	45438.62		Full MTI Forma					`						CAN		
						5 6 7 8 9 1 0 9 8 7 6 5							23 22 21 20 19 18 17 16 15 14 13 12	11 10 9 8 7 6 5 4 3 2 1 0 17 18 19 20 21 22 23 24 25 26 27 28		
	Number of bits in field:	Reserved			Stream or Datagram Priority			Event# present Modifier within		Full MTI (Hex)	Priority 1		CAN-MTI or Destination-alias ("Variable Part") (hex)	Source-alias	CAN Header (hex) 29	Data-Part {}= optional
	Initialization Complete	0	0	0		8	0 0			0100	1 1		100	SSS	[19100sss]	Full Source Node ID
	Verify Node ID Number Addressed				0 1	4	0 1			0488	1 1		488	SSS	[19488sss]	fddd
Basic	Verify Node ID Number Global	+	0	0	0 1	4		0		0490	1 1		490	888	[19490sss]	
	Verified Node ID Number	+	0	_	0 0	11		0		0170	1 1		170	SSS	[19170sss]	{Full Source Node ID}
	Optional Interaction Rejected Terminate Due to Error	#	0	0	0 0	5	0 1			0068 00A8	1 1	· ·	068 0A8	SSS SSS	[19068sss] [190A8sss]	fddd, error, optional int
Protocol	Protocol Support Inquiry	╬	-	0	_	1	0 1			0828	1 1		828	SSS	[19828sss]	fddd
Support	Protocol Support Reply	0	0	0	0 1	19	0 1			0668	1 1	1	668	sss	[19668sss]	fddd, Protocol flags
	Identify Consumer	-	_	0		7	1 0			08F4	1 1		8F4	SSS	[198F4sss]	EventID
	Consumer Range Identified Consumer Identified w validity unknown	-	0	0	0 <u>1</u> 0 1	5	0 0		3	04A4 04C7	1 1	· ·	4A4 4C7	888	[194A4sss] [194C7sss]	EventID with mask EventID
	Consumer Identified as currently valid	+	_		0 1	6	0 0		0	04C7	1 1		4C4	SSS SSS	[194C7sss]	EventID
	Consumer Identified as currently invalid	+	0	_	0 1	6	0 0		1	04C5	1 1	1	4C5	SSS	[194C5sss]	EventID
	Consumer Identified (reserved)	+	_	_	0 1	6	0 0		2	04C6	1 1		4C6	SSS	[194C6sss]	EventID
	Identify Producer	-	0		0 2	8	1 0	-		0914	1 1		914	SSS	[19914sss]	EventID
	Producer Range Identified Producer Identified w validity unknown		_	0	_	9	0 0	-	3	0524 0547	1 1		524 547	SSS SSS	[19524sss] [19547sss]	EventID with mask EventID
Event	Producer Identified as currently valid	-	0	_	0 1	10	0 0		0	0544	1 1		544	SSS	[19547sss]	EventID
xchange	Producer Identified as currently invalid	+	0		0 1	10	0 0			0545	1 1	1	545	SSS	[19545sss]	EventID
	Producer Identified (reserved)	0		0		10	0 0		2	0546	1 1	1	546	SSS	[19546sss]	EventID
	Identify Events Addressed	1		0		11	0 1			0968	1 1		968	SSS	[19968sss]	fddd
	Identify Events Global Learn Event			0		11 12	1 0			0970 0594	1 1	+	970 594	SSS	[19970sss]	EventID
	Producer/Consumer Event Report	-	_	0		13	1 0			0594 05B4	1 1		5B4	SSS SSS	[19594sss] [195B4sss]	EventID EventID
	PCER w Payload 1st	-	_	0		24	1 0		0	0F14	1 1		F14	SSS	[19F14sss]	EventID
	PCER w Payload middle	0	0	0	0 3	24	1 0	1 1	1	0F15	1 1	1	F15	SSS	[19F15sss]	EventID
	PCER w Payload last	~	0	_	0 3	24	1 0		2	0F16	1 1		F16	SSS	[19F16sss]	EventID
Traction	Traction Control Command Traction Control Reply	_		0		15 15	0 1			05E8 01E8	1 1	· ·	5E8 1E8	SSS SSS	[195E8sss] [191E8sss]	fddd, data bytes fddd, data bytes
Control	Traction Proxy Command (obsolete)	_	_	0	_	15	0 1		1	09E9	1 1	· ·	9E9	888	[199E9sss]	fddd, data bytes
	Traction Proxy Reply (obsolete)	0	0	0	0 1	15	0 1		1	05E9	1 1	1	5E9	sss	[195E9sss]	fddd, data bytes
Other	Xpressnet	⇉	_	0	_	1	0 0	-		0820	1 1		820	SSS	[19820sss]	Xpressnet packet
Remote Button	Remote Button Request	∹==	_	0		10	0 1	0 (0	0948 0549	1 1	•	948 549	SSS	[19948sss] [19549sss]	fddd, data bytes
