IEEE 802 Numbers

Last Updated

2018-01-13

Note

This page has assignments under the control of the IEEE Registration Authority that are of primarily historic interest that and have traditionally been on the IANA web pages. For allocations under the IANA OUI [RFC7042], see the "Ethernet Numbers" IANA web page. Contact information for the IEEE Registration Authority is as follows:

URL: [http://standards.ieee.org/develop/regauth]
Phone: +1 732 465 6481
Address: The IEEE Registration Authority
445 Hoes Lane
Piscataway, NJ 08854 USA

Available Formats

XML HTML Plain text

Registries included below

- ETHER TYPES
- ORGANIZATIONALLY UNIQUE IDENTIFIERS
- Logical Link Control (LLC) Numbers

ETHER TYPES

Registration Procedure(s)

Not assigned by IANA. Per RFC 7042, updates to this registry are coordinated with the expert.

Expert(s)

Donald Eastlake (primary), Juan Carlos Zuniga (secondary)

Reference

[IEEE][RFC7042]

Note

The following list of EtherTypes is contributed unverified information from various sources. See the IEEE Registration Authority web pages at [http://standards.ieee.org/develop/regauth] for a public list of Ethertypes.

Another list of EtherTypes is maintained by Michael A. Patton and is accessible at:

[http://www.cavebear.com/archive/cavebear/Ethernet/index.html]
[ftp://ftp.cavebear.com/pub/Ethernet.txt]

Available Formats

CSV

Ethertype (decimal)	Ethertype (hex)	Exp. Ethernet (decimal)	Exp. Ethernet (octal)	Description	References
0000	0000-05DC	-	-	IEEE802.3 Length Field	[Neil_Sembower]
0257	0101-01FF	-	-	Experimental	[Neil_Sembower]

Ethertype (decimal)	Ethertype (hex)	Exp. Ethernet (decimal)	Exp. Ethernet (octal)	Description	References
0512	0200	512	1000	XEROX PUP (see 0A00)	[Boggs, D., J. Shoch, E. Taft, and R. Metcalfe, "PUP: An Internetwork Architecture", XEROX Palo Alto Research Center, CSL-79-10, July 1979; also in IEEE Transactions on Communication, Volume COM-28, Number 4, April 1980.][Neil_Sembower]
0513	0201	-	-	PUP Addr Trans (see 0A01)	[Neil_Sembower]
	0400			Nixdorf	[Neil_Sembower]
1536	0600	1536	3000	XEROX NS IDP	["The Ethernet, A Local Area Network: Data Link Layer and Physical Layer Specification", AA-K759B-TK, Digital Equipment Corporation, Maynard, MA. Also as: "The Ethernet - A Local Area Network", Version 1.0, Digital Equipment Corporation, Intel Corporation, Xerox Corporation, September 1980. And: "The Ethernet, A Local Area Network: Data Link Layer and Physical Layer Specifications", Digital, Intel and Xerox, November 1982. And: XEROX, "The Ethernet, A Local Area Network: Data Link Layer and Physical Layer Specification", X3T51/80-50, Xerox Corporation, Stamford, CT., October 1980.][Neil_Sembower]
	0660			DLOG	[Neil_Sembower]
	0661			DLOG	[Neil_Sembower]
2048	0800	513	1001	Internet Protocol version 4 (IPv4)	[RFC7042]
2049	0801	-	-	X.75 Internet	[Neil_Sembower]
2050	0802	-	-	NBS Internet	[Neil_Sembower]
2051	0803	-	-	ECMA Internet	[Neil_Sembower]
2052	0804	-	-	Chaosnet	[Neil_Sembower]
2053	0805	-	-	X.25 Level 3	[Neil_Sembower]
2054	0806	-	-	Address Resolution Protocol (ARP)	[RFC7042]
2055	0807	-	-	XNS Compatability	[Neil_Sembower]
2056	0808	-	-	Frame Relay ARP	[RFC1701]
2076	081C	-	-	Symbolics Private	[David_Plummer]
2184	0888-088A	-	-	Xyplex	[Neil_Sembower]
2304	0900	-	-	Ungermann-Bass net debugr	[Neil_Sembower]
2560	0A00	-	-	Xerox IEEE802.3 PUP	[Neil_Sembower]
2561	0A01	-	-	PUP Addr Trans	[Neil_Sembower]
2989	0BAD	-	-	Banyan VINES	[Neil_Sembower]
2990	0BAE	-	-	VINES Loopback	[RFC1701]
2991	0BAF	-	-	VINES Echo	[RFC1701]
4096	1000	-	-	Berkeley Trailer nego	[Neil_Sembower]
4097	1001-100F	-	-	Berkeley Trailer encap/IP	[Neil_Sembower]

