	Daga 5	Data for I	at i							Ethernet MTI	CAN MTI C	AN Data	
	Dase L	Jata for i	VI I I							Ethernet Will		AN Data	
Bits	L Has Destination ID	L Has Event ID	1 Flag A	Flag B	1 Flag C	1 Flag D	7 Priority Group	2 Type	8 Flag D/Priority/Type	16 hex	Top 17 bits of CAN strip header, did refers to address.	8 Goes at start of CAN we data, if present	
Base Messages Node number Allocate No Filtering Initialization Complete Verify Node ID Number Verify Node ID Number Verified Node ID Number Optional Interaction Rejected Terminate Due to Error	Y Y Y		1 1 1	1 1 1	1 1 1	0 0 0 0 0 0	0 0 0 0 0 0	0 1 8 10 10 11 12 13	00 01 08 0A 0A 0B 0C 0D	2000 0017 0087 10A4 00A7 00B7 10C4 10D4	18017 18087 1Eddd 180A7 180B7 1Eddd 1Eddd	0A 0C 0D	Ethernet Only (Still under discussion) Full Source Node ID Full Source Node ID MTI, error, optional information MTI, error, optional information
Protocol Support Messages Protocol Support Inquiry Protocol Support Reply	Y Y					0	1	14 15	2E 2F	12E4 12F4	1Eddd 1Eddd	2E 2F	Protocol flags
Event Exchange Messages Identify Consumer Consumer Identify Range Consumer Identified Identify Producer Producer Identifiy Range Producer Identified Identify Events Identify Events Identify Events Learn Event Producer/Consumer Event Report	Y	Y Y Y Y Y	1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1 1	0 0 0 0 0 0	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	024F 025F 026F 028F 029F 02AF 12B4 02B7 02CF 02DF	1824F 1825F 1826F 1828F 1829F 1829F 182AF 1Eddd 182B7 182CF 182CF	2B	EventID (no room for DestID!) EventID w mask (no room for DestID!) EventID (no room for DestID!) EventID (no room for DestID!) EventID w mask (no room for DestID!) EventID (no room for DestID!) EventID EventID
Other Messages Xpressnet			1	1	1	0	2	17	51	0517	18517		Xpressnet packet
Simple Node Ident Info Request Simple Node Ident Info Reply	Y Y					0	2 2	18 19	52 53	1524 1534	1Eddd 1Eddd	52 53	
Datagram Messages Datagram (General) Datagram Received OK Datagram Rejected	Y Y Y					0 0 0	2 2 2	0 12 13	40 4C 4D	1404 14C4 14D4	1 B/C/D/E ddd 1Eddd 1Eddd	4C 4D	Data (0-8 bytes) (1D in MTI is end of datagram) MTI byte MTI byte, error code
Stream Messages Stream Initiate Request	Υ					0	2	14	4E	14E4	1Eddd	4E	MTI byte, buffer size (2 bytes), Source Stream ID (1 byte), reserved byte, flags (tagged=0x80)
Stream Initiate Reply	Υ					0	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)
Stream Data Send Stream Data Proceed Stream Data Complete	Y Y Y					0 0 0	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)
CAN Unaddressed message CAN priority Control Type Spare flag D priority	Bits 1 4 1 2	Value 1 8 0 0-3	0 get m	ore priori	ity over C	CAN	Places t	these ap	pear in cod		ries/OlcbTestCAN/o ries/OlcbCommonC. ries/OpenLCB/OLCI	AN/OpenL	
type Has Event ID Spare Flag A Spare Flag B Spare Flag C	5 1 1 1	0-31 0-1 1 1								prototypes/ObjectiveC/OpenLcbLib/OlcbMtiDefinitions.h prototypes/ObjectiveC/OpenLcbLib/OlcbTestDefinitions.h prototypes/ObjectiveC/OpenLcbLib/MtiReformat.c prototypes/java/src/org/openlcb/can/MessageBuilder.java			
Data length Ethernet unaddressed msg	DLC Bits	0-8 Value								prototypes/Arduine	o/libraries/OpenLCE PIC/canlib/frametyp	3/OpenLcb	
Length Protocol Group Has destination id Spare flag D priority type Has Event ID Spare Flag A Spare Flag B Spare Flag C Ethernet addressed msg Length	8 3 1 1 2 5 1 1 1 1 1 8	9-17 0 0 0 0-3 0-31 0-1 1 1 1 Value 15-79								2 1			
Protocol Group Has destination id Protocol ID Not used *	3 1 8 4	1 1 0-255 4											

^{*} These bits can't be used for messages that need to be sent over CAN