his is for	reference only, and the definitive d	lefii	nitio	ns	are i	in th						1					03/30/2023
	45015.67	-	1.1			1_1	Full MTI Form		- 1.0			0000			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:	1 Reserved	Reserved	Special	Stream or Datagram	2 Priority	Type within priority (decimal)		Event# present		Full MTI (Hex)	Priority 0		CAN-MTI or Destination-alias ("Variable Part") (hex)	Source-alias 12	CAN Header (hex)	Data-Part {} = optional 64
									<u> </u>								
	Initialization Complete	-	0			0	8	0 0			0100	1 1	1	100	SSS	[19100sss]	Full Source Node ID
	Verify Node ID Number Addressed	-	0	_		1	4	0 1			0488	1 1	1	488	SSS		fddd
Basic	Verify Node ID Number Global	-	+	0		1	4		0		0490	1 1	1	490	SSS	[19490sss]	(Full Ocuses Needs ID)
	Verified Node ID Number	-	-	0		0	11		0		0170	1 1	1	170	SSS	[19170sss]	{Full Source Node ID}
	Optional Interaction Rejected		0			0	3	0 1			0068	1 1	1	068	SSS	[19068sss]	fddd, error, optional info
	Terminate Due to Error	==	0	_		0	5	0 1	_		00A8	1 1	1	0A8	SSS	[190A8sss]	fddd, error, optional info
Protocol Support	Protocol Support Inquiry	-	_	0		2	1	0 1			0828	1 1	1	828	SSS	[19828sss]	fddd
	Protocol Support Reply Identify Consumer		0	_		2	19 7	0 1	_		0668 08F4	1 1	1	668 8F4	SSS	[19668sss] [198F4sss]	fddd, Protocol flags EventID
	Consumer Range Identified	-	-	0		1	5	0 0	_		04A4	1 1	1	4A4	SSS	[194A4sss]	EventID with mask
	Consumer Identified w validity unknown	-				1	6		1 1	3	04A4	1 1	1	4A4 4C7	SSS		EventID
	Consumer Identified as currently valid	-	0			1	6	0 0	_	0	04C7	1 1	1	4C4	SSS		EventID
	Consumer Identified as currently valid		0			1	6	0 0	_		04C4	1 1	1	4C5			EventID
	Consumer Identified (reserved)			0		1	6		1 1		04C5	1 1	1	4C5 4C6	SSS	[194C5sss]	EventID
	Identify Producer		-		_	2	8		1	_	0914	1 1	1	914	SSS		EventID
Event	Producer Range Identified	-				1	9	0 0			0524	1 1	1	524	SSS	[19524sss]	EventID with mask
Exchange	Producer Identified w validity unknown	-	0	_	_	1	10	0 0		3	0547	1 1	1	547	sss	[19547sss]	EventID
	Producer Identified as currently valid	-	0	_		1	10	0 0		0	0544	1 1	1	544	SSS	[19544sss]	EventID
	Producer Identified as currently invalid	-	0	-		1	10	0 0		1	0545	1 1	1	545	SSS		EventID
	Producer Identified (reserved)	-	0	-		1	10	0 0	_	2	0546	1 1	1	546	SSS	[19546sss]	EventID
	Identify Events Addressed	-		0		2	11	0 1	_		0968	1 1	1	968	SSS		fddd
	Identify Events Global					2	11		0		0970	1 1	1	970	SSS	[19970sss]	
	Learn Event	0	0	0	0	1	12	1 0	1		0594	1 1	1	594	SSS	[19594sss]	EventID
	Producer/Consumer Event Report	0	0	0	0	1	13	1 0	1		05B4	1 1	1	5B4	SSS	[195B4sss]	EventID
	Traction Control Command	0	0	0	0	1	15	0 1	0		05E8	1 1	1	5E8	sss	[195E8sss]	fddd, data bytes
Traction	Traction Control Reply	0	0	0	0	0	15	0 1	0		01E8	1 1	1	1E8	sss	[191E8sss]	fddd, data bytes
Control	Traction Proxy Command (obsolete)	0	0	0	0	2	15	0 1	0	1	09E9	1 1	1	9E9	sss	[199E9sss]	fddd, data bytes
	Traction Proxy Reply (obsolete)	0	0	0	0	1	15	0 1	0	1	05E9	1 1	1	5E9	sss	[195E9sss]	fddd, data bytes
Other	Xpressnet	0	0	0	0	2	1	0 0	0		0820	1 1	1	820	sss	[19820sss]	Xpressnet packet
Remote	Remote Button Request	0	0	0	0	2	10	0 1	0	0	0948	1 1	1	948	sss	[19948sss]	fddd, data bytes
Button	Remote Button Reply	0	0	0	0	1	10	0 1	0	1	0549	1 1	1	549	SSS	[19549sss]	fddd, data bytes
Traction	Simple Train Node Ident Info Request	-	0	_	_	3	13	0 1			0DA8	1 1	1	DA8	SSS	[19DA8sss]	fddd
Ident	Simple Train Node Ident Info Reply	∹─	0	_	_	2	14	0 1	_		09C8	1 1	1	9C8	SSS	[199C8sss]	fddd, data bytes