Ethertype (decimal)	Ethertype (hex)	Exp. Ethernet (decimal)	Exp. Ethernet (octal)	Description	References
5632	1600	-	-	Valid Systems	[Neil_Sembower]
	22F3			TRILL	[RFC6325]
	22F4			L2-IS-IS	[RFC6325]
16962	4242	-	-	PCS Basic Block Protocol	[Neil_Sembower]
21000	5208	-	-	BBN Simnet	[Neil_Sembower]
24576	6000	-	-	DEC Unassigned (Exp.)	[Neil_Sembower]
24577	6001	-	-	DEC MOP Dump/Load	[Neil_Sembower]
24578	6002	-	-	DEC MOP Remote Console	[Neil_Sembower]
24579	6003	-	-	DEC DECNET Phase IV Route	[Neil_Sembower]
24580	6004	-	-	DEC LAT	[Neil_Sembower]
24581	6005	-	-	DEC Diagnostic Protocol	[Neil_Sembower]
24582	6006	-	-	DEC Customer Protocol	[Neil_Sembower]
24583	6007	-	-	DEC LAVC, SCA	[Neil_Sembower]
24584	6008-6009	-	-	DEC Unassigned	[Neil_Sembower]
24592	6010-6014	-	-	3Com Corporation	[Neil_Sembower]
25944	6558	-	-	Trans Ether Bridging	[RFC1701]
25945	6559	-	-	Raw Frame Relay	[RFC1701]
28672	7000	-	-	Ungermann-Bass download	[Neil_Sembower]
28674	7002	-	-	Ungermann-Bass dia/loop	[Neil_Sembower]
28704	7020-7029	-	-	LRT	[Neil_Sembower]
28720	7030	-	-	Proteon	[Neil_Sembower]
28724	7034	-	-	Cabletron	[Neil_Sembower]
32771	8003	-	-	Cronus VLN	[RFC824][Daniel_Tappan]
32772	8004	-	-	Cronus Direct	[RFC824][Daniel_Tappan]
32773	8005	-	-	HP Probe	[Neil_Sembower]
32774	8006	-	-	Nestar	[Neil_Sembower]
32776	8008	-	-	AT&T	[Neil_Sembower]
32784	8010	-	-	Excelan	[Neil_Sembower]
32787	8013	-	-	SGI diagnostics	[Andrew_Cherenson]
32788	8014	-	-	SGI network games	[Andrew_Cherenson]
32789	8015	-	-	SGI reserved	[Andrew_Cherenson]
32790	8016	-	-	SGI bounce server	[Andrew_Cherenson]
32793	8019	-	-	Apollo Domain	[Neil_Sembower]
32814	802E	-	-	Tymshare	[Neil_Sembower]
32815	802F	-	-	Tigan, Inc.	[Neil_Sembower]
32821	8035	-	-	Reverse Address Resolution Protocol (RARP)	[RFC903][Joseph_Murdock]
32822	8036	-	-	Aeonic Systems	[Neil_Sembower]

