	Base Data for MTI								Full MTI (e.g. as used on Ethernet)	CAN MTI	CAN Data	
	Has Destination ID	Has Event ID	Simple node message	Priority (0 highest)	Type	Simple / Priority / Type	Extended flags	Flag & Expansion Nibble	MTI + flags	Top 17 bits of CAN header, ddd refers to destination address.	Goes at start of CAN data, if present	
Bits	1	1	1	2	5	8 hex	2	4 hex	16 bits hex	17 bits hex	8 hex	
Base Messages												
Node number Allocate				0	0	00		7	0000			Not available on CAN
No Filtering				0	1	01		7	2017	18017		(Still under discussion)
Initialization Complete				0	8	08		7	2087	18087		Full Source Node ID
Verify Node ID Number	Y			0	10	0A			30A0	1Eddd	0A	
Verify Node ID Number			Y	0	10	8A		7	28A7	188A7		
Verified Node ID Number			Y	0	11	8B		7	28B7	188B7		Full Source Node ID
Optional Interaction Rejected	Y			0	12	0C			30C0	1Eddd	0C	MTI, error, optional information
Terminate Due to Error	Y			0	13	0D			30D0	1Eddd	0D	MTI, error, optional information
Protocol Support Messages												
Protocol Support Inquiry	Y			1	14	2E			32E0	1Eddd	2E	
Protocol Support Reply	Y			1	15	2F			32F0	1Eddd	2F	Protocol flags
Event Exchange Messages												
Identify Consumer		Y	Y	1	4	A4		F	2A4F	18A4F		EventID
Consumer Identify Range		Y		1	5	25		F	225F	1825F		EventID w mask
Consumer Identified w validity unknown		Y		1	6	26	3	B	226B	1826B		EventID
Consumer Identified as currently valid		Y		1	6	26	0	8	2268	18268		EventID
Consumer Identified as currently invalid		Y		1	6	26	1	9	2269	18269		EventID
Consumer Identified (reserved)		Y		1	6	26	2	A	226A	1826A		EventID
Identify Producer		Y	Y	1	8	A8		F	2A8F	18A8F		EventID
Producer Identify Range		Y		1	9	29		F	229F	1829F		EventID w mask
Producer Identified w validity unknown		Y		1	10	2A	3	B	22AB	182AB		EventID
Producer Identified as currently valid		Y		1	10	2A	0	8	22A8	182A8		EventID
Producer Identified as currently invalid		Y		1	10	2A	1	9	22A9	182A9		EventID
Producer Identified (reserved)		Y		1	10	2A	2	A	22AA	182AA		EventID
Identify Events	Y			1	11	2B			32B0	1Eddd	2B	
Identify Events			Y	1	11	AB		7	2AB7	18AB7		
Learn Event		Y	Y	1	12	AC		F	2ACF	18ACF		EventID
Producer/Consumer Event Report		Y	Y	1	13	AD		F	2ADF	18ADF		EventID
Other Messages												
Xpressnet				2	17	51		7	2517	18517		Xpressnet packet
Simple Node Ident Info Request	Y			2	18	52			3520	1Eddd	52	
Simple Node Ident Info Reply	Y			2	19	53			3530	1Eddd	53	data bytes
Datagram Protocol												
Datagram Content (one frame)	Y			2	0	40			3400	1Addd		Datagram protocol id, data
Datagram Content (first frame)	Y			2	0	40			3400	1Bddd		Datagram protocol id, data
Datagram Content (middle frame)	Y			2	0	40				1Cddd		Data (0-8 bytes)
Datagram Content (last frame)	Y			2	0	40				1Dddd		Data (0-8 bytes)
Datagram Received OK	Y			2	12	4C			34C0	1Eddd	4C	MTI byte
Datagram Rejected	Y			2	13	4D			34D0	1Eddd	4D	MTI byte, error code
Stream Messages												
Stream Initiate Request	Y			2	14	4E			34E0	1Eddd	4E	MTI byte, buffer size (2 bytes), Source Stream ID (1 byte), reserved byte, flags (tagged=0x80)
Stream Initiate Reply	Y			2	15	4F			34F0	1Eddd	4F	MTI byte 0x4B,buffer size (2 bytes), Source Stream ID (1 byte), Dest Stream ID, flags (tagged=0x80; error info)
Stream Data Send	Y			3	9	69			3690	1Fddd		(stream IDs inferred on CAN); 8 bytes data
Stream Data Proceed	Y			3	10	6A			36A0	1Eddd	6A	MTI byte, Stream IDs (2 bytes)
Stream Data Complete	Y			3	11	6B			36B0	1Eddd	6B	MTI byte, Stream IDs (2 bytes); optional length (4 bytes)

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