ode Ident	Simple Node Ident Info Request	+	0	_		3	15	0 1	_		0DE8	1 1	1	DE8	SSS	[19DE8sss]	fddd
	Simple Node Ident Info Reply		0			2	16	0 1			0A08	1 1	1	A08	SSS	[19A08sss]	fddd, data bytes
	Datagram	0	0	0	1	3	2	0 1	0		1C48		Ι .				
	CAN-Datagram Content (one frame)	-										1 1		ddd	SSS		Data (0-8 bytes)
Dataswam	→ CAN-Datagram Content (first frame)	-										1 1	3	ddd	SSS	[1Bdddsss]	Data (0-8 bytes)
Datagram	7	1										1 1	4	ddd	SSS		Data (0-8 bytes)
	CAN-Datagram Content (last frame)	0	0	0	0	2	17	0 1	0		0A28	1 1	5	ddd A28	SSS	[1Ddddsss]	Data (0-8 bytes)
	Datagram Received OK Datagram Rejected	-	0	_		2 2	18	0 1			0A28	1 1	1	A20 A48	SSS	[19A28sss] [19A48sss]	fddd, error code
	Stream Initiate Request	==	0	_		3	6	0 1	_		0CC8	1 1	1	CC8	SSS	[19CC8sss]	fddd, buffer size, srcSID
	Stream Initiate Reply	-	+	0		2	3	0 1			0868	1 1	1	868	SSS	[19868sss]	fddd, buffer size, srcSID
Stream	Stream Data Send	+				3	28	0 1			1F88	1 1	7	ddd	sss	[1Fdddsss]	Data (0-8 bytes)
	Stream Data Proceed	-		-		2	4		0		0888	1 1	1	888	SSS	[19888sss]	fddd, srcSID, dstSID
	Stream Data Complete	+		-		2	5		0		08A8	1 1	1	8A8	SSS		fddd, srcSID, dstSID, { le
Extra	Node number Allocate	~	0	_		0	0	0 0	_		2000	1 1	1	900	999		not carried on CAN
	No Filtering		0		_	0	1	0 0			2020	1 1	4	020	SSS	[19020sss]	(Still under discussion)
	Reserved for MTI Expansion					0	0										
	Reserved for MTI Expansion					1	0										
	Reserved for MTI Expansion					2	0										
	Reserved for MTI Expansion					3	0										
	I															. 🖟	
noral Date	agrams need to be fragmented and	٦ ١	_								$\overline{}$				f = Flags	Frame]
	ed into multiple CAN frames.				1		•				/				r r 0 0	Only	
					K	•								umns means that it is	r r 0 1	First	
	Priority Classes					_					identic	al to and	other value	e, and should be checked.	r r 1 0	Last	
	Description			F	Priori	ity									r r 1 1	Middle	
	Initialization; Error handling				0										r = Send 0,	don't check.	
	Event transfer; Operation responses				1				CA	N Mes	sage 1						
	Operation requests; Bulk data transfer res	pon	ses		2		*		Tit	:le			Туре	Variable Part (binary)	Source-alias (hex)	Į	
	Bulk data transfer requests				3		₩		Re	served		1 1	0	0bxxxx xxxx xxxx	SSS		
									\blacksquare	obal		1 1	1	0bmmmm mmmm 0 mmm	SSS		
t Descri									Ac	dressed	d	1 1	1	0bmmmm mmmm 1mmm	sss		
	Description								Da	ıtagram	Only	1 1	2	Obdddd dddd dddd	sss		
14-15	Reserved								Da	ıtagram	First	1 1	3	Obdddd dddd dddd	sss		
13	Special – Operationally special								Da	ıtagram	Middle	1 1	4	Obdddd dddd dddd	SSS		
12	Stream or Datagram – used by Gateways	as ir	ndica	ation	to fra	agme	ent.		Da	ıtagram	Last	1 1	5	Obdddd dddd dddd	SSS		
10-11	Priority – indicates gross priority of message	ge.							Re	served		1 1	6	Obxxxx xxxx xxxx	sss		
5-9	Type within priority Simple protocol – (unaddressed) message								St	ream		1 1	7	Obdddd dddd dddd	SSS		

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

	This is for reference only, and the definitive definitions are in the Standards						
	3	Address present – this message has an address.					
	2	Event present – this message has an event#.					
I	0-1	Modifier within modifier type – message specific extra information					

KEY s, sss, ssss ssss - source alias d, ddd, dddd dddd – destination alias x, xxx, xxxx xxxx xxxx – undefinied field

03/30/2023 16:00:14