	reference only, and the definitive of 2015-02-08 23:43					Full MTI For	mat							CAN			
						6 7 8 9 10 9 8 7 6 5							23 22 21 20 19 18 17 16 15 14 13 12 5 6 7 8 9 10 11 12 13 14 15 16				
	Number of bits in field:	Reserved	Reserved	Special Stream or Datagram	Priority			Event# present	Modifier within Priority/Type		iority	CAN Frame Type	CAN-MTI or Destination-alias ("Variable Part") (hex)	Source-alias		AN Header (hex) 29	Data-Part {} = optional 64
	Initialization Complete			0 0		8	0 0			0100			100	SSS		[19100sss]	Full Source Node ID
	Initialization Complete (Simple)		-	0 0	_	8	0 0		1	0101		_	101	SSS		[19100sss]	Full Source Node ID
	Verify Node ID Number Addressed			0 0		4	1 1	_		0498			498	SSS		[19498sss]	fddd {Full Node ID}
Basic	Verify Node ID Number Global Verified Node ID Number			0 0		11	1 0			0490			490 170	SSS		[19490sss] [19170sss]	{Full Node ID} {Full Source Node ID}
	Verified Node ID Number (Simple)	_		0 0		11	1 0		1	0170			171	SSS		[19170sss]	{Full Source Node ID}
	Optional Interaction Rejected			0 0		3	0 1		•	0068			068	SSS		[19068sss]	fddd, error, optional info
	Terminate Due to Error	==		0 0		5	0 1	0		00A8			0A8	SSS] [190A8sss]	fddd, error, optional info
otocol	Protocol Support Inquiry	_	-	0 0		1	0 1			0828			828	SSS		[19828sss]	fddd
upport	Protocol Support Reply			0 0		19	0 1	_		0668 08F4			668 8F4	SSS		[19668sss]	fddd, Protocol flags EventID
	Identify Consumer Consumer Range Identified			0 0		7 5	0 0			04A4			8F4 4A4	SSS SSS		198F4sss] 194A4sss]	EventID with mask
	Consumer Identified w validity unknown		-	0 0		6	0 0		3	04C7			4C7	SSS		194C7sss]	EventID
	Consumer Identified as currently valid		-	0 0	_	6	0 0	1	0	04C4	1 1	1 1	4C4	sss		194C4sss]	EventID
	Consumer Identified as currently invalid			0 0		6	0 0	_		04C5			4C5	SSS		194C5sss]	EventID
	Consumer Identified (reserved)			0 0	_	6	0 0		2	04C6			4C6	SSS		194C6sss]	EventID EventID
Event	Identify Producer Producer Range Identified		-	0 0		8	0 0			0524			914 524	SSS		[19914sss] [19524sss]	EventID with mask
change	Producer Identified w validity unknown	_		0 0		10	0 0	_	3	0547			547	SSS		[19547sss]	EventID
	Producer Identified as currently valid	0	0	0 0	1	10	0 0	1	0	0544	1 1	1 1	544	SSS		[19544sss]	EventID
	Producer Identified as currently invalid	_	-	0 0	_	10	0 0			0545			545	SSS		[19545sss]	EventID
	Producer Identified (reserved)	_	-	0 0		10	0 0		2	0546			546	SSS		[19546sss]	EventID
	Identify Events Addressed Identify Events Global	⊣⊢—		0 0		11	0 1			0968			968 970	SSS		[19968sss] [19970sss]	fddd
	Learn Event			0 0	_	12	1 0			0594			594	SSS			EventID
	Producer/Consumer Event Report		-	0 0	_	13	1 0			05B4			5B4	SSS		195B4sss]	
	Traction Control Command		_	0 0		15	1 1	0	2	05FA			5FA	SSS			fddd, data bytes
