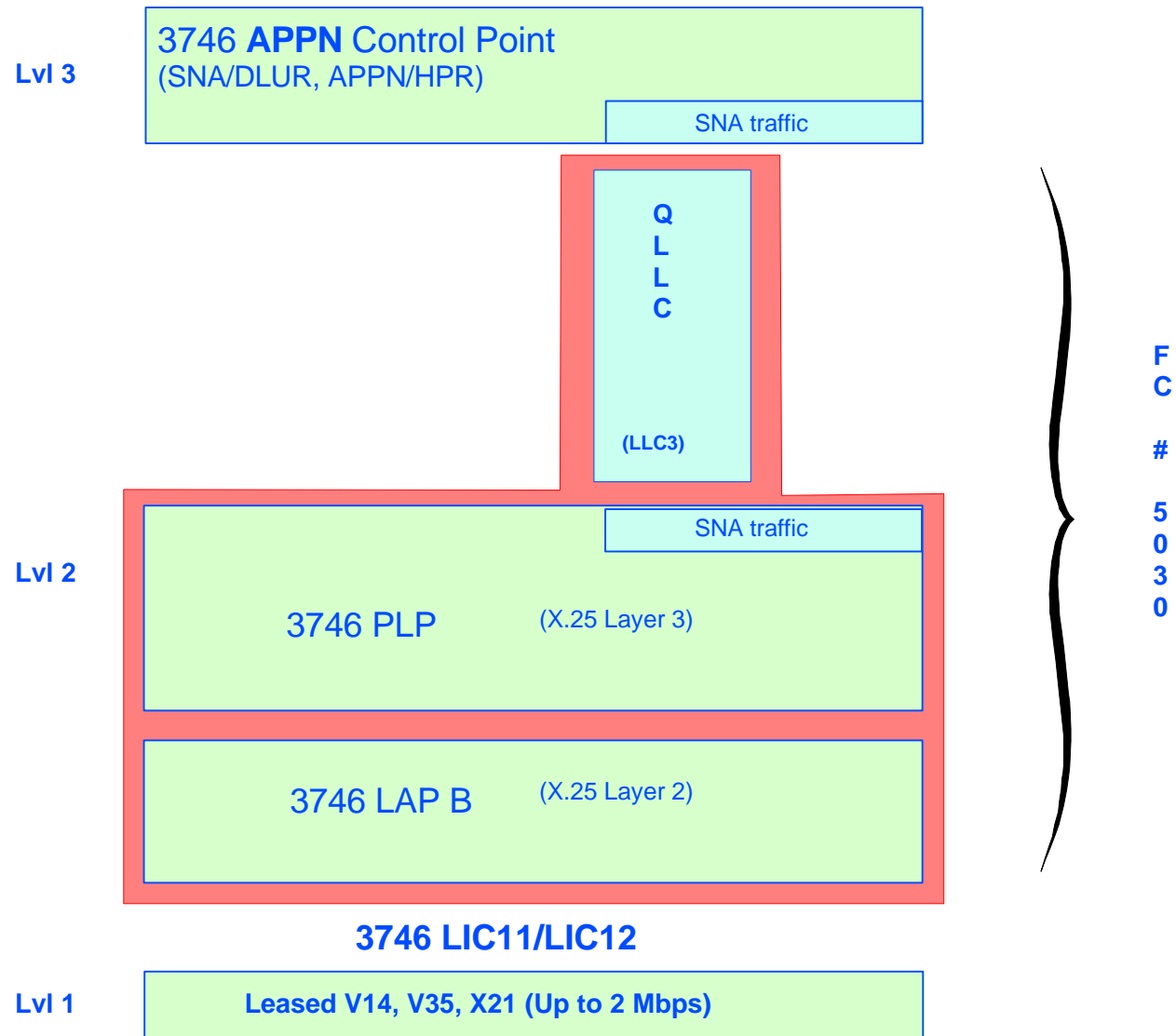
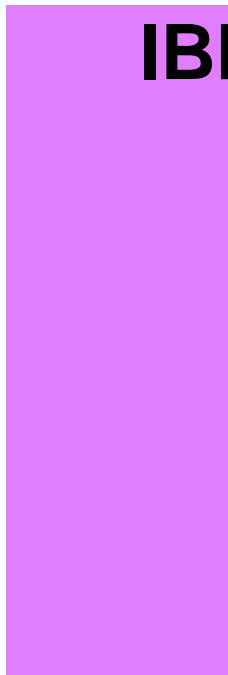
Availability
6/30/97

