

[Home](#) > [FTE](#) > [Auto/Random Scans](#) > Exception Rule Formulas

Show << >>

Exception Rule Formulas

Rule ID	Rule Name	Rule Description
1	Independent Brake	Brake cylinder > 15 and speed > 15 and speed < 70 for at least 30 seconds.
28	FCS 50	Speed > 55 and throttle > T5 for at least 240 seconds.
16	Centering of Reverser	(Reverser is in forward or reverse) and speed =0 and (tractive effort or load if present is 0) for at least 3600 seconds.
3	Power Brake	Speed > 20 and brake pipe < 69 and brake pipe > 0 and PCS is off for at least 30 seconds.
12	Northern Region Power Brake	(ATC cab signal = arm or clear) and speed > 20 and throttle > T5 and brake pipe < 76 for at least 30 seconds.
4	Heavy Reduction	Speed > 20 and brake pipe < 69 and brake pipe > 0 and PCS is off for at least 15 seconds.
21	Western Region Heavy Reduction	Speed > 20 and brake pipe < 72 and PCS is off for at least 15 seconds.
11	Northern Region Heavy Reduction	ATC cab signal = clear and speed > 20 and brake pipe < 72 and PCS is off for at least 15 seconds.
8	FT Brakes (BP Continuity 5 minutes)	'Brakes Applied' and 'Stopped With Brakes Released' and (Tractive effort > 20 or load > 300) and speed > 20 for at least 1 second.
	Brakes Applied	Brake pipe < 84 for at least 1 second.
	Stopped with Brakes Released	Brake pipe > 84 and speed = 0 for at least 300 seconds.
22	FT Brakes for 600 seconds (BP Continuity 10 minutes)	'Brakes Applied' and '600 Stopped With Brakes released' and speed > 20 and (Tractive effort > 20 or load > 300) for at least 1 second.
	600 Stopped with Brakes Released	Brake pipe > 84 and speed = 0 for at least 600 seconds.
	Brakes Applied	Brake pipe < 84 for at least 1 second.

9	CVE Motion	Conductor Valve Emergency is on and speed > 8 and speed < 70 for at least 20 seconds.
2	Engineer Induced Emergency	EIE is on and TLEM is off and PCS is off and speed > 8 and speed < 70 for at least 20 seconds.
5	Alerter Penalty	Alerter penalty is on and speed over 10 for at least 10 seconds.
6	Engine Revving	(Tractive effort = 0 or load = 0) and speed = 0 and throttle > T2 for at least 25 seconds.
7	Engine Stall	(Tractive effort > 20 or load > 200) and speed = 0 for at least 180 seconds.

[Top of Page](#)[Print Topic](#)