

This is for reference only, and the definitive definitions are in the Standards

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CAN Message Types					
Title	R	R	Type	Variable Part (binary)	Source-alias (hex)
Reserved	1	1	0	0bxxxx xxxx xxxx	sss
Global	1	1	1	0bmmmm mmmm 0 mmm	sss
Addressed	1	1	1	0bmmmm mmmm 1 mmm	sss
Datagram Only	1	1	2	0bdddd dddd dddd	sss
Datagram First	1	1	3	0bdddd dddd dddd	sss
Datagram Middle	1	1	4	0bdddd dddd dddd	sss
Datagram Last	1	1	5	0bdddd dddd dddd	sss
Reserved	1	1	6	0bxxxx xxxx xxxx	sss
Stream	1	1	7	0bdddd dddd dddd	sss

OpenLCB MTI Definitions

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4	Simple protocol – (unaddressed) messages to be received by 'simple' nodes.
3	Address present – this message has an address.
2	Event present – this message has an event#.
0-1	Modifier within modifier type – message specific extra information

KEY	r, R – reserved
	s, sss, ssss ssss ssss – source alias
	d, ddd, dddd dddd dddd – destination alias
	x, xxx, xxxx xxxx xxxx – undefined field

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General				CAN		
		Full MTI (Hex)	Data		CAN Header (hex)	Data-Part { } = optional
Number of bits in field:		16	many		29	64
Basic	Initialization Complete	0100	Source	Initialization Complete	[19100sss]	Full Source Node ID
	Verify Node ID Number Addressed	0488	Destination, Source	Verify Node ID Number Addressed	[19488sss]	fddd
	Verify Node ID Number Global	0490	Source	Verify Node ID Number Global	[19490sss]	
	Verified Node ID Number	0170	Source	Verified Node ID Number	[19170sss]	{Full Source Node ID}
	Optional Interaction Rejected	0068	Destination, Source, error, optional	Optional Interaction Rejected	[19068sss]	fddd, error, optional info
	Terminate Due to Error	00A8	Destination, Source, error, optional	Terminate Due to Error	[190A8sss]	fddd, error, optional info
Protocol Support	Protocol Support Inquiry	0828	Destination, Source	Protocol Support Inquiry	[19828sss]	fddd
	Protocol Support Reply	0668	Destination, Source, Protocol flags	Protocol Support Reply	[19668sss]	fddd, Protocol flags
Event Exchange	Identify Consumer	08F4	EventID, Source	Identify Consumer	[198F4sss]	EventID
	Consumer Identify Range	04A4	EventID with Mask, Source	Consumer Identify Range	[194A4sss]	EventID with mask
	Consumer Identified w validity unknown	04C7	EventID, Source	Consumer Identified w validity unknown	[194C7sss]	EventID
	Consumer Identified as currently valid	04C4	EventID, Source	Consumer Identified as currently valid	[194C4sss]	EventID
	Consumer Identified as currently invalid	04C5	EventID, Source	Consumer Identified as currently invalid	[194C5sss]	EventID
	Consumer Identified (reserved)	04C6	EventID, Source	Consumer Identified (reserved)	[194C6sss]	EventID
	Identify Producer	0914	EventID, Source	Identify Producer	[19914sss]	EventID
	Producer Identify Range	0524	EventID with Mask, Source	Producer Identify Range	[19524sss]	EventID with mask
	Producer Identified w validity unknown	0547	EventID, Source	Producer Identified w validity unknown	[19547sss]	EventID
	Producer Identified as currently valid	0544	EventID, Source	Producer Identified as currently valid	[19544sss]	EventID
	Producer Identified as currently invalid	0545	EventID, Source	Producer Identified as currently invalid	[19545sss]	EventID
	Producer Identified (reserved)	0546	EventID, Source	Producer Identified (reserved)	[19546sss]	EventID
	Identify Events Addressed	0968	Destination, Source	Identify Events Addressed	[19968sss]	fddd
	Identify Events Global	0970	Source	Identify Events Global	[19970sss]	
	Learn Event	0594	EventID, Source	Learn Event	[19594sss]	EventID
	Producer/Consumer Event Report	05B4	EventID, Source	Producer/Consumer Event Report	[195B4sss]	EventID
Other	Xpressnet	0820	Source, Xpressnet packet	Xpressnet	[19820sss]	Xpressnet packet
Ident	Simple Node Ident Info Request	0DE8	Destination, Source	Simple Node Ident Info Request	[19DE8sss]	fddd
	Simple Node Ident Info Reply	0A08	Destination, Source, Data bytes	Simple Node Ident Info Reply	[19A08sss]	fddd, data bytes
Datagram	Datagram Content	1C48	Destination, Source, Data bytes	CAN-Datagram Content (one frame)	[1Adddsss]	Data (0-8 bytes)
				CAN-Datagram Content (first frame)	[1Bdddsss]	Data (0-8 bytes)
				CAN-Datagram Content (middle frame)	[1Cdddsss]	Data (0-8 bytes)
				CAN-Datagram Content (last frame)	[1Ddddsss]	Data (0-8 bytes)
	Datagram Received OK	0A28	Destination, Source	Datagram Received OK	[19A28sss]	fddd
	Datagram Rejected	0A48	Destination, Source, Error code	Datagram Rejected	[19A48sss]	fddd, error code
Stream	Stream Initiate Request	0CC8	Destination, Source, Buffer size	Stream Initiate Request	[19CC8sss]	fddd, buffer size, srcSID
	Stream Initiate Reply	0868	Destination, Source, Buffer size	Stream Initiate Reply	[19868sss]	fddd, buffer size, srcSID
	Stream Data Send	1F88	Destination, Source, Data bytes	Stream Data Send	[1Fdddsss]	Data (0-8 bytes)
	Stream Data Proceed	0888	Destination, Source, ID	Stream Data Proceed	[19888sss]	fddd, srcSID, dstSID
	Stream Data Complete	08A8	Destination, Source, ID, {len}	Stream Data Complete	[198A8sss]	fddd, srcSID, dstSID, { len }
Extra	Node number Allocate	2000	Source			
	No Filtering	2020	Source			