

APPENDIX **B**

MAC BRIDGE PROTOCOL FILTERS AND OUIs

B.1 Ethernet II Types (RFC 1700)

B.1.1 Listing by Description

DESCRIPTION	TYPE (HEX VALUES)
3Com Corporation	0x6010-0x6014
3Com(Bridge) loop detect	0x9003
3Com(Bridge) TCP-IP Sys	0x9002
3Com(Bridge) XNS Sys Mgmt	0x9001
Advanced Encryption System	0x823E-0x8240
Aeonic Systems	0x8036
Allen-Bradley	0x80E0-0x80E3
Alpha Micro	0x814A
Apollo Computer	0x80F7
Apollo Computers	0x8019
Appletalk	0x809B
AppleTalk AARP (Kinetics)	0x80F3
Applitek Corporation	0x80C7
Apricot Computers	0x81CC-0x81D5
ARAI Bunkichi	0x81A4
ARP	0x0806
Artisoft	0x81D6-0x81DD
Ascom Banking Systems	0x8221-0x8222

*Appendix B: MAC Bridge Protocol Filters and OUIs
Ethernet II Types (RFC 1700)*

DESCRIPTION	TYPE (HEX VALUES)
AT&T	0x8008
AT&T	0x8046
AT&T	0x8047
AT&T	0x8069
Athena Programming	0x827F-0x8282
ATOMIC	0x86DF
Autophon	0x806A
Banyan Systems	0x0BAD
Banyan Systems	0x80C4
Banyan Systems	0x80C5
BBN Simnet	0x5208
BBN VITAL-LanBridge cache	0xFF00
Berkeley Trailer encap/IP	0x1001-0x100F
Berkeley Trailer nego	0x1000
BIIN	0x814D
BIIN	0x814E
Bridge Communications	0x8132-0x8136
Cabletron	0x7034
Chaosnet	0x0804
Charles River Data System	0x8164-0x8166
Charles River Data System	0x8263-0x826A
ComDesign	0x806C
Computer Network Tech	0x869E-0x86A1
Computer Protocol Pty Ltd.	0x815C-0x815E
Computgraphic Corp.	0x806D
Comsat Labs	0x81F0-0x81F2

*Appendix B: MAC Bridge Protocol Filters and OUIs
Ethernet II Types (RFC 1700)*

DESCRIPTION	TYPE (HEX VALUES)
Counterpoint Computers	0x8062
Counterpoint Computers	0x8081-0x8083
Cronus Direct	0x8004
Cronus VLN	0x8003
Dansk Data Elektronik	0x807B
Datability	0x809C-0x809E
Datability	0x80E4-0x80F0
DCA Data Exchange Cluster	0x80C0-0x80C3
DEC Customer Protocol	0x6006
DEC DECNET Phase IV Route	0x6003
DEC Diagnostic Protocol	0x6005
DEC Ethernet Encryption	0x803D
DEC LAN Traffic Monitor	0x803F
DEC LANBridge	0x8038
DEC LAT	0x6004
DEC LAVC, SCA	0x6007
DEC MOP Dump/Load	0x6001
DEC MOP Remote Console	0x6002
DEC Unassigned	0x6008-0x6009
DEC Unassigned	0x8039-0x803C
DEC Unassigned	0x803E
DEC Unassigned	0x8040-0x8042
DEC Unassigned (Exp.)	0x6000
Delta Controls	0x86DE
DLOG	0x0660
DLOG	0x0661