(4) & (5) SNA/DLUR, APPN/HPR
no NCP, no NPSI



(3) APPN/HPR Control Point

IBM 3746 - X25 Architecture



IBM 3746 - X.25 support



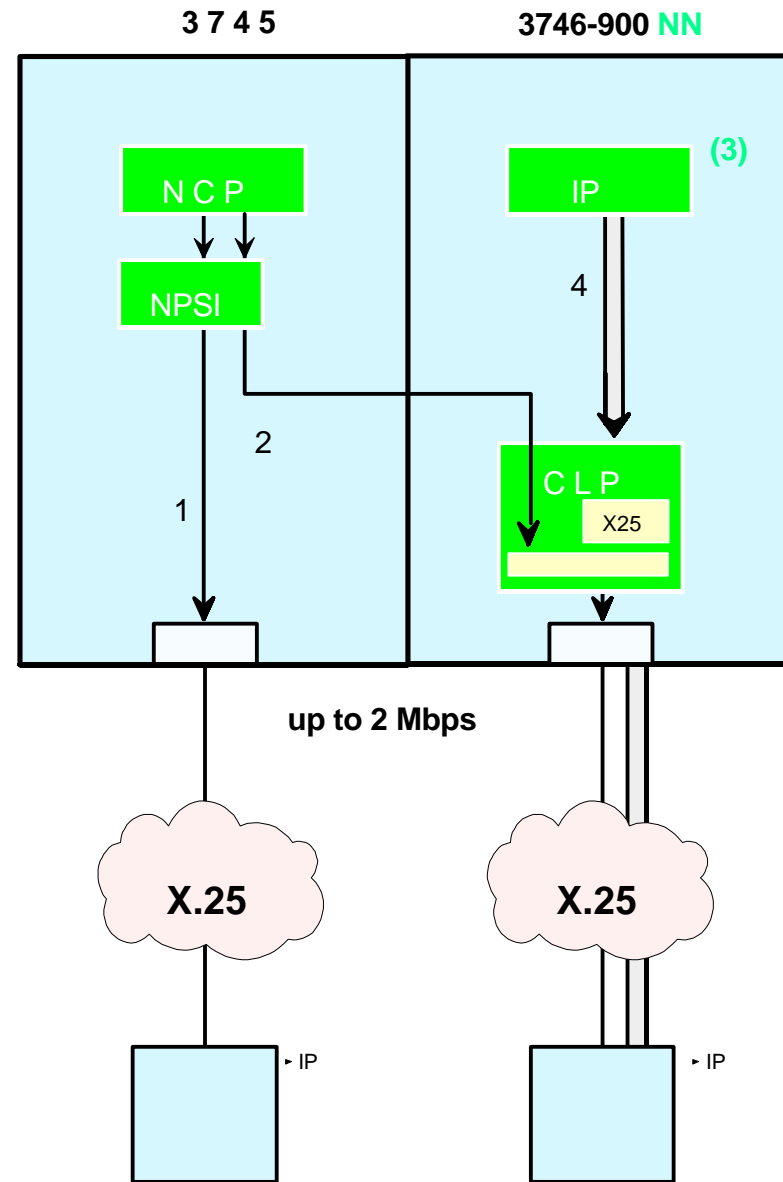
- SNA/DLUR, APPN/HPR routing in the 3746 (CLP)
- Performance increase
 - Up to 5 times 3745-210
 - (projection versus NPSI traffic)
 - Efficient line utilization
 - (up to 2 Mbps)
 - 3746-900 NN : full offload of 3745 processor
- Cost savings
 - Lines consolidation
 - Attractive line tariffs for higher speeds
 - No NPSI, No NCP charges
- Investment protection
 - Adds traffic capacity to installed machines
 - Migration path: 3745 ==> (3746-900 NN) ==> 3746-950