Traction	Traction Proxy Command	_		0 0	_	15	1 1			01FA			1FA	SSS		191FAsss]	fddd, data bytes
ontrol	Traction Control Reply Traction Proxy Reply	_		0 0		15 15	1 1	_		05F8 01F8			5F8 1F8	SSS		195F8sss] 191F8sss]	fddd, data bytes fddd, data bytes
Other	Xpressnet		-	0 0		1	0 0			0820			820	SSS		[19820sss]	Xpressnet packet
emote	Remote Button Request	==	+ +	0 0	_	10	0 1			0948			948	SSS		[19948sss]	fddd, data bytes
Button	Remote Button Reply			0 0		10	0 1	0	1	0949		1 1	949	SSS		[19949sss]	fddd, data bytes
raction	Simple Train Node Ident Info Request	_	-	0 0		13				0DA8			DA8	SSS		19DA8sss]	fddd
Ident	Simple Train Node Ident Info Reply			0 0		14	0 1	0		0908			9C8	SSS		199C8sss]	fddd, data bytes
de Ident	Simple Node Ident Info Request Simple Node Ident Info Reply	-		0 0	_	15 16				0DE8		_	DE8 A08	SSS		19DE8sss] 19A08sss]	fddd fddd, data bytes
	Datagram			0 1		2	0 1			1C48			Ade	350		10/100000]	ildud, data bytes
	CAN-Datagram Content (one frame)			_		"					1 1	1 2	ddd	SSS] [1Adddsss]	Data (0-8 bytes)
	→ CAN-Datagram Content (first frame)					ш					1 1	_	ddd	SSS		1Bdddsss]	Data (0-8 bytes)
atagram	CAN-Datagram Content (middle frame	1				"					1 1	_	ddd	SSS		1Cdddsss]	Data (0-8 bytes)
	CAN-Datagram Content (last frame) Datagram Received OK	0	0	0 0	2	17	0 1	10		0A28	1 1	_	ddd A28	SSS		1Ddddsss] 19A28sss]	Data (0-8 bytes)
	Datagram Rejected			0 0		18	0 1			0A28			A48	SSS		19A28sss]	fddd, error code
	Stream Initiate Request	===	+ +	0 0		6	0 1	_		0008	= ==		CC8	SSS		19CC8sss]	fddd, buffer size, srcSID
	Stream Initiate Reply	0	0	0 0	2	3	0 1	0		0868	1 1	1 1	868	SSS	Ī	[19868sss]	fddd, buffer size, srcSID
Stream	Stream Data Send	_	0		3	28	-	0		1F88			ddd	SSS		1Fdddsss]	Data (0-8 bytes)
	Stream Data Proceed	┥	_	0 0		4	0 1	0		0888			888	SSS		[19888sss]	fddd, srcSID, dstSID
Extra	Stream Data Complete Node number Allocate			0 0		5	0 0	0		08A8			8A8 000	SSS SSS			fddd, srcSID, dstSID, { le
LALIA	No Filtering	_		1 0		1	0 0			2020			020	555		19020sss] /	(Still under discussion)
	Reserved for MTI Expansion				0	0				0000							
	Reserved for MTI Expansion/Hold-off				0	0			1	0001	1 1	1	001	SSS] [19001sss	
eserved	Reserved for MTI Expansion			+	1	0									+		
	Reserved for MTI Expansion Reserved for MTI Expansion			+	3	0					+				$+\!\!\!+\!\!\!-$		
	reserved for WITT Expansion					0										=	
I D -4		٦ '								7	<i>→</i>			f = Flags		Frame	
	agrams need to be fragmented and d into multiple CAN frames.				7	- 4				\				r r 0 0		Only	
	*					/							umns means that it is	r r 0 1		First	
	Priority Classes			_^						identi	cal to ar	nother value	e, and should be checked.	r r 1 0	,	Last	
	Description			Pı	riority									r r 1 1 1		Middle	
	Initialization; Error handling Event transfer; Operation responses			+	1			C: /	N Ma	ssano	Types			r = Send 0,	, aon't	cneck.	