*Appendix B: MAC Bridge Protocol Filters and OUIs
Ethernet II Types (RFC 1700)*

DESCRIPTION	TYPE (HEX VALUES)
ECMA Internet	0x0803
Evans & Sutherland	0x805D
Excelan	0x8010
ExperData	0x8049
Gateway Communications	0x86A3-0x86AC
General Dynamics	0x8068
Harris Corporation	0x80CD-0x80CE
Hayes Microcomputers	0x8130
HP Probe	0x8005
IBM SNA Service on Ether	0x80D5
Idea Courier	0x8694-0x869D
Inst Ind Info Tech	0x829A-0x829B
Integrated Solutions TRFS	0x80DE-0x80DF
Intergraph Corporation	0x80C8-0x80CC
Internet IP (IPv4)	0x0800
Invisible Software	0x8A96-0x8A97
ISC Bunker Ramo	0xFF00-0xFF0F
Kinetics	0x80F4-0x80F5
KTI	0x8139-0x813D
Landis & Gyr Powers	0x86E0-0x86EF
Landmark Graphics Corp.	0x806E-0x8077
Little Machines	0x8060
Logicraft	0x8148
Loopback	0x9000
LRT	0x7020-0x7029
Matra	0x807A

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DESCRIPTION	TYPE (HEX VALUES)
Merit Internodal	0x807C
Motorola	0x8700-0x8710
Motorola Computer	0x818D
NBS Internet	0x0802
Nestar	0x8006
Network Computing Devices	0x8149
Nixdorf Computers	0x80A3
Novell, Inc.	0x8137-0x8138
Pacer Software	0x80C6
PCS Basic Block Protocol	0x4242
Planning Research Corp.	0x8044
Polygon	0x81E6-0x81EF
Proteon	0x7030
Protocol Engines	0x817D-0x818C
PUP Addr Trans	0x0A01
Qualcomm	0x8151-0x8153
Qualcomm	0x819A-0x81A3
Quantum Software	0x8203-0x8205
RAD Network Devices	0x81A5-0x81AE
Rational Corp	0x8150
Retix	0x80F2
Reverse ARP	0x8035
Rosemount Corporation	0x80D3-0x80D4
SAIC	0x81F3-0x81F5
SECTRA	0x86DB
SGI bounce server	0x8016

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Ethernet II Types (RFC 1700)*

DESCRIPTION	TYPE (HEX VALUES)
SGI diagnostics	0x8013
SGI network games	0x8014
SGI reserved	0x8015
Siemens Gammasonics Inc.	0x80A4-0x80B3
SNMP	0x814C
Spider Systems Ltd.	0x809F
Stanford V Kernel exp.	0x805B
Stanford V Kernel prod.	0x805C
Symbolics Private	0x081C
Symbolics Private	0x8107-0x8109
Taurus Controls	0x829C-0x82AB
Taylor Instrument	0x80CF-0x80D2
Technically Elite Concept	0x814F
Tigan, Inc.	0x802F
Tymshare	0x802E
Ungermann-Bass dia/loop	0x7002
Ungermann-Bass download	0x7000
Ungermann-Bass net debugr	0x0900
Univ. of Mass. @ Amherst	0x8065
Univ. of Mass. @ Amherst	0x8066
Valid Systems	0x1600
Varian Associates	0x80DD
Veeco Integrated Auto.	0x8067
VG Analytical	0x81F6-0x81F8
VG Laboratory Systems	0x8131
Vitalink Communications	0x807D-0x807F

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DESCRIPTION	TYPE (HEX VALUES)
Vitalink TransLAN III	0x8080
Walker Richer & Quinn	0x82AC-0x8693
Wellfleet Communications	0x80FF-0x8103
X.25 Level 3	0x0805
X.75 Internet	0x0801
Xerox IEEE802.3 PUP	0x0A00
XEROX NS IDP	0x0600
XNS Compatibility	0x0807
Xyplex	0x0888-0x088A
Xyplex	0x81B7-0x81B9

B.1.2 Listing By Type (Hexadecimal)

