

	Base Data for MTI							Ethernet MTI	CAN MTI	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
Base Messages										
Node number Allocate					0	0	00	3000		Not available on CAN (Still under discussion)
No Filtering					0	1	01	3010	19017	
Initialization Complete					0	8	08	3080	19087	Full Source Node ID
Verify Node ID Number	Y				0	10	0A	10A4	1Eddd	0A
Verify Node ID Number				Y	0	10	0A	10A0	180A7	
Verified Node ID Number				Y	0	11	0B	10B0	180B7	Full Source Node ID
Optional Interaction Rejected	Y				0	12	0C	10C4	1Eddd	0C
Terminate Due to Error	Y				0	13	0D	10D4	1Eddd	0D
Protocol Support Messages										
Protocol Support Inquiry	Y				1	14	2E	12E4	1Eddd	2E
Protocol Support Reply	Y				1	15	2F	12F4	1Eddd	2F
Event Exchange Messages										
Identify Consumer		Y		Y	1	4	24	1242	1824F	EventID (no room for DestID!)
Consumer Identify Range		Y			1	5	25	3252	1925F	EventID w mask (no room for DestID!)
Consumer Identified		Y	Y		1	6	26	3263	1926B	EventID (no room for DestID!)
Identify Producer		Y		Y	1	8	28	1282	1828F	EventID (no room for DestID!)
Producer Identify Range		Y			1	9	29	3292	1929F	EventID w mask (no room for DestID!)
Producer Identified		Y	Y		1	10	2A	32A3	192AB	EventID (no room for DestID!)
Identify Events	Y				1	11	2B	12B4	1Eddd	2B
Identify Events				Y	1	11	2B	12B0	182B7	
Learn Event		Y		Y	1	12	2C	12C2	182CF	EventID
Producer/Consumer Event Report		Y		Y	1	13	2D	12D2	182DF	EventID
Other Messages										
Xpressnet					2	17	51	3510	19517	Xpressnet packet
Simple Node Ident Info Request					2	18	52	3520	19527	52
Simple Node Ident Info Reply					2	19	53	3530	19537	53
Datagram Messages										
Datagram (General)	Y				2	0	40	1404	1 C/D ddd	Data (0-8 bytes) (1D in MTI is end of datagram)
Datagram Received OK	Y				2	12	4C	14C4	1Eddd	4C
Datagram Rejected	Y				2	13	4D	14D4	1Eddd	4D
Stream Messages										
Stream Initiate Request	Y				2	14	4E	14E4	1Eddd	4E
Stream Initiate Reply	Y				2	15	4F	14F4	1Eddd	4F
Stream Data Send	Y				3	9	69	1694	1Fddd	(stream IDs inferred on CAN); 8 bytes data
Stream Data Proceed	Y				3	10	6A	16A4	1Eddd	6A
Stream Data Complete	Y				3	11	6B	16B4	1Eddd	6B

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