IBM 3746-900 NN - IP over X.25



Availability
6/30/97



(1) Available
basic NCP + NPSI support

(2) Available since 6/30/95
NCP 7.3, NPSI 3.8

(4) Availability 6/30/97
IP over X.25, 3746 FC # 5030

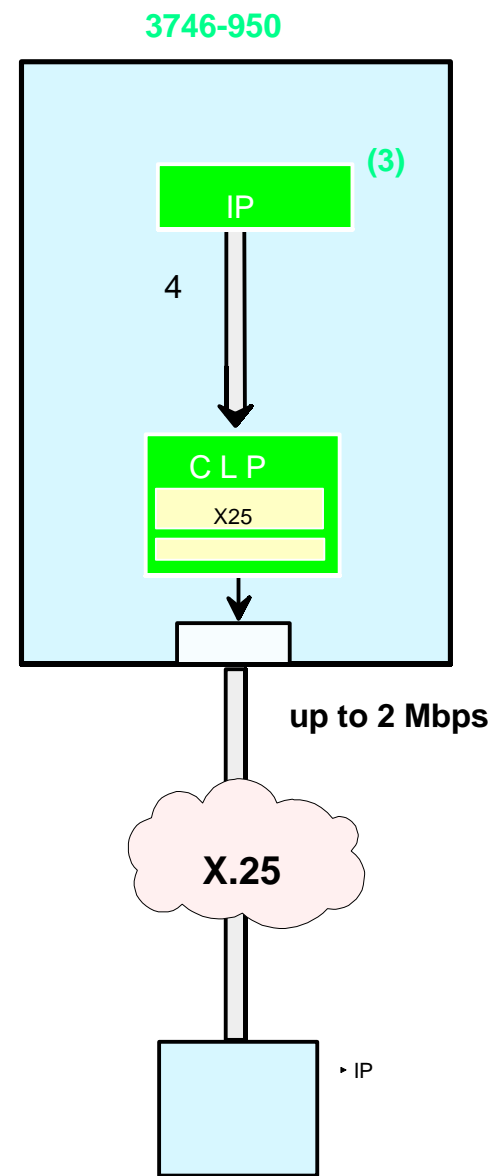
(3) IP Control Point

IBM 3746-950 - IP over X.25



