

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

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Basic	Initialization Complete
	Initialization Complete (simple)
	Verify Node ID Number Addressed
	Verify Node ID Number Global
	Verified Node ID Number
	Verified Node ID Number (Simple)
	Optional Interaction Rejected
	Terminate Due to Error

General Datagrams need to be fragmented and defragmented into multiple CAN frames.

Description	Priority
Initialization; Error handling	0
Event transfer; Operation responses	1
Operation requests; Bulk data transfer responses	2
Bulk data transfer requests	3

Full-MTI bit	Description
14-15	Reserved
13	Special – Operationally special
12	Stream or Datagram – used by Gateways as indication to fragment.
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

A **Red** value in these columns means that it is identical to another value, and should be checked.

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

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

f = Flags				Frame
r	r	0	0	Only
r	r	0	1	First
r	r	1	0	Last
r	r	1	1	Middle
r = Send 0, don't check.				

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r	r	0	0	Only
r	r	0	1	First
r	r	1	0	Last
r	r	1	1	Middle
r = Send 0, don't check.				

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	0498	Destination, Source	Verify Node ID Number Addressed	[19498sss] fddd Full Source Node ID
	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
Protocol Support	Terminate Due to Error	00A8	Destination, Source, error, optional	Terminate Due to Error	[190A8sss] fddd, error, optional info
	Protocol Support Inquiry	0828	Destination, Source	Protocol Support Inquiry	[19828sss] fddd
Event Exchange	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
	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)	[1Addsss] 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
Stream	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 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	0CA8	Destination, Source, ID, {len}	Stream Data Complete	[19CA8sss] fddd, srcSID, dstSID, { len }
Extra	Node number Allocate	2000	Source		
	No Filtering	2020	Source		