

List of Safety Goals

ID	Name	Safe State	A	Fault Tolerant Time Interval	Warning & Degradation Concept	Necessary Driver Actions	Emergency Operation Time Interval	Contributing requirement	S	L	Diagn	PMHF in FIT	P	FTA for PMHF	
									P	F	Cover	in	FIT		
F	M	M	T	A	A	A	A	A	A	A	A	A	A	A	
G00	Prevent exposure of gassing or TR events	Battery is disconnected	A	2s		Immediately evacuate the vehicle	2s	<ul style="list-style-type: none"> [SR006 [DETEC TIMING] Detect impending or occurrence of gassing or TR within xxx seconds of first occurrence [SR019 [DEGR SS] Permanently disconnect the battery from the external HV bus [SR267 [NOTIF] Notify driver about gassing or thermal runaway event within xxx seconds of detection 	•	•	Yes	Yes		No fault tree selected for PMHF	

G00	Prevent battery from operating outside SOA	Battery is disconnected when not operating in SOA	B	2 sec		Reduce load on the vehicle (battery)	2 sec	<ul style="list-style-type: none"> • [SR003 Prevent battery from operating outside temperature SOA • [SR004 Prevent battery from operating outside voltage SOA • [SR005 Prevent battery from operating outside current SOA • [SR049 Protect battery from accelerating and wear • [SR012 [AVOID Provide battery performance limits to connect loads and sources • [SR248 Prevent BMS from operating outside SOA 	•	•		No fault tree selected for PMHF	
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