Availability
6/30/97

(4) Availability 6/30/97
IP over X.25, 3746 FC # 5030

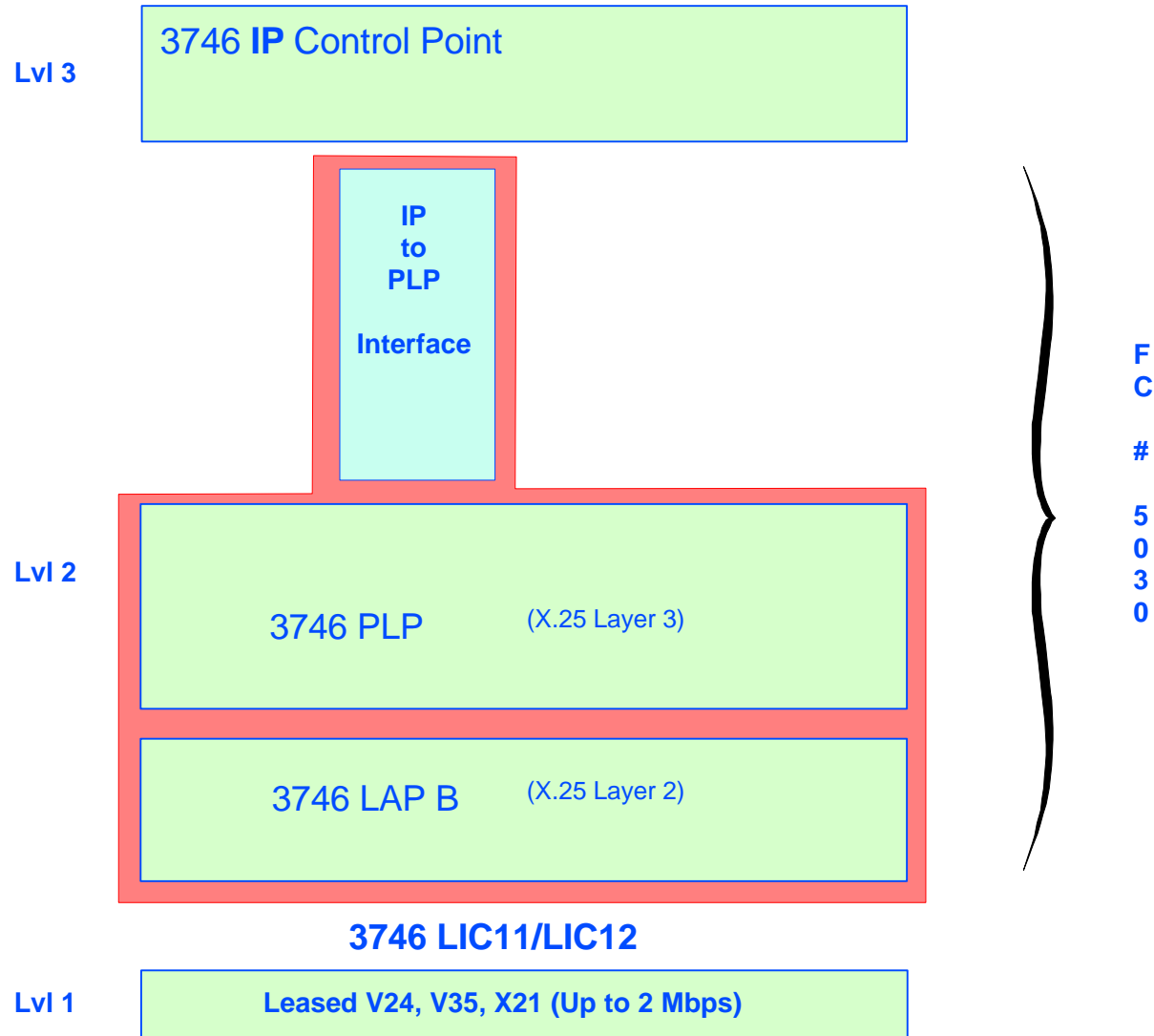


(3) IP Control Point

IBM 3746 - IP over X25 Architecture

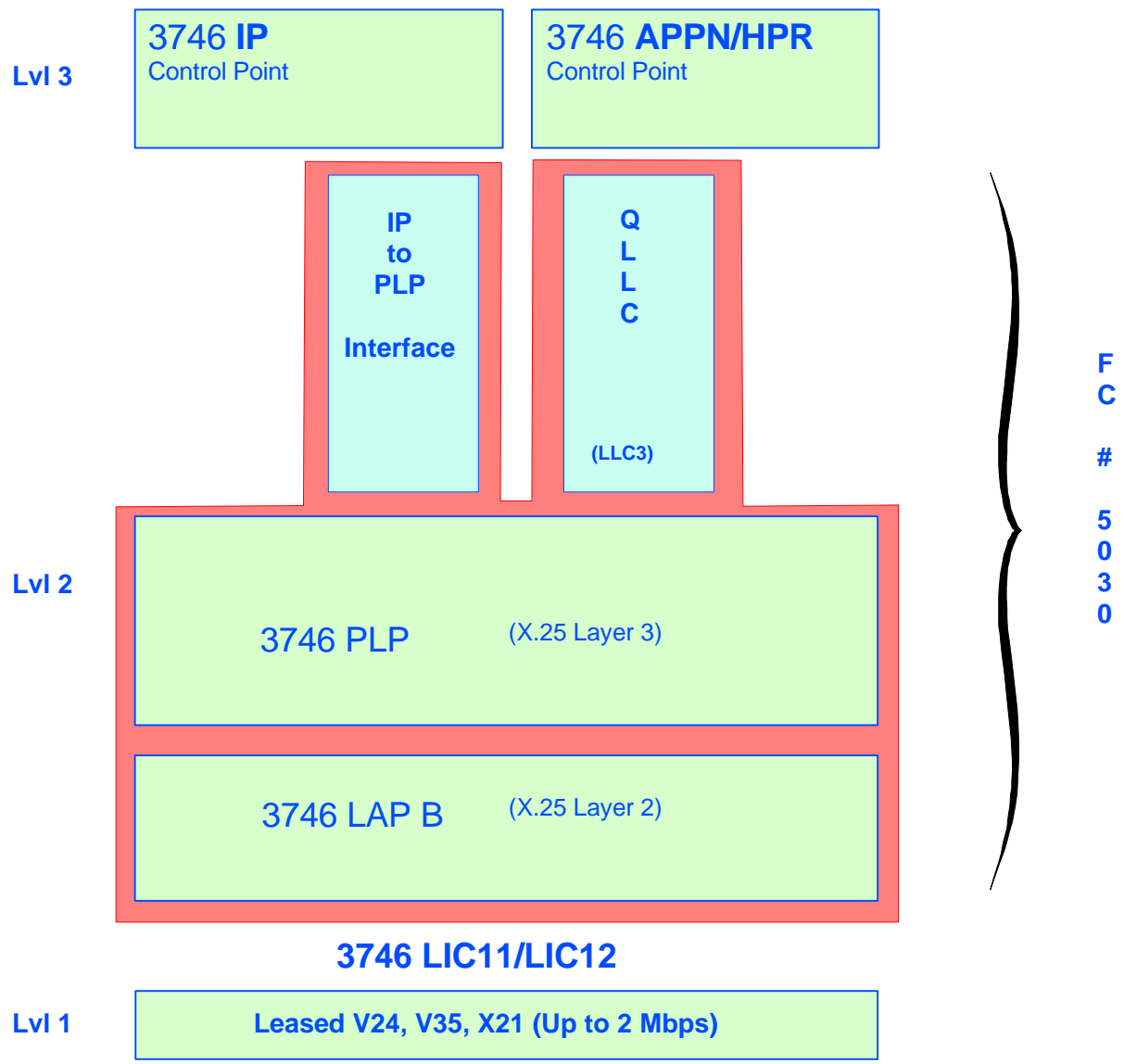


Availability
6/30/97



IBM 3746 - APPN/HPR + IP over X25 Architecture

