Critical LFT&E Issues – Ground Tactical System Example

3.6.1.1 Critical LFT&E Issues.

Critical LFT&E Issues		Evaluation Strategy	Data Sources					
			Existing Data	LFT	BDAR	M&S	EA	MBT&E
CI 1. What are the expected/unexpected vulnerabilities of the crew/occupants of the combat		Utilize all test data and M&S. Use engineering judgment to evaluate any synergistic effects that	x	x	x	x	x	
1.1	What are the major causes of crew and passenger casualties	Utilize all test data and M&S. Use engineering judgment to evaluate any	x	x		x	x	
1.2	Does the JLTV meet Force Protection	(See Attachment 7 for threats corresponding to	x	x		x		
1.3	To what levels do the opaque and transparent	(See Attachment 7 for direct fire, indirect fire, and	x	x				
	What are the Behind Armor Debris (BAD)	(See Attachment 7 for overmatching threats.)	x	x		x		
1.4	To what levels do vulnerabilities affect the mission capabilities?	Conduct BDAR/R following FUSL test events. Use engineering judgment and		x	x		x	x
1.5	What are the potential vulnerability reductions?	Conduct BDAR/R following FUSL test events. Use engineering judgment to supplement BDAR/R to		x	x	x	x	
CI 2. What subsystems contribute, both directly and indirectly, to crew/occupant		Conduct FUSL test events. Use M&S and engineering judgment to evaluate.	x	x		x	x	
2.1	To what level do stowed ammunition or other energetics (e.g., Lithium Ion batteries), supplies,	Conduct FUSL test events. Use M&S and engineering judgment to evaluate.		x		x	x	x
2.2	To what level are mobility, firepower, and communication retained	Conduct FUSL test events. Conduct BDAR/R following FUSL test events. Use		x	x	x	x	x
2.3	To what level are crew/occupants able to ingress and egress following a ballistic or	Conduct IED events against ballistic cabs. Conduct FUSL test events. Conduct BDAR/R following		x	x		x	

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2.4	To what level are the Automatic Fire Extinguishing System (AFES) and other fire mitigation technologies effective?	Test the AFES effectiveness using a fireball generator. Conduct FUSL test events with threat focused on the fuel tank. Should any test event result in a fire, instrumentation will capture	**x**	**x**	**x**			
CI 3. To what level does Battle Damage Assessment and Repair/Recovery		Conduct BDAR/R following FUSL test events.			**x**			
3.1	What design features facilitate or inhibit	Conduct BDAR/R following FUSL test events.			**x**			
3.2	To what level are BDAR/R manuals and	Conduct BDAR/R following FUSL test events.			**x**			
3.3	To what level are the built-in diagnostic capabilities to support	Conduct BDAR/R following FUSL test events.			**x**			
3.4	To what level does the vehicle design allow expedient and safe recovery with existing recovery equipment and like-vehicle recovery?	Conduct BDAR/R following FUSL test events.			**x**			