

List of Safety Goals

ID	Name	Safe State	A	Fault Tolerant Time Interval	Warning & Degradation Concept	Necess Driver Actions	Emergency Operat Time Interval	Contrib require	S	L	Diagn F, M Works	PMHF in FIT	P	FTA for PMHF
G00	Prevent exposure of gassing or TR events	Battery is disconnected is sound	A	2s		Immediate evacuation the vehicle	2s	<ul style="list-style-type: none"><li>[SR006] [DETECT   TIMING] Detect impending or occurrence of gassing or TR within xxx seconds of first occurrence</li><li>[SR019] [DEGR   SS] Permanently disconnect the battery from the external HV bus</li><li>[SR267] [NOTIFY] Notify driver about gassing or thermal runaway event within xxx seconds of detection</li></ul>	Y	Y		No fault tree selected for PMHF		

G00	Prevent unintended exposure to HV	Battery is disconnected from the power and all high voltage systems are drained and disabled until service	A	20ms	<ul style="list-style-type: none"> <li>[SR001] [NOTIFY] Notify the driver / passenger about presence of unintended HV or leakage</li> </ul>	Driver shall evacuate vehicle and request service assistance from the service station.	5s	<ul style="list-style-type: none"> <li>[SR001] [NOTIFY] Notify the driver / passenger about presence of unintended HV or leakage</li> <li>[SR018] [TIMING]   TOL   DETECT Detect HV exposure fault within xxx seconds of its occurrence</li> <li>[SR019] [DEGR]   SS] Permanently disconnect the battery from the external HV bus</li> </ul>	Y	Y	No fault tree selected for PMHF		
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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"> <li>• [SR003] Prevent battery from operating outside temperature SOA</li> <li>• [SR004] Prevent battery from operating outside voltage SOA</li> <li>• [SR005] Prevent battery from operating outside current SOA</li> <li>• [SR049] Protect battery from accelerating and wear</li> <li>• [SR012] [AVOID] Provide battery performance limits to connected loads and sources</li> <li>• [SR248] Prevent BMS from operating outside SOA</li> </ul>	N	N		No fault tree selected for PMHF		
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