Codes and IDs

This appendix includes information about the codes, IDs, and addresses that are used by functions of the Catalyst 3900. It includes the following sections:

Board IDs

Table E-1 lists the board IDs that may be displayed on the Module Information panel as described in the "Viewing Module Information" section on page 6-6 of the "Configuring the Catalyst 3900" chapter.

Table E-1 Board IDs

Decimal ID	Hexadecimal	Description
30	1E	Catalyst 3900 20-port switch
31	1F	Catalyst 3920 24-port switch
40	28	4-port UTP/STP Token Ring module
42	2A	Token Ring Stack module
44	2C	ISL 2-port Fiber Token Ring module
45	2D	ISL 2-port Token Ring module
49	31	4-port Fiber Token Ring module
50	32	ATM module (Type MMF-SC)
52	34	ATM module (Type MMF-ST)
54	36	ATM module (Type UTP)

MAC Addresses

Table E-2 describes the non-canonical format used in assigning MAC addresses to the ports of the Catalyst 3900. The base address is assumed to be the burned-in address.

Table E-2 Port MAC Addresses

Port	MAC Address
1	Base address + 01
2	Base address + 02
3	Base address + 03
4	Base address + 04
5	Base address + 05
6	Base address + 06
7	Base address + 07
8	Base address + 08
9	Base address + 09
10	Base address + 0A
11	Base address + 0B
12	Base address + 0C
13	Base address + 0D
14	Base address + 0E
15	Base address + 0F
16	Base address + 10
17	Base address + 11
18	Base address + 12
19	Base address + 13
20	Base address + 14
Module 1-1	Base address + 21
Module 1-2	Base address + 22
Module 1-3	Base address + 23
Module 1-4	Base address + 24
Module 2-1	Base address + 25
Module 2-2	Base address + 26
Module 2-3	Base address + 27
Module 2-4	Base address + 28

For VLANs, the MAC addresses are assigned sequentially starting with the base address plus 32. The base address is assumed to be the burned-in address.

Service Access Points

Table E-3 and Table E-4 list the SAPs that may be used in defining protocol classes as described in the “Assigning Classes for Protocol Filtering” section on page 6-59 of the “Configuring the Catalyst 3900” chapter.

Table E-3 IEEE Defined SAPs

Hexadecimal Value	Description
X’02’	LLC Sublayer Management
X’06’	DoD Internet
X’x6’	National Standards Bodies
X’0E’	Proway Network Management
X’4E’	Manufacturing Message Service
X’7E’	ISO 8208
X’8E’	Proway Active Station List Maintenance
X’FE’	OSI Network Layer Protocols
X’E0’	IPX
X’42’	Bridge Spanning-Tree Protocol

Table E-4 IBM Defined SAPs

Hexadecimal Value	Description
X’04’	SNA Path Control Individual
X’F0’	NetBIOS
X’F4’	LAN Management Individual
X’F8’	IMPL
X’FC’	Discovery
X’DC’	Dynamic Address Resolution
X’D4’	Resource Management

Ethertypes

Table E-5 lists the possible ethertypes that you can use in defining protocol filters.

Table E-5 Ethertypes

Hexadecimal Value	Description
X’0000’ through X’05DC’	IEEE 802.3
X’0600’	Xerox XNS IDP
X’0800’	DoD IP
X’0801’	X.75 Internet
X’0802’	NBS Internet
X’0803’	ECMA Internet
X’0804’	CHAOSnet
X’0805’	X.25 Level 3
X’0806’	ARP (for IP and CHAOS)
X’6001’	DEC MOP Dump/Load Assistance
X’6002’	DEC MOP Remote Console
X’6003’	DEC DECnet Phase IV
X’6004’	DEC LAT
X’6005’	DEC DECnet Diagnostics
X’6010’ through X’6014’	3Com Corporation
X’7000’ through X’7002’	Ungermann-Base download
X’7030’	Proteon
X’7034’	Cabletron
X’8035’	Reverse ARP
X’8046’ through X’8047’	AT&T
X’8088’ through X’808A’	Xyplex
X’809B’	Kinetics Ethertalk (Appletalk over Ethernet)
X’80C0’ through X’80C3’	Digital Communications Associates
X’80D5’	IBM SNA Services over Ethernet
X’80F2’	Retix
X’80F3’ through X’80F5’	Kinetics
X’80F7’	Apollo Computer
X’80FF’ through X’8103’	Wellfleet Communications
X’8137’ through X’8138’	Novell