	Operation requests; Bulk data transfer res	יחמפ	nses	+	2		-	Tit		JJaye	B E	R Type	Variable Part (binary)	Source-alias (hex)	7		
	Bulk data transfer requests	الام			3	₩			eserved	<u> </u>	1 1		Obxxxx xxxx xxxx	SSS	1		
							_	-	obal		1 1	1 1	0bmmmm mmmm 0 mmm	SSS]		
Descrip								-	ldresse		1 1		0bmmmm mmmm 1 mmm	SSS	_		
	Description								tagram		1 1		Obdddd dddd	SSS	4		
14-15 13	Reserved Special – Operationally special								atagram atagram	n First n Middle	1 1 1		Obdddd dddd dddd Obdddd dddd dddd	SSS	-		
12	Stream or Datagram – used by Gateways	as i	ndic	ation	to fragr	nent.			itagram itagram		1 1 1		Obdddd dddd dddd	SSS	-		
10-11	Priority – indicates gross priority of messa			J. 1011	.c .rugi				eserved		1 1		Obxxxx xxxx xxxx	SSS	1		
5-9	Type within priority								ream		1 1		Obdddd dddd dddd	SSS	_		
	Simple protocol – (unaddressed) message	es to	be i	receiv	ved by '	simple' nodes.					r, R -	- reserved			-		
4										ll l							
3 2	Address present – this message has an arevent present – this message has an every present – this message has a new present – this me	ddre	ess.							KE'	Y —		s ssss – source alias dd dddd – destination alias				

OpenLCB MTI Definitions
This is for reference only, and the definitive definitions are in the Standards
2015-02-08 23:43

	Ger	neral		С	CAN				
		Full MTI (Hex)	Data		CAN Header (hex)	Data-Part { } = optional			
	Number of bits in field:	16	many		29	64			
	Initialization Complete	0100	Source	Initialization Complete	[19100sss]	Full Source Node ID			
	Verify Node ID Number Addressed		Destination, Source	Verify Node ID Number Addressed	[19498sss]	fddd {Full Node ID}			
	Verify Node ID Number Global	0490	Source Source	Verify Node ID Number Global	[19490sss]	lada (i ali Node ib)			
Basic	Verified Node ID Number	0171	Source	Verified Node ID Number	[19171sss]	{Full Source Node ID}			
	Optional Interaction Rejected	0068	Destination, Source, error, optional		[19068sss]	fddd, error, optional info			
	Terminate Due to Error		Destination, Source, error, optional		[190A8sss]	fddd, error, optional info			
Protocol	Protocol Support Inquiry		·	Protocol Support Inquiry	[19828sss]	fddd			
Support	Protocol Support Reply		Destination, Source, Protocol flags		[19668sss]	fddd, Protocol flags			
	Identify Consumer	08F4	EventID, Source	Identify Consumer	[198F4sss]	EventID			
	Consumer Identify Range		EventID with Mask, Source	Consumer Identify Range	[194A4sss]	EventID with mask			
	Consumer Identified w validity unknown		,	Consumer Identified w validity unknown	[194C7sss]	EventID			
	Consumer Identified as currently valid		EventID, Source	Consumer Identified as currently valid	[194C4sss]	EventID			
	Consumer Identified as currently invalid		EventID, Source	Consumer Identified as currently invalid	[194C5sss]	EventID			
	Consumer Identified (reserved)		EventID, Source	Consumer Identified (reserved)	[194C6sss]	EventID			
	Identify Producer		EventID. Source	Identify Producer	[19914sss]	EventID			
Event	Producer Identify Range	0524	EventID with Mask, Source	Producer Identify Range	[19524sss]	EventID with mask			
Exchange		0547	· · · · · · · · · · · · · · · · · · ·	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			
1-14	Simple Node Ident Info Request	0DE8	Destination, Source	Simple Node Ident Info Request	[19DE8sss]	fddd			
ldent	Simple Node Ident Info Reply	0A08	Destination, Source, Data bytes	Simple Node Ident Info Reply	[19A08sss]	fddd, data bytes			
				CAN-Datagram Content (one frame)	[1Adddsss]	Data (0-8 bytes)			
	Datagram Content		Destination Course Data but a	CAN-Datagram Content (first frame)	[1Bdddsss]	Data (0-8 bytes)			
D-4			Destination, Source, Data bytes	CAN-Datagram Content (middle frame	[1Cdddsss]	Data (0-8 bytes)			
Datagram				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 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	Stream Data Send	1F88		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			
Evt	Node number Allocate	2000	Source						
Extra	No Filtering	2020	Source						