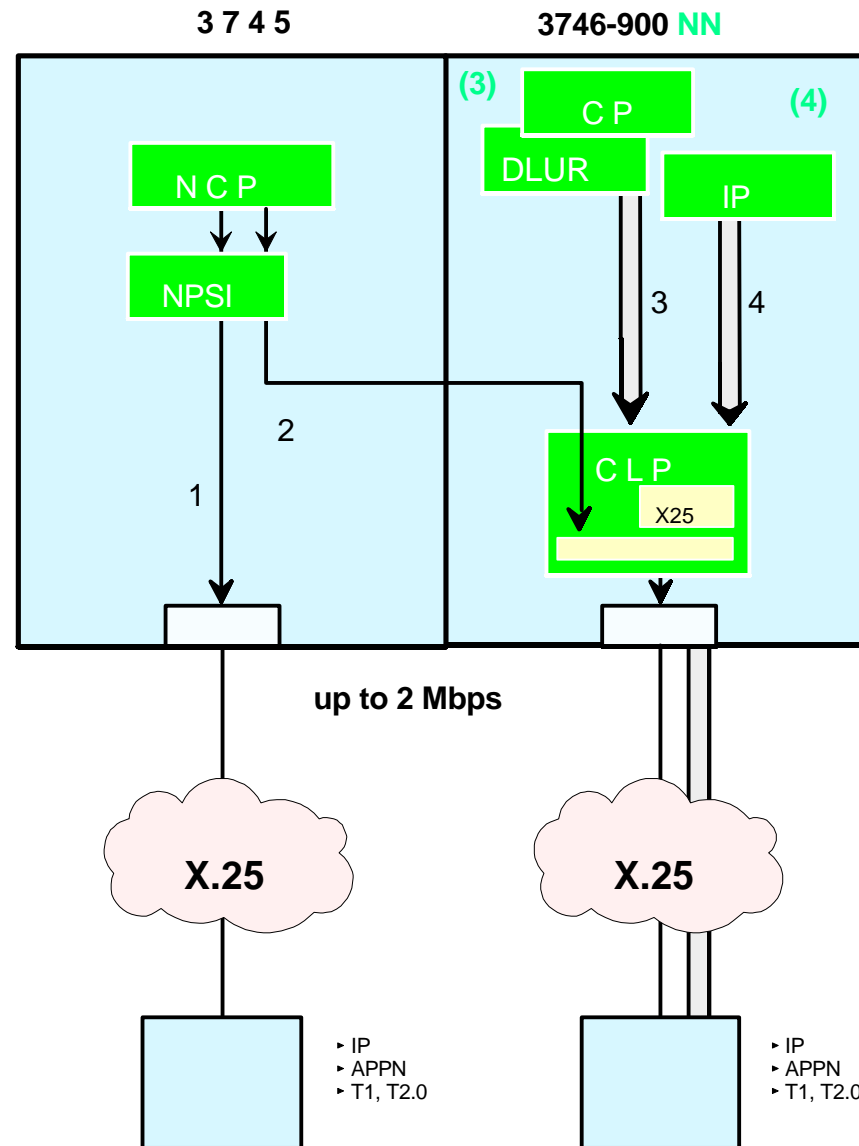
Availability
6/30/97



IBM 3746 - APPN/HPR and IP over X.25



Availability
6/30/97



(1) Available
basic NCP + NPSI support

(2) Available since 6/30/95
NCP 7.3, NPSI 3.8

(3) & (4) Availability 6/30/97
SNA/DLUR, APPN/HPR over X.25
IP over X.25
3746 FC # 5030