Ethertype (decimal)	Ethertype (hex)	Exp. Ethernet (decimal)	Exp. Ethernet (octal)	Description	References
32824	8038	-	-	DEC LANBridge	[Neil_Sembower]
32825	8039-803C	-	-	DEC Unassigned	[Neil_Sembower]
32829	803D	-	-	DEC Ethernet Encryption	[Neil_Sembower]
32830	803E	-	-	DEC Unassigned	[Neil_Sembower]
32831	803F	-	-	DEC LAN Traffic Monitor	[Neil_Sembower]
32832	8040-8042	-	-	DEC Unassigned	[Neil_Sembower]
32836	8044	-	-	Planning Research Corp.	[Neil_Sembower]
32838	8046	-	-	AT&T	[Neil_Sembower]
32839	8047	-	-	AT&T	[Neil_Sembower]
32841	8049	-	-	ExperData	[Neil_Sembower]
32859	805B	-	-	Stanford V Kernel exp.	[Neil_Sembower]
32860	805C	-	-	Stanford V Kernel prod.	[Neil_Sembower]
32861	805D	-	-	Evans & Sutherland	[Neil_Sembower]
32864	8060	-	-	Little Machines	[Neil_Sembower]
32866	8062	-	-	Counterpoint Computers	[Neil_Sembower]
32869	8065	-	-	Univ. of Mass. @ Amherst	[Neil_Sembower]
32870	8066	-	-	Univ. of Mass. @ Amherst	[Neil_Sembower]
32871	8067	-	-	Veeco Integrated Auto.	[Neil_Sembower]
32872	8068	-	-	General Dynamics	[Neil_Sembower]
32873	8069	-	-	AT&T	[Neil_Sembower]
32874	806A	-	-	Autophon	[Neil_Sembower]
32876	806C	-	-	ComDesign	[Neil_Sembower]
32877	806D	-	-	Computgraphic Corp.	[Neil_Sembower]
32878	806E-8077	-	-	Landmark Graphics Corp.	[Neil_Sembower]
32890	807A	-	-	Matra	[Neil_Sembower]
32891	807B	-	-	Dansk Data Elektronik	[Neil_Sembower]
32892	807C	-	-	Merit Internodal	[Hans_Werner_Braun]
32893	807D-807F	-	-	Vitalink Communications	[Neil_Sembower]
32896	8080	-	-	Vitalink TransLAN III	[Neil_Sembower]
32897	8081-8083	-	-	Counterpoint Computers	[Neil_Sembower]
32923	809B	-	-	Appletalk	[Neil_Sembower]
32924	809C-809E	-	-	Datability	[Neil_Sembower]
32927	809F	-	-	Spider Systems Ltd.	[Neil_Sembower]
32931	80A3	-	-	Nixdorf Computers	[Neil_Sembower]

