

Component First Article Test (CFAT) Plan

CDRL E003 to Contract W56HZV-18-D-0010

Family of Medium Tactical Vehicles (FMTV-A2)

CFAT Plan for Part Description

Oshkosh Part Number:

Vendor Part Number:

Revision:

Supplier:

CAGE Code:

System Tested:



OSHKOSH DEFENSE

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Contract No. W56HZV-18-D-0010

Contractor Name: Oshkosh Defense, LLC

Contractor Address: 2307 Oregon Street, Oshkosh, WI 54903-2566

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TACOM	Mark Melchior – Chief Quality Assurance
TACOM	Sean Yacoub – Product Quality Manager
AQE - Oshkosh Defense	Vanessa Lambert-Kaminski – Oshkosh Defense

Approval & Authorization

Prepared by:	<u>Supplier Name</u>	Date:	01/01/2023
Approved by:	Oshkosh Defense CFAT Team	Date:	01/01/2023
Authorized for issue by:	Andrew Martin	Date:	01/01/2023

Record of Revisions

Date	Version Number	Description of Revision
07/09/2019	0.1	Plan Template, compliant with Government specifications
	0.2	Submitted to Government
	0.3	Updated Personnel

Oshkosh Defense
A Division of Oshkosh Corporation
 2307 Oregon Street, Oshkosh, WI 54902
 Tel: 920.235.9150 Fax: 920.233.9610
www.oshkoshdefense.com

This report is a deliverable to the U.S. Government as part of CDRL E003 of the FMTV -A2 contract. Before conducting the test(s) outlined herein, this report must be approved by an appropriate Oshkosh Defense representative and the U.S. Government must be given a minimum of 20 days advance notification. Failure to do so may be grounds to invalidate the test results and a new test conducted at the Supplier's expense.

1.0 **Introduction**

Consists of an overview of the reasons this test is required as well as the objectives of the test plan, including milestones and personnel participation.

2.0 Flow Diagram – Attached on Page #. Should reflect a functional description of testing in block diagram format comprised of functions needed to form the total test program, covering all verifiable print notes as well as post-testing report generation. Blocks should be numbered sequentially. They should also have associated print note numbers in parentheses. For instance, if print note 2 provided the first testable print note, 1.0 (2) would be next to said test's block. Responses to failure should be present in the PFD. Should show steps to rectify said failure, and address handling of failed samples. All tests should be individually portrayed and in appropriate sequence to match order in which they will be performed. Ordering and numbering should match Master Test List.

3.0 **Schedule and Milestones**

Outlines the schedule for every individual CFAT test to be conducted, as well as for subsequent Report generation. Schedule should detail start date and time, end date and time, and time consumed for each test, and for report generation. Precise dates are required—it is understood that these dates may be subject to change. Additionally, this section should provide a plan for addressing any deviations from schedule.

Example

Company/Representative(s) proposes that CFAT testing begin at xx:xx am/pm on xx/xx/xxxx.

Specific Test will begin at xx:xx am/pm on xx/xx/xxxx. Specific Test is expected to take xx hours and be completed at xx:xx am/pm on xx/xx/xxxx.

Specific Test will begin at xx:xx am/pm on xx/xx/xxxx. Specific Test is expected to take xx hours and be completed at xx:xx am/pm on xx/xx/xxxx.

Report Generation will begin at xx:xx am/pm on xx/xx/xxxx. Specific Test is expected to take xx hours and be completed at xx:xx am/pm on xx/xx/xxxx.

If Oshkosh Defense representative(s) and/or the Government Inspector is unable to attend this time/date, a subsequent mutually agreed upon date will be determined.

4.0 Location & Participants

Include company name, address, and contact info for all testing locations. List all participants; divide these lists by category.

Contractor Participants

Contractor POC / Title / Role in CFAT / Employer (list multiple if needed)

Oshkosh Corporation Participants

Oshkosh POC / Title / Role in CFAT / Employer (list multiple if needed)

Government Participants

Government POC / Title / Role in CFAT / Employer (list multiple if needed)

5.0 Master Test List – Attached on Page #

The Master Test List should outline ALL print notes, including the print note Verbatim in the Note Requirement column. For testable notes, Test Description/Approach should be detailed and step by step, providing a complete overview of test execution—if such detail makes it unreasonable to fit inside the Master Test List, ***individual test protocols should instead be attached in appendices and referenced in the Master Test List instead.***

6.0 Security and Safety

List security measures or guidelines to be observed. If none are required, instead put N/A – Not Required.

7.0 Special tests

If required, a list of special tests to be conducted, and any needed details or documents necessary for their execution. If none are required, instead put N/A – Not Required.

8.0 Test & Support equipment – Attached on Page #

9.0 Government test facilities

Outline any government test facilities that will be needed for testing. If none are needed, instead put N/A - Not Required.

10.0 Oshkosh Drawing – Attached on Page #. Place a copy of the OSHKOSH part drawing here; this is to ensure print notes and part details are available inside the document. DO NOT INCLUDE A COPY OF THE SUPPLIER PART DRAWING IN THE CFAT PLAN.

MASTER TEST LIST – TESTABLE NOTES

Sequential Test # + (Print Note #)	Note Requirement (Print Note, Verbatim)	Functional Category	Applicable Specifications and/ or Baseline	Parameters	Success / Failure Criteria*	Duration of each Test	# of Times each Test Performed	Test Description / Approach (LARGE ENTRIES TO APPENDIX)	Instrumentation Used to Record Data	Data Analysis / Validation Procedure
(ex.)	<i>Hose must withstand pressures up to 700 PSI for 15 minutes per SAE J10 3.1 and not deform more than 1% in circumference</i>	<i>Performance</i>	<i>SAE J10 3.1</i>	<i>700 PSI for 15 minutes</i>	<i>Less than 1% permanent circumferential deformation</i>	<i>15 minutes</i>	<i>1x</i>	<i>Hose will be pressure tested utilizing Widget Industries high pressure tester. Measurements will be taken immediately prior and after test</i>	<i>Pressure Gage, Calipers, Stopwatch</i>	<i>Appropriate pressure and time will be monitored. Beginning and ending measurements will be taken</i>

****If a component fails to function properly during a test or incurs damage during the normal operation of a test intended to be non-destructive, it shall be considered a test failure.***

MASTER TEST LIST – NON-TESTABLE NOTES FOR VERIFICATION AND ACKNOWLEDGEMENT

(Print Note #)	Note Requirement (Print Note, Verbatim)
<i>(ex.)</i>	<i>APPLICABLE STANDARDS / SPECIFICATIONS: A. ASME Y14.100-2017 B. ASME Y14.5-2009</i>

Description	Nomenclature (Brand / Model)	Serial Number (ID Number)	Calibration Constants	Calibration Status	Operating Instructions
				Due Date	Calibration procedure Number / ID

Embed or attach Flow Diagram (Functional Description of Test Program)

Oshkosh Drawing