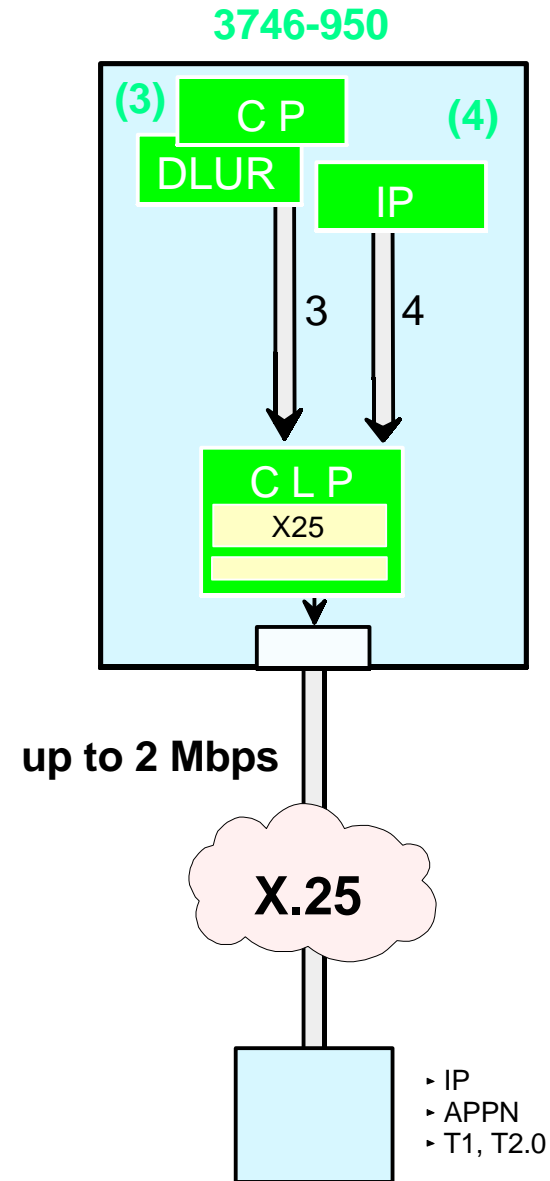
(3) APPN/HPR Control Point
(4) IP Control Point

IBM 3746-950 - APPN/HPR and IP over X.25



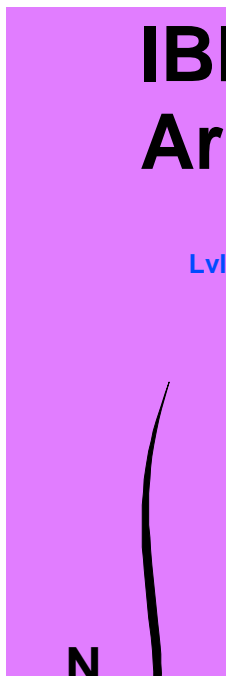
Availability
6/30/97

(3) & (4) Availability 6/30/97
SNA/DLUR, APPN/HPR over X.25
IP over X.25
3746 FC # 5030