TYPE (HEX VALUES)	DESCRIPTION
0x0600	XEROX NS IDP
0x0660	DLOG
0x0661	DLOG
0x0800	Internet IP (IPv4)
0x0801	X.75 Internet
0x0802	NBS Internet
0x0803	ECMA Internet
0x0804	Chaosnet
0x0805	X.25 Level 3
0x0806	ARP
0x0807	XNS Compatibility
0x081C	Symbolics Private
0x0888-0x088A	Xyplex
0x0900	Ungermann-Bass net debugr
0x0A00	Xerox IEEE802.3 PUP
0x0A01	PUP Addr Trans
0x0BAD	Banyan Systems
0x1000	Berkeley Trailer nego
0x1001-0x100F	Berkeley Trailer encap/IP
0x1600	Valid Systems
0x4242	PCS Basic Block Protocol
0x5208	BBN Simnet
0x6000	DEC Unassigned (Exp.)
0x6001	DEC MOP Dump/Load
0x6002	DEC MOP Remote Console

*Appendix B: MAC Bridge Protocol Filters and OUIs
Ethernet II Types (RFC 1700)*

TYPE (HEX VALUES)	DESCRIPTION
0x6003	DEC DECNET Phase IV Route
0x6004	DEC LAT
0x6005	DEC Diagnostic Protocol
0x6006	DEC Customer Protocol
0x6007	DEC LAVC, SCA
0x6008-	DEC Unassigned
0x6009	DEC Unassigned
0x6010-0x6014	3Com Corporation
0x7000	Ungermann-Bass download
0x7002	Ungermann-Bass dia/loop
0x7020-0x7029	LRT
0x7030	Proteon
0x7034	Cabletron
0x8003	Cronus VLN
0x8004	Cronus Direct
0x8005	HP Probe
0x8006	Nestar
0x8008	AT&T
0x8010	Excelan
0x8013	SGI diagnostics
0x8014	SGI network games
0x8015	SGI reserved
0x8016	SGI bounce server
0x8019	Apollo Computers
0x802E	Tymshare
0x802F	Tigan, Inc.

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TYPE (HEX VALUES)	DESCRIPTION
0x8035	Reverse ARP
0x8036	Aeonic Systems
0x8038	DEC LANBridge
0x8039-0x803C	DEC Unassigned
0x803D	DEC Ethernet Encryption
0x803E	DEC Unassigned
0x803F	DEC LAN Traffic Monitor
0x8040-0x8042	DEC Unassigned
0x8044	Planning Research Corp.
0x8046	AT&T
0x8047	AT&T
0x8049	ExperData
0x805B	Stanford V Kernel exp.
0x805C	Stanford V Kernel prod.
0x805D	Evans & Sutherland
0x8060	Little Machines
0x8062	Counterpoint Computers
0x8065	Univ. of Mass. @ Amherst
0x8066	Univ. of Mass. @ Amherst
0x8067	Veeco Integrated Auto.
0x8068	General Dynamics
0x8069	AT&T
0x806A	Autophon
0x806C	ComDesign
0x806D	Computgraphic Corp.
0x806E-0x8077	Landmark Graphics Corp.

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Ethernet II Types (RFC 1700)*

TYPE (HEX VALUES)	DESCRIPTION
0x807A	Matra
0x807B	Dansk Data Elektronik
0x807C	Merit Internodal
0x807D-0x807F	Vitalink Communications
0x8080	Vitalink TransLAN III
0x8081-0x8083	Counterpoint Computers
0x809B	Appletalk
0x809C-0x809E	Datability
0x809F	Spider Systems Ltd.
0x80A3	Nixdorf Computers
0x80A4-0x80B3	Siemens Gammasonics Inc.
0x80C0-0x80C3	DCA Data Exchange Cluster
0x80C4	Banyan Systems
0x80C5	Banyan Systems
0x80C6	Pacer Software
0x80C7	Applitek Corporation
0x80C8-0x80CC	Intergraph Corporation
0x80CD-0x80CE	Harris Corporation
0x80CF-0x80D2	Taylor Instrument
0x80D3-0x80D4	Rosemount Corporation
0x80D5	IBM SNA Service on Ether
0x80DD	Varian Associates
0x80DE-0x80DF	Integrated Solutions TRFS
0x80E0-0x80E3	Allen-Bradley
0x80E4-0x80F0	Datability
0x80F2	Retix

