	Base Data for MTI							Ethernet MTI	CAN MTI CAN Data			Previous Previous Ethernet MTI CAN MTI		Previous CAN Data
	Destination ID	Event ID	CAN flags in header?	Simple node message	Priority Group	Type	Priority/Type		Top 17 bits of CAN header, ddd refers to destination address.	Goes at start of CAN data, if present				
Bits	1	1	1	1	2	5	8 hex	16 bits hex	17 bits hex	8 hex		16 bits hex	17 bits hex	8 hex
Base Messages Node number Allocate No Filtering Initialization Complete Verify Node ID Number Verifix Node ID Number Verified Node ID Number Optional Interaction Rejected Terminate Due to Error	Y Y Y			Y Y	0 0 0 0 0 0	0 1 8 10 10 11 12 13	00 01 08 0A 0A 0B 0C	1000 1010 1080 10A4 18A0 18B0 10C4 10D4	18017 18087 1Eddd 188A7 188B7 1Eddd 1Eddd	OA OC OD	Not available on CAN (Still under discussion) Full Source Node ID Full Source Node ID MTI, error, optional information MTI, error, optional information	3000 3010 3080 10A4 10A0 10B0 10C4 10D4	19017 19087 1Eddd 180A7 180B7 1Eddd 1Eddd	OA OC OD
Protocol Support Messages Protocol Support Inquiry Protocol Support Reply	Y Y				1	14 15	2E 2F	12E4 12F4	1Eddd 1Eddd	2E 2F	Protocol flags	12E4 12F4	1Eddd 1Eddd	2E 2F
Event Exchange Messages Identify Consumer Consumer Identify Range Consumer Identify Range Identify Producer Producer Identify Range Producer Identify Range Producer Identified Identify Events Identify Events Learn Event Producer/Consumer Event Report	Y	Y Y Y Y Y	Y Y	Y Y Y Y	1 1 1 1 1 1 1 1 1	4 5 6 8 9 10 11 11 12 13	24 25 26 28 29 2A 2B 2B 2C 2D	1A42 1252 1263 1A82 1292 12A3 12B4 1AB0 1AC2 1AD2	18A4F 1825F 1826B 18A8F 1829F 1822AB 1Eddd 18AB7 18ACF 18ADF	2B	EventID (no room for DestID!) EventID w mask (no room for DestID!) EventID mask (no room for DestID!) EventID (no room for DestID!)	1242 3252 3263 1282 3292 32A3 12B4 12B0 12C2 12D2	1824F 1925F 1926B 1828F 1929F 192AB 1Eddd 182B7 182CF 182DF	2B
Other Messages Xpressnet					2	17	51	1510	18517		Xpressnet packet	3510	19517	
Simple Node Ident Info Request Simple Node Ident Info Reply	Y Y				2	18 19	52 53	1524 1534	1Eddd 1Eddd	52 53		1524 1534	1Eddd 1Eddd	
Datagram Messages Datagram (General) Datagram Received OK Datagram Rejected	Y Y Y				2 2 2	0 12 13	40 4C 4D	1404 14C4 14D4	1 A/B/C/D ddd 1Eddd 1Eddd	4C 4D	Data (0-8 bytes) (1D in MTI is end of datagram) MTI byte MTI byte, error code	1404 14C4 14D4	1 C/D ddd 1Eddd 1Eddd	4C 4D
Stream Messages Stream Initiate Request	Υ				2	14	4E	14E4	1Eddd	4E	MTI byte, buffer size (2 bytes), Source Stream ID (1 byte), reserved byte, flags (fagged=0x80)	14E4	1Eddd	4E
Stream Initiate Reply	Υ				2	15	4F	14F4	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 Stream Data Proceed Stream Data Complete	Y Y Y				3 3 3	9 10 11	69 6A 6B	1694 16A4 16B4	1Fddd 1Eddd 1Eddd	6A 6B	(stream IDs inferred on CAN); 8 bytes data MTI byte, Stream IDs (2 bytes) MTI byte, Stream IDs (2 bytes); optional length (4 bytes)	1694 16A4 16B4	1Fddd 1Eddd 1Eddd	6A 6B
			Y mear carries flags ir AN hea	s 1	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

 $prototypes/ObjectiveC/OpenLcbLib/OlcbMtiDefinitions.h\\ prototypes/ObjectiveC/OpenLcbLib/OlcbTestDefinitions.h\\ prototypes/ObjectiveC/OpenLcbLib/MtiReformat.c\\$

prototypes/java/src/org/openlcb/can/MessageBuilder.java

prototypes/Arduino/libraries/OpenLCB/OpenLcbCan.h prototypes/CBUS-PIC/canlib/frametypes.c