

Group MAC address assignments for standards use

1. IEEE Std 802.1D and IEEE Std 802.1Q reserved addresses

Table 1 - IEEE Std 802.1D and IEEE Std 802.1Q reserved addresses

Group MAC address value	Organization using the value	Standard using the value	Notes
01-80-C2-00-00-00	IEEE 802	IEEE Std 802.1D, IEEE Std 802.1Q	IEEE Std 802.1D Bridge Group Address
01-80-C2-00-00-01	IEEE 802	“	IEEE MAC-specific control protocols
01-80-C2-00-00-02	IEEE 802	“	IEEE Std 802.3 Slow Protocols multicast address
01-80-C2-00-00-03	IEEE 802	“	IEEE Std 802.1X PAE address
01-80-C2-00-00-04	IEEE 802	“	IEEE MAC-specific control protocols
01-80-C2-00-00-05	IEEE 802	“	Reserved for media access method specific use
01-80-C2-00-00-06	IEEE 802	“	Reserved for future standardization
01-80-C2-00-00-07	IEEE 802	“	Reserved for future standardization
01-80-C2-00-00-08	IEEE 802	“	Provider Bridge group address
01-80-C2-00-00-09	IEEE 802	“	Reserved for future standardization
01-80-C2-00-00-0A	IEEE 802	“	Reserved for future standardization
01-80-C2-00-00-0B	IEEE 802	“	Reserved for future standardization
01-80-C2-00-00-0C	IEEE 802	“	Reserved for future standardization
01-80-C2-00-00-0D	IEEE 802	“	Provider Bridge MVRP address
01-80-C2-00-00-0E	IEEE 802	“	Std 802.1AB Link Layer Discovery Protocol address
01-80-C2-00-00-0F	IEEE 802	“	Reserved for future standardization

2. Standard group MAC addresses

Table 2 - Standard group MAC addresses

Group MAC address value	Organization using the value	Standard using the value	Notes
01-80-C2-00-00-10	IEEE 802	IEEE Std 802.1D	All LANs Bridge Management Group Address (deprecated)
01-80-C2-00-00-11	IEEE 802	IEEE Std 802.1E	Load Server Generic Address
01-80-C2-00-00-12	IEEE 802	IEEE Std 802.1E	Loadable Device Generic Address
01-80-C2-00-00-13	<i>unassigned</i>		
01-80-C2-00-00-14	ISO/IEC JTC1/SC6	ISO/IEC 10589	All Level 1 Intermediate Systems Address
01-80-C2-00-00-15	ISO/IEC JTC1/SC6	ISO/IEC 10589	All Level 2 Intermediate Systems Address
01-80-C2-00-00-16	ISO/IEC JTC1/SC6	ISO/IEC 10030	All CONS End Systems Address
01-80-C2-00-00-17	ISO/IEC JTC1/SC6	ISO/IEC 10030	All CONS SNARES Address
01-80-C2-00-00-18	IEEE 802	IEEE Std 802.1B	Generic Address for All Manager Stations
01-80-C2-00-00-19	<i>unassigned</i>		
01-80-C2-00-00-1A	IEEE 802	IEEE Std 802.1B	Generic Address for All Agent Stations
01-80-C2-00-00-1B	ISO/IEC JTC1/SC6	ISO/IEC 9542	All Multicast Capable End Systems Address
01-80-C2-00-00-1C	ISO/IEC JTC1/SC6	ISO/IEC 9542	All Multicast Announcements Address
01-80-C2-00-00-1D	ISO/IEC JTC1/SC6	ISO/IEC 9542	All Multicast Capable Intermediate Systems Address
01-80-C2-00-00-1E	ISO/IEC JTC1/SC6	ISO/IEC 8802-5	All DTR Concentrators MAC Group Address
01-80-C2-00-00-1F	<i>unassigned</i>		
01-80-C2-00-00-20 to 01-80-C2-00-00-2F	IEEE 802	IEEE Std 802.1Q	Reserved for use by Multiple Registration Protocol (MRP) applications
01-80-C2-00-00-30 to 01-80-C2-00-00-3F	IEEE 802	IEEE Std 802.1ag	Destination group MAC addresses for CCM and Linktrace messages
01-80-C2-00-00-40 to 01-80-C2-00-00-FF	<i>unassigned</i>		
01-80-C2-00-01-00	ISO/IEC JTC1/SC25	ISO/IEC 9314-6	Ring Management Directed Beacon Multicast Address
01-80-C2-00-01-01 to 01-80-C2-00-01-0F	ISO/IEC JTC1/SC25		Assigned to ISO/IEC JTC1/SC25 for future use
01-80-C2-00-01-10	ISO/IEC JTC1/SC25	ISO/IEC 9314-6	Status Report Frame Status Report Protocol Multicast Address
01-80-C2-00-01-11 to 01-80-C2-00-01-1F	ISO/IEC JTC1/SC25		Assigned to ISO/IEC JTC1/SC25 for future use
01-80-C2-00-01-20	ISO/IEC JTC1/SC25	ISO/IEC 9314-2	All FDDI Concentrator MACs
01-80-C2-00-01-21 to 01-80-C2-00-01-2F	ISO/IEC JTC1/SC25		Assigned to ISO/IEC JTC1/SC25 for future use
01-80-C2-00-01-30	ISO/IEC JTC1/SC25	ISO/IEC 9314-6	Synchronous Bandwidth Allocation Address
01-80-C2-00-01-31 to 01-80-C2-00-01-FF	ISO/IEC JTC1/SC25		Assigned to ISO/IEC JTC1/SC25 for future use
01-80-C2-00-02-00 to 01-80-C2-00-02-FF	ETSI		Assigned to ETSI for future use
01-80-C2-00-03-00 to 01-80-C2-FF-FF-FF	<i>unassigned</i>		

