This is for	reference only, and the definitive of 2014-03-07 02:16	def	initio	ons a	are in	the Standards Full MTI For					7 —				CAN				
	ZU 14-UJ-U1 UZ. IU					6 7 8 9 10	0 11 1							23 22 21 20 19 18 17 16 15 14 13 12	2 11 10 9 8 7 6 5 4				
		15	14	-		9 8 7 6 5	5 4 3	2	1 0		0	1 2	2 3 4	5 6 7 8 9 10 11 12 13 14 15 16	3 17 18 19 20 21 22 23 24	25 26 27 28			
				tagram															
				atac	ĺ		Protocol	ent	Modifier within Priority/Type										
		0	٦	5	'		Prot	res	witl			/be		CAN-MTI or					
		Z	eserved	ial	Ę	Type within	le F	# 5	ifier ity/	Full	اغِ	Je-t	CAN	Destination-alias					
		Sese	Sese	Special	Priority	priority (decimal)	July 5	ver	/odi	MTI (Hex)	Priority	ran	Frame Type	("Variable Part") (hex)	Source-alias		C	CAN Header (hex)	Data-Part { } = optional
	Number of bits in field:		1		2	5	1 1	1	2	16	1	l I	3	12	12	'		29	64
	Initialization Complete	0	0	0 0	0	8	0 0	0		0100	1	1	1	100	SSS			[19100sss]	Full Source Node ID
	Verify Node ID Number Addressed			0 0		4	0 1			0488			1	488	SSS		_	[19488sss]	fddd
Basic	Verify Node ID Number Global			0 0		4	1 C	_		0490			1	490	SSS		_	[19490sss]	
	Verified Node ID Number	_		0 0		11	1 0			0170			1	170	SSS		_	[19170sss]	{Full Source Node ID}
	Optional Interaction Rejected Terminate Due to Error			0 0		5	0 1			0068 00A8			1	068 0A8	SSS		_	[19068sss] [190A8sss]	fddd, error, optional info fddd, error, optional info
Protocol	Protocol Support Inquiry	==	+	0 0		1		_		0828		_	1	828	SSS			[19828sss]	fddd
Support	Protocol Support Reply			0 0		19	0 1	0		0668			1	668	SSS			[19668sss]	fddd, Protocol flags
	Identify Consumer	_		0 0		7	1 0			08F4		-	1	8F4	SSS			[198F4sss]	EventID
	Consumer Range Identified Consumer Identified w validity unknown		-	0 0		5	0 0		3	04A4 04C7			1	4A4 4C7	SSS			[194A4sss] [194C7sss]	EventID with mask EventID
	Consumer Identified as currently valid			0 0		6	0 0	_	-	04C7	_	_	1	4C4	SSS				EventID
	Consumer Identified as currently invalid			0 0		6	0 0	1	1	04C5		1	1	4C5	SSS		_		EventID
	Consumer Identified (reserved)			0 0		6	0 0	_	2	04C6			1	4C6	SSS		$\overline{}$	[194C6sss]	EventID
	Identify Producer			0 0	_	8	1 0			0914			1	914	SSS		_	[19914sss]	EventID
Event Exchange	Producer Range Identified Producer Identified w validity unknown	_		0 0		9 10	0 0			0524 0547			1	524 547	SSS		_	[19524sss] [19547sss]	EventID with mask EventID
	Producer Identified as currently valid			0 0	_	10	0 0			0544			1	544	SSS		_	[19544sss]	EventID
	Producer Identified as currently invalid	0	0	0 0	1	10	0 0			0545	1	_	1	545	SSS			[19545sss]	EventID
	Producer Identified (reserved)		-	0 0		10	0 0		2	0546		_	1	546	SSS		_	[19546sss]	EventID
	Identify Events Addressed Identify Events Global		-	0 0		11	0 1	_		0968		-	1	968 970	SSS			[19968sss] [19970sss]	fddd
	Learn Event	⊣—	-	0 0		12	1 0			0594			1	594	SSS			[19594sss]	EventID
	Producer/Consumer Event Report	⊣⊢—		0 0	_	13	1 0			05B4			1	5B4	SSS			[195B4sss]	EventID
	Traction Control Command	_		0 0		15	1 1			05FA	-		1	5FA	SSS				fddd, data bytes
Traction	Traction Proxy Command Traction Control Reply			0 0	1	15 15	1 1			01FA 05F8			1	1FA 5F8	SSS				fddd, data bytes fddd, data bytes
Control	Traction Control Reply Traction Proxy Reply			0 0		15	1 1			01F8			1	1F8	SSS		_	-	fddd, data bytes
Other	Xpressnet			0 0		1	0 0			0820		_	1	820	SSS		\rightarrow		Xpressnet packet
Remote	Remote Button Request	0	0	0 0	2	10	0 1	0	0	0948			1	948	SSS		=		fddd, data bytes
Button	Remote Button Reply	==	+ +	0 0		10	0 1			0949			1	949	SSS		_	[19949sss]	fddd, data bytes
Traction Ident	Simple Train Node Ident Info Request Simple Train Node Ident Info Reply	_		0 0		13	0 1	_		0DA8		-	1	DA8 9C8	SSS			[19DA8sss]	fddd data bytaa
	Simple Node Ident Info Reply Simple Node Ident Info Request	⇉	+ +	0 0		15	0 1	_		0DE8			1		SSS		_	[199C8sss] [19DE8sss]	fddd, data bytes fddd
Node Ident	Simple Node Ident Info Reply	_		0 0		16	0 1	_		0A08		-	1	A08	SSS		-		fddd, data bytes
	Datagram	0	0	0 1	3	2	0 1	0		1C48									
Datagram	CAN Datagram Content (one frame)					u					1		2	ddd	SSS		-	[1Adddsss]	Data (0-8 bytes)
