

## Summary and History of Coded Wire Tag Formats

Tag Type	Name	Encoding	Data Element	Min	Max	Notes
	Blank	None				No marking on the wire. Replaced with tag type 16 in December 2000
	Original	Binary				Last made 12/1976 (NMT type 1)
			Master			0 0 0 1 1 1 0 1
			Data 1	0	15	Data is four binary digits, repeated for safety
			Agency	0	15	
			Data 2	0	15	
0	Standard	Binary				(NMT type 4)
			Master			0 0 1 1 1 1 1 1
			Data 1	0	63	8 binary digits.
			Agency	0	63	The high order bit is used to ensure an odd number of marks
			Data 2	0	63	
1	Half tags (H type)	Binary				(NMT type 2)
			Master			0 1 1 1 1
			Data 1	0	7	The high order bit is used to ensure an odd number of marks
			Agency	0	7	
			Data 2	0	7	
2	Half-tags (B type)	Binary				(NMT type 3)
			Master			0 1 1 1 1
			Data 1	0	15	
			Agency	0	7	The high order ensures that the total marks on the tag are odd
			Data 2	0	15	
3	6 word half-length	Binary				(NMT type 9)
			Master			0 1 1 1 1
			Data 1	0	7	The high order ensures that the total marks on the tag are odd
			Data 2	0	15	
			Agency	0	15	
			Data 3	0	15	
			Data 4	0	15	

Tag Type	Name	Encoding	Data Element	Min	Max	Notes
9	Repeating series	Binary				(NMT type 5)
			Master			0 0 1 0 1 1 1 1
			Data 1	n/a	n/a	Values with odd number of bits. High order bit is 1's bit of replicate
			Agency	0	63	High order bit is 2's bit of replicate. There is no parity protection
			Data 2	n/a	n/a	List of 31 values. High order bit is 4's bit of replicate
			Replicate	1	7	High order bit of three data values. Zero not used
10	Sequential 6 word	Binary				(NMT type 8)
			Master			0 0 1 1 1 1 1 1
			Data 1	0	63	
			Data 2	0	63	
			Agency	0	63	
			Data 3	n/a	n/a	Data 3 and Data 4 are indexes into an list of 16,383 possible values
			Data 4	n/a	n/a	
11	Length & 1/2	Binary				Same coding as standard tag. (NMT type 11)
			Master			0 0 1 1 1 1 1 1
			Data 1	0	63	8 binary digits.
			Agency	0	63	The high order bit is used to ensure an odd number of marks
			Data 2	0	63	
12	Standard	Decimal				(NMT type 13)
			Flag			Points to two digit agency code
			Agency	0	99	
			Data 1	0	99	
			Data 2	0	99	
13	Length & 1/2	Decimal				(NMT type 15)
			Flag			Points to two digit agency code
			Agency	0	99	
			Data 1	0	99	
			Data 2	0	99	
14	Sequential	Decimal				(NMT type 16)
			Flag			Points to two digit agency code
			Agency	0	99	
			Data 1	0	99	
			Data 2	0	99	
			Sequence	0	99,999	

Tag Type	Name	Encoding	Data Element	Min	Max	Notes
15	Half length	Decimal				(NMT type 14)
			Flag			Points to two digit agency code
			Agency	0	99	
			Data 1	0	9	
			Data 2	0	9	
			Data 3	0	9	
			Data 4	0	9	
16	Agency	Decimal				(NMT type 17)
			Flag			Points to two digit agency code
			Agency	0	9	Uniqueness is not preserved