Ethertype (decimal)	Ethertype (hex)	Exp. Ethernet (decimal)	Exp. Ethernet (octal)	Description	References
32932	80A4-80B3	-	-	Siemens Gammasonics Inc.	[Neil_Sembower]
32960	80C0-80C3	-	-	DCA Data Exchange Cluster	[Neil_Sembower]
32964	80C4	-	-	Banyan Systems	[Neil_Sembower]
32965	80C5	-	-	Banyan Systems	[Neil_Sembower]
32966	80C6	-	-	Pacer Software	[Neil_Sembower]
32967	80C7	-	-	Applitek Corporation	[Neil_Sembower]
32968	80C8-80CC	-	-	Intergraph Corporation	[Neil_Sembower]
32973	80CD-80CE	-	-	Harris Corporation	[Neil_Sembower]
32975	80CF-80D2	-	-	Taylor Instrument	[Neil_Sembower]
32979	80D3-80D4	-	-	Rosemount Corporation	[Neil_Sembower]
32981	80D5	-	-	IBM SNA Service on Ether	[Neil_Sembower]
32989	80DD	-	-	Varian Associates	[Neil_Sembower]
32990	80DE-80DF	-	-	Integrated Solutions TRFS	[Neil_Sembower]
32992	80E0-80E3	-	-	Allen-Bradley	[Neil_Sembower]
32996	80E4-80F0	-	-	Datability	[Neil_Sembower]
33010	80F2	-	-	Retix	[Neil_Sembower]
33011	80F3	-	-	AppleTalk AARP (Kinetics)	[Neil_Sembower]
33012	80F4-80F5	-	-	Kinetics	[Neil_Sembower]
33015	80F7	-	-	Apollo Computer	[Neil_Sembower]
33023	80FF	-	-	Wellfleet Communications	[Neil_Sembower]
33024	8100	-	-	Customer VLAN Tag Type (C-Tag, formerly called the Q-Tag) (initially Wellfleet)	[RFC7042]
33025	8101-8103	-	-	Wellfleet Communications	[Neil_Sembower]
33031	8107-8109	-	-	Symbolics Private	[Neil_Sembower]
33072	8130	-	-	Hayes Microcomputers	[Neil_Sembower]
33073	8131	-	-	VG Laboratory Systems	[Neil_Sembower]
33074	8132-8136			Bridge Communications	[Neil_Sembower]
33079	8137-8138	-	-	Novell, Inc.	[Neil_Sembower]
33081	8139-813D	-	-	KTI	[Neil_Sembower]

Ethertype (decimal)	Ethertype (hex)	Exp. Ethernet (decimal)	Exp. Ethernet (octal)	Description	References
	8148			Logicraft	[Neil_Sembower]
	8149			Network Computing Devices	[Neil_Sembower]
	814A			Alpha Micro	[Neil_Sembower]
33100	814C	-	-	SNMP	[Joyce_K_Reynolds]
	814D			BIIN	[Neil_Sembower]
	814E			BIIN	[Neil_Sembower]
	814F			Technically Elite Concept	[Neil_Sembower]
	8150			Rational Corp	[Neil_Sembower]
	8151-8153			Qualcomm	[Neil_Sembower]
	815C-815E			Computer Protocol Pty Ltd	[Neil_Sembower]
	8164-8166			Charles River Data System	[Neil_Sembower]
	817D			XTP	[Neil_Sembower]
	817E			SGI/Time Warner prop.	[Neil_Sembower]
	8180			HIPPI-FP encapsulation	[Neil_Sembower]
	8181			STP, HIPPI-ST	[Neil_Sembower]
	8182			Reserved for HIPPI-6400	[Neil_Sembower]
	8183			Reserved for HIPPI-6400	[Neil_Sembower]
	8184-818C			Silicon Graphics prop.	[Neil_Sembower]
	818D			Motorola Computer	[Neil_Sembower]
	819A-81A3			Qualcomm	[Neil_Sembower]
	81A4			ARAI Bunkichi	[Neil_Sembower]
	81A5-81AE			RAD Network Devices	[Neil_Sembower]
	81B7-81B9			Xyplex	[Neil_Sembower]
	81CC-81D5			Apricot Computers	[Neil_Sembower]
	81D6-81DD			Artisoft	[Neil_Sembower]
	81E6-81EF			Polygon	[Neil_Sembower]
	81F0-81F2			Comsat Labs	[Neil_Sembower]
	81F3-81F5			SAIC	[Neil_Sembower]
	81F6-81F8			VG Analytical	[Neil_Sembower]
	8203-8205			Quantum Software	[Neil_Sembower]
	8221-8222			Ascom Banking Systems	[Neil_Sembower]
	823E-8240			Advanced Encryption Syste	[Neil_Sembower]