	CAN-Datagram Content (first frame) CAN-Datagram Content (middle frame)	ارد				и					1 1		4	ddd ddd	SSS		_	[1Bdddsss] [1Cdddsss]	Data (0-8 bytes) Data (0-8 bytes)
	CAN-Datagram Content (last frame)					и					1		5	ddd	SSS		-		Data (0-8 bytes)
	Datagram Received OK			0 0		17	0 1			0A28		_	1	A28	SSS		_	[19A28sss]	fddd
	Datagram Rejected	==	_	0 0	+	18	0 1			0A48		_	1	A48	SSS		=	[19A48sss]	fddd, error code
	Stream Initiate Request Stream Initiate Reply	_		0 0		6 3	0 1	0		0CC8		-	1	CC8 868	SSS		_	[19CC8sss] [19868sss]	fddd, buffer size, srcSID fddd, buffer size, srcSID
Stream	Stream Data Send	_		0 1	3	28	0 1	0		1F88		-	7	ddd	SSS			[1Fdddsss]	Data (0-8 bytes)
	Stream Data Proceed	0	0	0 0		4	-	0		0888	\dashv	_	1	888	SSS		_	[19888sss]	fddd, srcSID, dstSID
	Stream Data Complete	~-	\rightarrow	0 0		5	0 1	_		08A8			1	8A8	SSS				fddd, srcSID, dstSID, { len }
Extra	Node number Allocate	_		1 0	_	0	0 0			2000	\dashv	_	1	000	999		-		not carried on CAN
	No Filtering Reserved for MTI Expansion	+0	0	1 0	0	0	0 0	0		2020	+	+	+	020	<u>\$\$\$</u>		+	[19020sss] /	(Still under discussion)
	Reserved for MTI Expansion	T			1	0											+		
	Reserved for MTI Expansion				2	0													
	Reserved for MTI Expansion	F			3	0													
										-									
	agrams need to be fragmented and				<u>_</u>									×		f = Flags	\perp	Frame	
lefragmente	ed into multiple CAN frames.				A	T				A Doc	مبياميدا	in th	2000 001	umns means that it is		r r 0 0 r r 0 1		Only	-
	Priority Classes					_ /								e, and should be checked.	/	r r 1 0		First Last	
	Description			Pı	iority	ī /								7	/	r r 1 1		Middle	
	Initialization; Error handling				0											r = Send 0,	don'	t check.	
	Event transfer; Operation responses			_	1					ssage			_				ı		
	Operation requests; Bulk data transfer res Bulk data transfer requests	spoi	nses	+	3	-		Tit		ı	R		Type	Variable Part (binary) 0bxxxx xxxx xxxx	Source-alias (he	ex)			
Buik data transier requests 3				Reserved Global			-	1 1 0		Obmmmm mmmm 0 mmm	SSS								
Bit Descrip	ptions							\vdash	Idresse	d	1	_	1	0bmmmm mmmm 1mmm	SSS				
Full-MTI bit	Description							-	atagram		1	-	2	Obdddd dddd dddd	SSS				
	Reserved								atagram			1	3	Obdddd dddd dddd	SSS				
13	Special – Operationally special	_	الم ما	n4! -	- f-	nont.				n Middle			4	Obdddd dddd dddd	SSS				
12 10-11	Stream or Datagram – used by Gateways Priority – indicates gross priority of messa		ırıdıc	สแดท	o tragr	nent.			atagram eserved		1	1	5 6	Obdddd dddd dddd Obxxxx xxxx xxxx	SSS				
5-9	, , , ,						-	ream	•	1	-	7	Obdddd dddd dddd	SSS					
4	Simple protocol – (unaddressed) message	es to	be i	eceiv	ed by '	simple' nodes.							served				1		
3	Address present – this message has an a									KE	Y —			s ssss – source alias					
2	Event present – this message has an eve				c -						d, d			dd dddd – destination alias					
0-1	Modifier within modifier type – message s	peci	tic ex	ktra ir	tormat	ion					X, X	(XX, X	XXX XXXX	xxxx – undefinied field					

OpenLCB MTI Definitions
This is for reference only, and the definitive definitions are in the Standards
2014-03-07 02:16

	Ger	neral		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				
Basic	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	Protocol Support Inquiry	0828	Destination, Source	Protocol Support Inquiry	[19828sss]	fddd				
Support	Protocol Support Reply	0668	Destination, Source, Protocol flags	Protocol Support Reply	[19668sss]	fddd, Protocol flags				
	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				
Event	Producer Identify Range	0524	EventID with Mask, Source	Producer Identify Range	[19524sss]	EventID with mask				
Exchange	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				
ident	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, Source, Data bytes	CAN-Datagram Content (first frame)	[1Bdddsss]	Data (0-8 bytes)				
Detector	Datagram Content	1046	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	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							
Extra	No Filtering	2020	Source							