

Template No.
CEMILAC_ACGP_IICFE/RE_05

INTEGRATION OF INDIGENOUS CFE Store/system /Role Equipment (RE) On Aircraft

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INTEGRATION OF INDIGENOUS CFE Store/system /Role Equipment (RE) On Aircraft			< Project/System Name>	
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Disclaimer:

This document is a guidance document. Applicable section / table rows may be considered. Any additional details may be added. Any not applicable section/ table rows may be deleted. The template is very general and vary with process to process followed by Development Agency. The document may be fine-tuned with the TAA for finalization.

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Main Template for Integration of Indigenous/CFE Store/system /Role Equipment (RE)

SL · NO	PARTICULARS	REMARKS	COMPLIANCE STATUS	REFERENCES
1	Air Staff Requirement (ASR)	Issued by the User		
2	Air Service Qualitative Requirement (ASQR)			
3	Preliminary Service Qualitative Requirement (PSQR)			
4	Concept of Utilisation			
5	Air HQ /IHQ/Army Aviation Task Directive	Issued by Air HQ/IHQ/ Army Aviation to all concerned		
6	Work Breakdown Structure for proposed Integration (WBS & PBS)	Issued by the Project/Development Partner		
7	CEMILAC Directive	Issued by CEMILAC to all concerned RCMA's		
8	Airworthiness Certification Plan (ACP)	a. Document to be prepared by the Main Contractor / Design Agency based on		RCMA(N)/Template/01

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		<p>the details stipulated in ASR / ASQR / PSQR issued by the user.</p> <p>b. Comprehensive ACP to be verified and approved by all concerned.</p>		
9	Technical Specifications of Store / Sub system / RE	<p>a. Document to be prepared by the Main Contractor / Design Agency based on the following details stipulated in ASR / ASQR / PSQR issued by the user:</p> <p>i. On which A/c CFE / RE to be integrated</p> <p>ii. Configuration of CFE store / RE with existing stores on the a/c</p> <p>iii. Essential Physical parameters such as Dimensions / Weight / CG / Moment of Inertia of store / RE, Max / Min. 'g', IAS during C&H and</p>		<p>To be submitted by Design Agency duly approved</p> <p>Type Record of CFE items / Stores along with Technical Specifications / Test Reports needs to be furnished</p>

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		Release, Max. / Min - AoA / AoS of the aircraft etc.		
10	System Requirements Specification Sub system / LRU Development –	a. Requirement Specification is devised by the Designer based on the requirements projected in ASR.		To be submitted by Design Agency duly approved
11	FMEA, FMECA, SSA (Aircraft level)	a. Document is to evolved by the designer from component to system level as per MIL-STD-1629, MIL-STD-882.		RCMA(N)/Template/02
12	Feasibility Study Report (Mechanical & Avionics)	a. Activity to be undertaken as per the clearance requirement specified in the MIL-STD-1289.		To be submitted by Design Agency duly coordinated by all concerned
13	Integration Design Review (IDR)			RCMA(N)/Template/03
14	Advanced Modification Instructions (AMI)			Form – 33 of IMAP-23
15	Aircraft integration & FTI scheme (Mechanical/Electrical) (Drawings, DAL, BOM, ICDs, SOPs, I etc)	Flight Test Instrumentation (if applicable)		To be submitted by Design Agency for

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				approval/coordination /review
16	Qualification test schedule	To be tailored to the requirements to end use application		RCMA(N)/Template/04
17	Integration Reviews (Mechanical/Aerodynamic/Electrical)			RCMA(N)/Template/05
18	Aircraft level EMI/EMC Test Schedule			RCMA(N)/Template/06
19	Aircraft level Ground Test Schedule			RCMA(N)/Template/07
20	Test Adequacy Review Board (TARB)			Board recommendation
21	Flight Readiness Review Board (FRRB)			Board recommendation
22	Flight Safety Review Board (FSRB)			Board recommendation
23	Store/system/software Clearance	CoC & Type Record supported by Test Repost in case of CFE		CEMILAC/RCMA
24	Flight Test Plan			Flight Test Agency (FTA)
25	Ground Test report / Work Done report			Designer/Main contractor / Flight Test Agency

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26	Flight Clearance Certificate (FCC) b. Carriage & Handling c. Carriage & Handling (Asymmetric config) d. Avionic Missile e. Dummy Drop f. Live Drop g. Post Flight Analysis h. Modification Retention	After each phase of flight trials; PFA needs to be undertaken prior to clearance of next phase of trials		Form – 100,100A,101 of IMAP-23
27	Post Flight Analysis			Report of flight trials and RoD of PFA
28	User Acceptance report	On successful completion of all phases of flight trials FTA to submit acceptance report		FTA
29	Local Modification Committee (LMC)	Ratification of the modification		LMC approval for Clearance for Service Use (CSU) Form – 28 of IMAP-23
30	Series Production Drawings & Approval of Mod leaflet			Form – 35 of IMAP-23

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