Traction	Remote Button Reply Simple Train Node Ident Info Request	⇉	-	0		13	0 1		1	0DA8	1 1	•	DA8	SSS SSS	[19549sss]	fddd, data bytes fddd
Ident	Simple Train Node Ident Info Reply	-		0		14	0 1			09C8	1 1		9C8	SSS	[199C8sss]	fddd, data bytes
lode Ident	Simple Node Ident Info Request	0	0	0	0 3	15	0 1			0DE8	1 1	1	DE8	sss	[19DE8sss]	fddd
	Simple Node Ident Info Reply			0		16	0 1			0A08	1 1	1	A08	SSS	[19A08sss]	fddd, data bytes
	Datagram CAN-Datagram Content (one frame)	0	0	0	1 3	2 "	0 1	0		1C48	1 1	2	ddd	SSS	[1Adddsss]	Data (0-8 bytes)
	CAN-Datagram Content (first frame)					u					1 1	3	ddd	SSS	[1Bdddsss]	Data (0-8 bytes)
Datagram	CAN-Datagram Content (middle frame					и					1 1	4	ddd	sss	[1Cdddsss]	Data (0-8 bytes)
	CAN-Datagram Content (last frame)					и					1 1	5	ddd	SSS	[1Ddddsss]	Data (0-8 bytes)
	Datagram Received OK	-	_	0			0 1			0A28	1 1		A28	888	[19A28sss]	fddd arrar aada
	Datagram Rejected Stream Initiate Request	==	_	0		18 6	0 1			0A48 0CC8	1 1		A48 CC8	SSS SSS	[19A48sss] [19CC8sss]	fddd, error code fddd, buffer size, srcSII
	Stream Initiate Reply	-	_	0			0 1		-	0868	1 1		868	SSS	[19868sss]	fddd, buffer size, srcSII
Stream	Stream Data Send	-	0	0	1 3	28	0 1	0		1F88	1 1	7	ddd	SSS	[1Fdddsss]	Data (0-8 bytes)
	Stream Data Proceed	-		0			0 1			0888	1 1	· ·	888	SSS	[19888sss]	fddd, srcSID, dstSID
Extra	Stream Data Complete Node number Allocate	-	0	-	0 2	5	0 1			08A8 2000	1 1		8A8 000	SSS	[198A8sss]	fddd, srcSID, dstSID, { not carried on CAN
EXIIA	No Filtering	_	_	1		1	0 0			2020	1 1		020	\$ \$\$	[19000sss] /	(Still under discussion)
	Reserved for MTI Expansion				0	0				2020			923		[10020000]/	(Other diseases)
	Reserved for MTI Expansion				1	0										
	Reserved for MTI Expansion				2											
	Reserved for MTI Expansion				3	0										
		٦ ,													/ <u>/</u>	-
neral Dat ragmente	agrams need to be fragmented and d into multiple CAN frames.				N. A.		•						imns means that it is	r r 0 0 r r 0 1	Frame Only First	
	Priority Classes						identical			to another value, and should be checked.		, and should be checked.	r r 1 0	Last	1	
	Description			F	riority	_								r r 1 1	Middle	4
	Initialization; Error handling			+	0		_	CALL	N# ·	0055 T	100-			r = Send 0, d	on't check.	
	Event transfer; Operation responses Operation requests; Bulk data transfer res	nor	1660	+	1 2	\perp		Title	ivies	sage T	T .	Туре	Variable Part (binary)	Source-alias (hex)	1	
	Bulk data transfer requests	pon	ises		3	₩		Reser	rved		1 1		Obxxxx xxxx xxxx	Source-alias (hex)		
								Globa	ıl		1 1		Obmmmm mmmm O mmm	SSS		
t Descri	<u> </u>							Addre			1 1		0bmmmm mmmm 1mmm	SSS		
	Description							Datag			1 1		Obdddd dddd dddd	SSS		
14-15	Reserved							Datag			1 1	3	Obdddd dddd	SSS		
13	Special – Operationally special						II.	D-1-	uror- '	Middle	111	4	Obdddd dddd dddd	SSS		

OpenLCB MTI Definitions
This is for reference only, and the definitive definitions are in the Standards 05/26/2024 15:06:20

11115 15 101	This is for reference only, and the definitive definitions are in the Standards						
10-11	10-11 Priority – indicates gross priority of message.						
5-9 Type within priority							
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						

Reserved	1	1	6	0bxxxx xxxx xxxx	sss
Stream	1	1	7	Obdddd dddd dddd	sss
r, R – reserved s, sss, ssss ssss ssss d, ddd, dddd dddd		s ssss – source alias dd dddd – destination alias x xxxx – undefinied field			