

Exhibit 1

Table 1 Configuration Variables

CV Name	CV #	Required	Default Value	Read Only	Uniform Spec	Additional Comments
Multi-function Decoders:						
Primary Address	1	M	3		Y	
Vstart	2	R	7			
Acceleration Rate	3	R	0			
Deceleration Rate	4	R	0			
Vhigh	5	O	1			
Vmid	6	O	1			
Manufacturer Version No.	7	M				Manufacturer defined version info
Manufactured ID	8	M		Y	Y	Values assigned by NMRA
Total PWM Period	9	O	0			
EMF Feedback Cutout	10	O				
Packet Time-Out Value	11	R				
Power Source Conversion	12	O			Y	Values assigned by NMRA
Analog Mode Function Status	13	O			Y	
	14-16	-				Reserved by NMRA for future use
Extended Address	17+18	O			Y	
Consist Address	19	O			Y	
	20	-				Reserved by NMRA for future use
Consist Addr Active for F1-F8	21	O			Y	
Consist Addr Active for FL	22	O			Y	
Acceleration Adjustment	23	O			Y	
Deceleration Adjustment	24	O			Y	
Speed Table/Mid-range Cab Speed Step	25	O	1		Y	
	26-28	-				Reserved by NMRA for future use
Configuration Data #1	29	M ²⁵			Y	
Error Information	30	O			Y	
Configuration Data #2	31	O	0		Y	Reserved by NMRA for future use
Configuration Data #3	32	O	0		Y	Reserved by NMRA for future use
Output Loc. FL(f), FL(r), F1-F8	33-42	O			Y	
	43-48	-				Reserved by NMRA for future use
Manufacturer Unique	49-64	O				Reserved for manufacturer use
Kick Start	65	O				
Forward Trim	66	O	128			
Speed Table	67-94	O				
Reverse Trim	95	O	128			
	96-104	-				Reserved by NMRA for future use
User Identifier #1	105	O				Reserved for customer use
User Identifier #2	106	O				Reserved for customer use
	107-512	-				Reserved by NMRA for future use
Accessory Decoders:						
Decoder Address LSB	513	M			Y	6 LSB of accessory decoder address
Auxiliary Activation	514	O				Auxiliary activation of outputs
Time On F1	515	O			Y	
Time On F2	516	O			Y	
Time On F3	517	O			Y	
Time On F4	518	O			Y	
Manufacturer Version Info	519	M				Manufacturer defined version info
Manufacturer ID	520	M		Y	Y	Values assigned by NMRA
Decoder Address MSB	521	M	0		Y	3 MSB of accessory decoder address
	522-540	-				Reserved by NMRA for future use
Accessory Decoder Configuration	541	O			Y	similar to CV#29 for acc. decoders
	542-544	-				Reserved by NMRA for future use
Manufacturer Unique	545-593	O				Reserved for manufacturer use
	594-1024	-				Reserved by NMRA for future use

²⁵ If any of these features are provided, then this CV is Mandatory.