(3) APPN/HPR Control Point
(4) IP Control Point

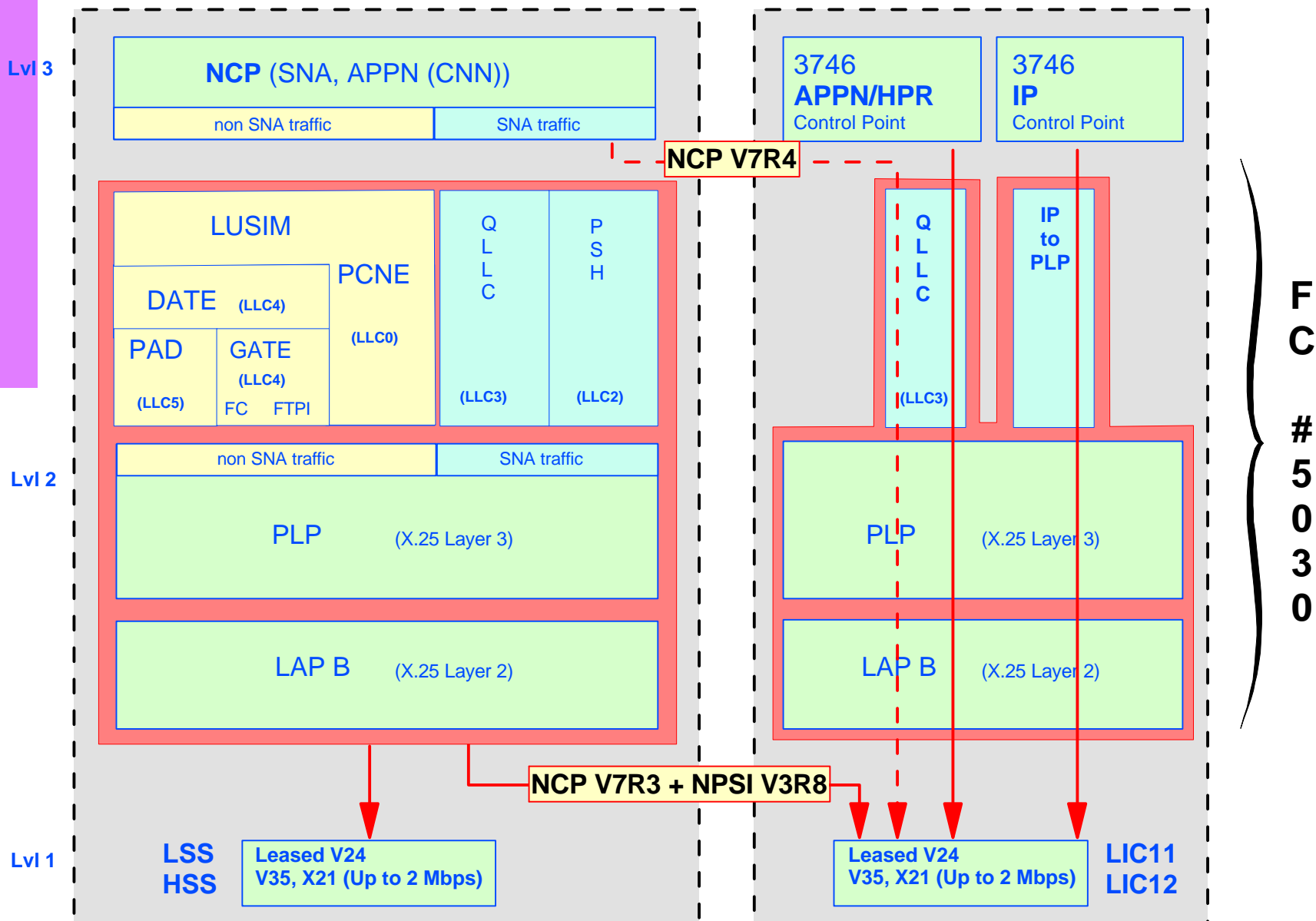
IBM 3745/3746-900NN X25 NPSI Architecture



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3746-900NN



IBM 3746 - X.25 Sharing