Ethertype (decimal)	Ethertype (hex)	Exp. Ethernet (decimal)	Exp. Ethernet (octal)	Description	References
	827F-8282			Athena Programming	[Neil_Sembower]
	8263-826A			Charles River Data System	[Neil_Sembower]
	829A-829B			Inst Ind Info Tech	[Neil_Sembower]
	829C-82AB			Taurus Controls	[Neil_Sembower]
	82AC-8693			Walker Richer & Quinn	[Neil_Sembower]
	8694-869D			Idea Courier	[Neil_Sembower]
	869E-86A1			Computer Network Tech	[Neil_Sembower]
	86A3-86AC			Gateway Communications	[Neil_Sembower]
	86DB			SECTRA	[Neil_Sembower]
	86DE			Delta Controls	[Neil_Sembower]
	86DD			Internet Protocol version 6 (IPv6)	[RFC7042]
34527	86DF	-	-	ATOMIC	[JBP]
	86E0-86EF			Landis & Gyr Powers	[Neil_Sembower]
	8700-8710			Motorola	[Neil_Sembower]
34667	876B	-	-	TCP/IP Compression	[RFC1144][RFC1701]
34668	876C	-	-	IP Autonomous Systems	[RFC1701]
34669	876D	-	-	Secure Data	[RFC1701]
	8808			IEEE Std 802.3 - Ethernet Passive Optical Network (EPON)	[EPON][RFC7042]
	880B			Point-to-Point Protocol (PPP)	[RFC7042]
	880C			General Switch Management Protocol (GSMP)	[RFC7042]
	8847			MPLS	[RFC5332]
	8848			MPLS with upstream-assigned label	[RFC5332]
	8861			Multicast Channel Allocation Protocol (MCAP)	[RFC7042]
34915	8863	-	-	PPP over Ethernet (PPPoE) Discovery Stage	[RFC2516]
34916	8864	-	-	PPP over Ethernet (PPPoE) Session Stage	[RFC2516]

Ethertype (decimal)	Ethertype (hex)	Exp. Ethernet (decimal)	Exp. Ethernet (octal)	Description	References
34958	888E	-	-	IEEE Std 802.1X - Port-based network access control	[IEEE]
34984	88A8	-	-	IEEE Std 802.1Q - Service VLAN tag identifier (S-Tag)	[IEEE]
	8A96-8A97			Invisible Software	[Neil_Sembower]
34997	88B5	-	-	IEEE Std 802 - Local Experimental Ethertype	[IEEE]
34998	88B6	-	-	IEEE Std 802 - Local Experimental Ethertype	[IEEE]
34999	88B7	-	-	IEEE Std 802 - OUI Extended Ethertype	[IEEE]
35015	88C7	-	-	IEEE Std 802.11 - Pre-Authentication (802.11i)	[IEEE]
35020	88CC	-	-	IEEE Std 802.1AB - Link Layer Discovery Protocol (LLDP)	[IEEE]
35045	88E5	-	-	IEEE Std 802.1AE - Media Access Control Security	[IEEE]
35047	88E7	-	-	Provider Backbone Bridging Instance tag	[IEEE Std 802.1Q-2014]
35061	88F5	-	-	IEEE Std 802.1Q - Multiple VLAN Registration Protocol (MVRP)	[IEEE]
35062	88F6	-	-	IEEE Std 802.1Q - Multiple Multicast Registration Protocol (MMRP)	[IEEE]
35085	890D	-	-	IEEE Std 802.11 - Fast Roaming Remote Request (802.11r)	[IEEE]
35095	8917	-	-	IEEE Std 802.21 - Media Independent Handover Protocol	[IEEE]

