	Base Data for MTI									Ethernet MTI			CAN MTI	CAN Data	
	Destination ID	Event ID	Flag A	Flag B	Flag C	Flag D	Priority Group	Type	Flag D/Priority/Type	Byte 1	Byte 2	Byte 3	Top 17 bits of CAN header, ddd refers to destination address.	Goes at start of CAN data, if present	
Bits	1	1	1	1	1	1	2	5	8 hex	8 hex	8 hex	8 hex	17 bits hex	8 hex	
Base Messages															
Node number Allocate						0	0	0	00	30	00				Not available on CAN
No Filtering						0	0	1	01	30	10		18017		(Still under discussion)
Initialization Complete						0	0	8	08	30	80		18087		Full Source Node ID
Verify Node ID Number	Y					0	0	10	0A	10	A4		1Eddd	0A	
Verify Node ID Number						0	0	10	0A	30	A0		180A7		
Verified Node ID Number						0	0	11	0B	30	B0		180B7		Full Source Node ID
Optional Interaction Rejected	Y					0	0	12	0C	10	C4		1Eddd	0C	MTI, error, optional information
Terminate Due to Error	Y					0	0	13	0D	10	D4		1Eddd	0D	MTI, error, optional information
Protocol Support Messages															
Protocol Support Inquiry	Y					0	1	14	2E	12	E4		1Eddd	2E	
Protocol Support Reply	Y					0	1	15	2F	12	F4		1Eddd	2F	Protocol flags
Event Exchange Messages															
Identify Consumer		Y				0	1	4	24	32	42		1824F		EventID (no room for DestID!)
Consumer Identify Range		Y				0	1	5	25	32	52		1825F		EventID w mask (no room for DestID!)
Consumer Identified		Y	Y	1	1	0	1	6	26	32	63	03	1826B		EventID (no room for DestID!)
Identify Producer		Y				0	1	8	28	32	82		1828F		EventID (no room for DestID!)
Producer Identify Range		Y				0	1	9	29	32	92		1829F		EventID w mask (no room for DestID!)
Producer Identified		Y	Y	1	1	0	1	10	2A	32	A3	03	182AB		EventID (no room for DestID!)
Identify Events	Y					0	1	11	2B	12	B4		1Eddd	2B	
Identify Events						0	1	11	2B	32	B0		182B7		
Learn Event		Y				0	1	12	2C	32	C2		182CF		EventID
Producer/Consumer Event Report		Y				0	1	13	2D	32	D2		182DF		EventID
Other Messages															
Xpressnet						0	2	17	51	35	10		18517		Xpressnet packet
Simple Node Ident Info Request	Y					0	2	18	52	15	24		1Eddd	52	
Simple Node Ident Info Reply	Y					0	2	19	53	15	34		1Eddd	53	
Datagram Messages															
Datagram (General)	Y					0	2	0	40	14	04		1 B/C/D ddd		Data (0-8 bytes) (1D in MTI is end of datagram)
Datagram Received OK	Y					0	2	12	4C	14	C4		1Eddd	4C	MTI byte
Datagram Rejected	Y					0	2	13	4D	14	D4		1Eddd	4D	MTI byte, error code
Stream Messages															
Stream Initiate Request	Y					0	2	14	4E	14	E4		1Eddd	4E	MTI byte, buffer size (2 bytes), Source Stream ID (1 byte), reserved byte, flags (tagged=0x80)
Stream Initiate Reply	Y					0	2	15	4F	14	F4		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					0	3	9	69	16	94		1Eddd		(stream IDs inferred on CAN); 8 bytes data
Stream Data Proceed	Y					0	3	10	6A	16	A4		1Eddd	6A	MTI byte, Stream IDs (2 bytes)
Stream Data Complete	Y					0	3	11	6B	16	B4		1Eddd	6B	MTI byte, Stream IDs (2 bytes); optional length (4 bytes)
		Y means carries flags in CAN header					0 gets more priority								

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