Message	Has Destination ID	Has Event ID	Simple node message	Priority (0 highest)	Type	Simple / Priority / Type	Has Extended flags	Extended flags	Flags	Current Ethernet MTI	Extended flag byte	Proposed Ethernet MTI (MTI + flags)	CAN MTI (Top 17 bits of CAN header, ddd refers to destination address.)	CAN Data (Goes at start of CAN data, if present)	Description	Previous Ethernet MTI	Previous CAN MTI	Previous CAN Data
Bits	1	1	1	2	5	8 hex	1	2	4 hex	16 bits hex	8	16 bits hex	17 bits hex	8 hex		16 bits hex	17 bits hex	8 hex
Base Messages																		
Node number Allocate				0	0	00			7	1000		F000			Not available on CAN	3000		
No Filtering				0	1	01			7	1010		0017	18017		(Still under discussion)	3010	19017	
Initialization Complete				0	8	08			7	1080		0087	18087		Full Source Node ID	3080	19087	
Verify Node ID Number	Y			0	10	0A				10A4		10A0	1Eddd	0A		10A4	1Eddd	0A
Verify Node ID Number		Y		0	10	8A			7	18A0		08A7	188A7			10A0	180A7	
Verified Node ID Number			Y	0	11	8B			7	18B0		08B7	188B7		Full Source Node ID	10B0	180B7	
Optional Interaction Rejected	Y			0	12	0C				10C4		10C0	1Eddd	0C	MTI, error, optional information	10C4	1Eddd	0C
Terminate Due to Error	Y			0	13	0D				10D4		10D0	1Eddd	0D	MTI, error, optional information	10D4	1Eddd	0D
Protocol Support Messages																		
Protocol Support Inquiry	Y			1	14	2E				12E4		12E0	1Eddd	2E		12E4	1Eddd	2E
Protocol Support Reply	Y			1	15	2F				12F4		12F0	1Eddd	2F	Protocol flags	12F4	1Eddd	2F
Event Exchange Messages																		
Identify Consumer		Y	Y	1	4	A4			F	1A42		0A4F	18A4F		EventID (no room for DestID!)	1242	1824F	
Consumer Identify Range		Y		1	5	25			F	1252		025F	1825F		EventID w mask (no room for DestID!)	3252	1925F	
Consumer Identified		Y		1	6	26	Y	3	B	1263	3	026B	1826B		EventID (no room for DestID!)	3263	1926B	
Identify Producer		Y	Y	1	8	A8			F	1A82		0A8F	18A8F		EventID (no room for DestID!)	1282	1828F	
Producer Identify Range		Y		1	9	29			F	1292		029F	1829F		EventID w mask (no room for DestID!)	3292	1929F	
Producer Identified		Y		1	10	2A	Y	3	B	12A3	3	02AB	182AB		EventID (no room for DestID!)	32A3	192AB	
Identify Events	Y			1	11	2B				12B4		12B0	1Eddd	2B		12B4	1Eddd	2B
Identify Events			Y	1	11	AB			7	1AB0		0AB7	18AB7			12B0	182B7	
Learn Event		Y	Y	1	12	AC			F	1AC2		0ACF	18ACF		EventID	12C2	182CF	
Producer/Consumer Event Report		Y	Y	1	13	AD			F	1AD2		0ADF	18ADF		EventID	12D2	182DF	
Other Messages																		
Xpressnet				2	17	51			7	1510		0517	18517		Xpressnet packet	3510	19517	
Simple Node Ident Info Request	Y			2	18	52				1524		1520	1Eddd	52		1524	1Eddd	
Simple Node Ident Info Reply	Y			2	19	53				1534		1530	1Eddd	53		1534	1Eddd	
Datagram Messages																		
Short Datagram	Y			2	0	40				1404		1400	1Addd		Datagram protocol id, data			
Start of long Datagram	Y			2	0	40				1404		1400	1Bddd		Datagram protocol id, data			
Middle of long Datagram	Y			2	0	40							1Cddd		Data (0-8 bytes)			
End of long Datagram	Y			2	0	40							1Dddd		Data (0-8 bytes)	1404	1 C/D ddd	
Datagram Received OK	Y			2	12	4C				14C4		14C0	1Eddd	4C	MTI byte	14C4	1Eddd	4C
Datagram Rejected	Y			2	13	4D				14D4		14D0	1Eddd	4D	MTI byte, error code	14D4	1Eddd	4D
Stream Messages																		
Stream Initiate Request	Y			2	14	4E				14E4		14E0	1Eddd	4E	MTI byte, buffer size (2 bytes), Source Stream ID (1 byte), reserved byte, flags (tagged=0x80)	14E4	1Eddd	4E
Stream Initiate Reply	Y			2	15	4F				14F4		14F0	1Eddd	4F	MTI byte 0x4B,buffer size (2 bytes), Source Stream ID (1 byte), Dest Stream ID, flags (tagged=0x80; error info)	14F4	1Eddd	4F
Stream Data Send	Y			3	9	69				1694		1690	1Fddd		(stream IDs inferred on CAN; 8 bytes data	1694	1Fddd	
Stream Data Proceed	Y			3	10	6A				16A4		16A0	1Eddd	6A	MTI byte, Stream IDs (2 bytes)	16A4	1Eddd	6A
Stream Data Complete	Y			3	11	6B				16B4		16B0	1Eddd	6B	MTI byte, Stream IDs (2 bytes); optional length (4 bytes)	16B4	1Eddd	6B

Places these appear in code:
prototypes/C/libraries/OlcbTestCAN/obj/test
prototypes/C/libraries/OlcbCommonCAN/OpenLcbCan.h
prototypes/C/libraries/OpenLCB/OLCB_CAN_Buffer.cpp
prototypes/Arduino/libraries/OpenLCB/OpenLcbCan.h
prototypes/CBUS-PIC/canlib/frametypes.c
prototypes/ObjectiveC/OpenLcbLib/OlcbMtiDefinitions.h
prototypes/ObjectiveC/OpenLcbLib/OlcbTestDefinitions.h
prototypes/ObjectiveC/OpenLcbLib/MtiReformat.c
prototypes/java/src/org/openlcb/can/MessageBuilder.java