Ethertype (decimal)	Ethertype (hex)	Exp. Ethernet (decimal)	Exp. Ethernet (octal)	Description	References
35113	8929	-	-	IEEE Std 802.1Qbe - Multiple I-SID Registration Protocol	[IEEE]
35131	893B	-	-	TRILL Fine Grained Labeling (FGL)	[RFC7172]
35136	8940	-	-	IEEE Std 802.1Qbg - ECP Protocol (also used in 802.1BR)	[IEEE]
35142	8946	-	-	TRILL RBridge Channel	[RFC7178]
35143	8947	-	-	GeoNetworking as defined in ETSI EN 302 636-4-1	[IEEE]
35151	894F	-	-	NSH (Network Service Header)	[RFC8300]
36864	9000	-	-	Loopback	[Neil_Sembower]
36865	9001	-	-	3Com(Bridge) XNS Sys Mgmt	[Neil_Sembower]
36866	9002	-	-	3Com(Bridge) TCP-IP Sys	[Neil_Sembower]
36867	9003	-	-	3Com(Bridge) loop detect	[Neil_Sembower]
41197	A0ED	-	-	LoWPAN encapsulation	[RFC7973]
47082	B7EA	-	-	The Ethertype will be used to identify a "Channel" in which control messages are encapsulated as payload of GRE packets. When a GRE packet tagged with the Ethertype is received, the payload will be handed to the network processor for processing.	[RFC8157]
65280	FF00	-	-	BBN VITAL-LanBridge cache	[Neil_Sembower]
	FF00-FF0F			ISC Bunker Ramo	[Neil_Sembower]
65535	FFFF	-	-	Reserved	[RFC1701]

ORGANIZATIONALLY UNIQUE IDENTIFIERS

Registration Procedure(s)

Not assigned by IANA. Per RFC 7042, updates to this registry are coordinated with the expert.

Expert(s)

Donald Eastlake (primary), Juan Carlos Zuniga (secondary)

Reference

[IEEE]

Note

Another list of Ethernet vendor address components is maintained by Michael A. Patton and is accessible at:

[http://www.cavebear.com/archive/cavebear/Ethernet/Ethernet.txt]

Available Formats

csv

Hex	Name	References
00000C	Cisco	
00000E	Fujitsu	
00000F	NeXT	
000010	Sytek	
00001D	Cabletron	
000020	DIAB (Data Intdustrier AB)	
000022	Visual Technology	
00002A	TRW	
000032	GPT Limited (reassigned from GEC Computers Ltd)	
00005A	S & Koch	
00005E	IANA	
000065	NetScout Systems, Inc.	[Ashwani_Singhal]
00006B	MIPS	
000077	Interphase Corporation	
00007A	Ardent	
000080	Cray Communications A/S	
000089	Cayman Systems Gatorbox	
000093	Proteon	
00009F	Ameristar Technology	
0000A2	Wellfleet	
0000A3	Network Application Technology	
0000A6	NetScout Systems, Inc. (internal assignment, not for products)	[Ashwani_Singhal]
0000A7	NCD X-terminals	
0000A9	Network Systems	
0000AA	Xerox Xerox machines	
0000B3	CIMLinc	
0000B7	Dove Fastnet	
0000BC	Allen-Bradley	
0000C0	Western Digital	
0000C5	Farallon phone net card	
0000C6	HP Intelligent Networks Operation (formerly Eon Systems)	
0000C8	Altos	
0000C9	Emulex Terminal Servers	
0000D0	Develcon	
0000D7	Dartmouth College (NED Router)	
0000D8	3Com? Novell? PS/2	
0000DD	Gould	
0000DE	Unigraph	
0000E2	Acer Counterpoint	
0000EF	Alantec	
0000FD	High Level Hardvare (Orion, UK)	