Appendix B: MAC Bridge Protocol Filters and OUIs
Ethernet II Types (RFC 1700)

TYPE (HEX VALUES)	DESCRIPTION
0x80F3	AppleTalk AARP (Kinetics)
0x80F4-0x80F5	Kinetics
0x80F7	Apollo Computer
0x80FF-0x8103	Wellfleet Communications
0x8107-0x8109	Symbolics Private
0x8130	Hayes Microcomputers
0x8131	VG Laboratory Systems
0x8132-0x8136	Bridge Communications
0x8137-0x8138	Novell, Inc.
0x8139-0x813D	KTI
0x8148	Logicraft
0x8149	Network Computing Devices
0x814A	Alpha Micro
0x814C	SNMP
0x814D	BIIN
0x814E	BIIN
0x814F	Technically Elite Concept
0x8150	Rational Corp
0x8151-0x8153	Qualcomm
0x815C-0x815E	Computer Protocol Pty Ltd
0x8164-0x8166	Charles River Data System
0x817D-0x818C	Protocol Engines
0x818D	Motorola Computer
0x819A-0x81A3	Qualcomm
0x81A4	ARAI Bunkichi
0x81A5-0x81AE	RAD Network Devices

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Ethernet II Types (RFC 1700)*

TYPE (HEX VALUES)	DESCRIPTION
0x81B7-0x81B9	Xyplex
0x81CC-0x81D5	Apricot Computers
0x81D6-0x81DD	Artisoft
0x81E6-0x81EF	Polygon
0x81F0-0x81F2	Comsat Labs
0x81F3-0x81F5	SAIC
0x81F6-0x81F8	VG Analytical
0x8203-0x8205	Quantum Software
0x8221-0x8222	Ascom Banking Systems
0x823E-0x8240	Advanced Encryption System
0x827F-0x8282	Athena Programming
0x8263-0x826A	Charles River Data System
0x829A-0x829B	Inst Ind Info Tech
0x829C-0x82AB	Taurus Controls
0x82AC-0x8693	Walker Richer & Quinn
0x8694-0x869D	Idea Courier
0x869E-0x86A1	Computer Network Tech
0x86A3-0x86AC	Gateway Communications
0x86DB	SECTRA
0x86DE	Delta Controls
0x86DF	ATOMIC
0x86E0-0x86EF	Landis & Gyr Powers
0x8700-0x8710	Motorola
0x8A96-0x8A97	Invisible Software
0x9000	Loopback
0x9001	3Com(Bridge) XNS Sys Mgmt

TYPE (HEX VALUES)	DESCRIPTION
0x9002	3Com(Bridge) TCP-IP Sys
0x9003	3Com(Bridge) loop detect
0xFF00	BBN VITAL-LanBridge cache
0xFF00-0xFF0F	ISC Bunker Ramo

B.2 DSAP/SSAP Types

DSAP/SSAP (HEX VALUES)	DESCRIPTION
0x0404	SNA Path Control
0x0505	SNA
0x0606	reserved (DOD IP)
0x0808	SNA
0x0C0C	SNA
0x0E0E	PROWAY-LAN network management and initialization (ISA-S72)
0x4242	MAC Bridge Spanning Tree Protocol (IEEE 802.1D-1993)
0x4E4E	MAP messaging service (EIA RS-511)
0x5E5E	ISI IP
0x8E8E	PROWAY-LAN active station list maintenance (ISA-S72)
0xAAAA	Subnetwork Access Protocol (SNAP)
0xE0E0	Novell Netware
0xF0F0	NetBIOS
0xFEFE	ISO network layer protocol (ISO CLNS DIS 8473)

B.3 OUI Values

A few important OUI values:

OUI (HEX VALUES)	DESCRIPTION
0x000000	RFC 1042 encapsulation
0x0000F8	Bridge-Tunnel encapsulation
0x0020A6	Proxim Inc.
0x00601D	Lucent Technologies
0x00C0AF	Teklogix Inc.