3. Group MAC addresses used in ISO 9542 ES-IS protocol

Table 3 - Group MAC addresses used in ISO 9542

Group MAC Address value	Organization using the Value	Standard using the value	Notes
09-00-2B-00-00-04	ISO/IEC JTC1/SC6	ISO 9542	All End System Network Entities Address
09-00-2B-00-00-05	ISO/IEC JTC1/SC6	ISO 9542	All Intermediate System Network Entities Address

4. Locally administered group MAC addresses used by IEEE Std 802.5
(IEEE Std 802.5 Functional Addresses)

Table 4 - Locally administered group MAC addresses used by IEEE Std 802.5

Group MAC Address value	Organization using the Value	Standard using the value	Notes
03-00-00-00-00-08	IEEE 802	IEEE Std 802.5	Configuration Report Server (CRS) MAC Group Address
03-00-00-00-00-10	IEEE 802	IEEE Std 802.5	Ring Error Monitor (REM) MAC Group Address
03-00-00-00-00-40	IEEE 802	IEEE Std 802.5	Ring Parameter Server (RPS) MAC Group Address
03-00-00-00-01-00	IEEE 802	ISO 9542	All Intermediate System Network Entities Address
03-00-00-00-02-00	ISO/IEC JTC1/SC6, and IEEE 802	ISO 9542, and IEEE Std 802.5	All End System Network Entities Address, and Lobe Media Test (LMT) MAC Group Address
03-00-00-00-04-00	IEEE 802	IEEE Std 802.1B	Generic Address for all Manager Stations
03-00-00-00-08-00	IEEE 802	ISO/IEC 10030	All CONs SNARES Address
03-00-00-00-10-00	IEEE 802	ISO/IEC 10030	All CONs End System Address
03-00-00-00-20-00	IEEE 802	IEEE Std 802.1E	Loadable Device Generic Address
03-00-00-00-40-00	IEEE 802	IEEE Std 802.1E	Load Server Generic Address
03-00-00-40-00-00	IEEE 802	IEEE Std 802.1B	Generic Address for all Agent Stations

Note:

Potential users of the addresses identified in Table 4 are warned that, since these addresses are derived from the locally administered address space, there are no guarantees that the addresses will be used only for the listed purposes.