Hex	Name	References
000102	BBN BBN internal usage (not registered)	
0010D1	BlazeNet	
001700	Kabel	
0020AF	3COM ???	
0020C9	Victron	
002094	Cubix	
00802B	IMAC ???	
00802D	Xylogics, Inc. Annex terminal servers	
008037	Ericsson	[Ericsson Group, Telefonaktiebolaget, LM Ericsson Corp. 126 25 STOCKHOLM, SWEDEN, SWEDEN]
008064	Wyse Technology / Link Technologies	
00808C	NetScout Systems, Inc.	[Ashwani_Singhal]
0080C2	IEEE 802.1 Committee	
0080D3	Shiva	
00A03E	ATM Forum	
00AA00	Intel	
00DD00	Ungermann-Bass	
00DD01	Ungermann-Bass	
020701	Racal InterLan	
020406	BBN BBN internal usage (not registered)	
026086	Satelcom MegaPac (UK)	
02608C	3Com IBM PC; Imagen; Valid; Cisco	
02CF1F	CMC Masscomp; Silicon Graphics; Prime EXL	
080002	3Com (Formerly Bridge)	
080003	ACC (Advanced Computer Communications)	
080005	Symbolics Symbolics LISP machines	
080008	BBN	
080009	Hewlett-Packard	
08000A	Nestar Systems	
08000B	Unisys	
080011	Tektronix, Inc.	
080014	Excelan BBN Butterfly, Masscomp, Silicon Graphics	
080017	NSC	
08001A	Data General	
08001B	Data General	
08001E	Apollo	
080020	Sun Sun machines	
080022	NBI	
080025	CDC	
080026	Norsk Data (Nord)	
080027	PCS Computer Systems GmbH	
080028	TI Explorer	
08002B	DEC	
08002E	Metaphor	
08002F	Prime Computer Prime 50-Series LHC300	
080036	Intergraph CAE stations	
080037	Fuji-Xerox	
080038	Bull	
080039	Spider Systems	

Hex	Name	References
080041	DCA Digital Comm. Assoc.	
080045	???? (maybe Xylogics, but they claim not to know this number)	
080046	Sony	
080047	Sequent	
080049	Univation	
08004C	Encore	
08004E	BICC	
080056	Stanford University	
080058	??? DECsystem-20	
08005A	IBM	
080067	Comdesign	
080068	Ridge	
080069	Silicon Graphics	
08006E	Concurrent Masscomp	
080075	DDE (Danish Data Elektronik A/S)	
08007C	Vitalink TransLAN III	
080080	XIOS	
080086	Imagen/QMS	
080087	Xyplex terminal servers	
080089	Kinetics AppleTalk-Ethernet interface	
08008B	Pyramid	
08008D	XyVision XyVision machines	
080090	Retix Inc Bridges	
484453	HDS ???	
800010	AT&T	
AA0000	DEC obsolete	
AA0001	DEC obsolete	
AA0002	DEC obsolete	
AA0003	DEC Global physical address for some DEC machines	
AA0004	DEC Local logical address for systems running DECNET	

Logical Link Control (LLC) Numbers

Registration Procedure(s)

Not assigned by IANA. Per RFC 7042, updates to this registry are coordinated with the expert.

Expert(s)

Donald Eastlake (primary), Juan Carlos Zuniga (secondary)

Reference

[IEEE]

Note

There is also a public listing of LLC numbers on the IEEE Registration Authority web pages at [http://standards.ieee.org/develop/regauth].

The IEEE likes to describe numbers in binary in bit transmission order, which is the opposite of the big-endian order used throughout the Internet protocol documentation.

Available Formats

csv

Link Service Access Point (IEEE Binary)	Link Service Access Point (Internet Binary)	Link Service Access Point (Decimal)	Description	References
00000000	00000000	0	Null LSAP	[IEEE]
01000000	00000010	2	Indiv LLC Sublayer Mgt	[IEEE]
11000000	00000011	3	Group LLC Sublayer Mgt	[IEEE]
00100000	00000100	4	SNA Path Control	[IEEE]
01100000	00000110	6	Reserved (DOD IP)	[RFC768] [JBP]
01110000	00001110	14	PROWAY-LAN	[IEEE]
01110010	01001110	78	EIA-RS 511	[IEEE]
01111010	01011110	94	ISI IP	[JBP]
01110001	10001110	142	PROWAY-LAN	[IEEE]
01010101	10101010	170	SNAP	[IEEE]
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