

Form Owner: Oshkosh Defense, LLC

Form Name: CDRL E003 Supplier CFAT Test Report - CUI

Form Revision Date: January 31st, 2023



CUI

ATTENTION

Controlled by: PEO CS&CSS JPO JLTV

Controlled by: Oshkosh Defense, LLC

CUI Category(ies): CDRL E003, CFAT Report

Limited Dissemination Control: Distribution Statement C, Export Control

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ATTENTION

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Standard Form 901 (11-18)
Prescribed by GSA/ISOO | 32 CFR 2002

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Supplier CFAT Test Report

Part Number: Enter the Oshkosh and the AOPN

Part Revision Level: Enter the part's drawing revision number/letter

Part Description: Enter part description as listed on the drawing

Supplier Name: Enter your Company's Name

Supplier Cage Code: Enter your Company's Cage Code #, not Oshkosh's

CFAT PO #: Enter the # of the PO issued for CFAT or first delivery

Date of Test: Enter the start and completion date(s) of CFAT Testing

Contract: W56HZV-15-C-0095 / Clin: 0020AA

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Record of Revisions

Rev #	Rev Date	Description of Revision to CFAT Test Report
01	11 January 2022	Initial revision
02	31 January 2023	Updated personnel, replaced SQE with AQE, removed reference to FTP and replaced with Moveit site. Removed incumbent language.

Approval & Authorization

The Supplier’ Agent listed below certifies that the Component First Article Test (CFAT) Report has been drafted according to the requirements detailed herein, and the test(s) show compliance to all notes on the drawing including the First Article Test requirements.

			/ /
<i>Name of Supplier’s Agent</i>	<i>Title of Supplier’s Agent</i>	<i>Signature of Supplier’s Agent</i>	<i>Date Report Approved</i>

ATTENTION

A copy of the drawing **MUST** be included in this CFAT Report document (even for incumbent suppliers), therefore, the report **CANNOT** be sent via e-mail and **MUST** be loaded to the Oshkosh Supplier Network Moveit site. Once the report is uploaded to the Moveit site, send a “text only” e-mail to your designated Oshkosh Advanced Quality Engineer (AQE) notifying him/her that the report has been loaded to your Oshkosh Supplier Network Moveit site folder.

This CFAT Report is a deliverable to the U.S. Government as part of a CDRL (Contract Deliverable). This plan must be approved by Oshkosh Defense and Government representatives so prepare it accordingly. Use consistent formatting throughout including charts and illustrations. If a given section of the template is truly not applicable (i.e. Government Facility), list it as “Not Applicable” or “N/A”.

This CFAT Report must be submitted at least **60** days after test completion. Any exceptions to this must be discussed and approved by your assigned AQE. The CFAT Report must include the PPAP workbook, all applicable recorded data, drawings, illustrations and photographs to validate the test(s) and verify results.

NOTE: Results from successful CFAT tests **MUST** be summarized in this CFAT Test Report form available on the Oshkosh Supplier Network: <http://osn.oshkoshcorp.com>. The tests must show compliance with all notes on the drawing, including the First Article Testing requirements. The accepted document to demonstrate this compliance is the signed Part Submission Warrant (PSW) and approved by an agent of Oshkosh Corporation. The PSW is part of the PPAP submittal, as required by the Oshkosh Supplier Quality Assurance Manual.

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Instructions When Filling Out This Template

Before filling out this template, please review the CFAT Training Procedure available on the Oshkosh Purchasing portal: <http://osn.oshkoshcorp.com>

CFAT component units MUST be representative of items to be manufactured using the same process, facilities and procedures as will be used for contract production.

CFAT testing shall be performed on a minimum of 2 component units (review specific CFAT notes on the drawing to determine if performance on more than 2 component units is required). The First Article samples must be taken from within the first 10 component units produced for this contract unless otherwise approved by the Government. If First Article samples are not available from within the first 10 component units produced for this contract, the Supplier MUST notify their designated Oshkosh AQE to determine path forward.

If CFAT test fails, the Supplier may be required repeat the CFAT test. Prior to making any necessary changes, modifications or repairs to the First Article samples or selecting another First Article for testing, the Supplier MUST notify their designated Oshkosh AQE.

CFAT Part Change Notices (PCNs)

If changes are made by the supplier to the technical data, production processes, facilities, and/or type of material after successful completion of CFAT testing, a subsequent CFAT may be required. If any of the above conditions occur, the Supplier MUST notify their designated Oshkosh AQE. For further guidance, please review the CFAT Training Procedure available on the Oshkosh Purchasing portal: <http://osn.oshkoshcorp.com>

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1.0 Introduction

- 1.1 Test / inspection objective(s).
For example...
 This report outlines how Company Name Here met CFAT requirements for drawing Part Number Here & AOPN revision Rev.
- 1.2 Item(s) tested/inspected.
- Nomenclature: Widget Name From Drawing
 - National Stock Number: 1234567891234
 - Part number: 12345678
 - Type of item: Production
 - Serial or lot number: Insert the lot or serial number here
 - Applicable engineering changes: List rev changes/ approved ECP's
 - Production item specification: Ex:Refer to drawing or ASTM / SAE specs
 - Date of manufacture: Ex:September 18th, 2018-date of production
- 1.3 Test/inspection requirements.
- Required test/inspection parameters. Refer to corresponding E002 plan # xxx.
 - Performance requirements, acceptance or compliance limits, and environmental criteria. Refer to corresponding E002 plan # xxx.

2.0 Summary

- A brief discussion of the significant test/inspection results, observations, conclusions and recommendations:
For example...PPAP documentation was reviewed for conformance to notes 15a-15d. Applicable quality procedures were reviewed for conformance to the test sample failure note. Performance pressure testing was completed on notes 16 and 17 per SAE J10 3.1. Conformance of the part yields success due to less than 1% permanent circumferential deformation was present. It was determined all print requirements were met.
- Proposed corrective actions and schedules for failures or problems encountered:
If failure occurred during testing, corrective actions must be listed along with schedules for failures or problems.
- Identification of deviations, departures, or limitations encountered, referenced to the contract requirements:
Reference system level or government testing, in relation to component tested if applicable.
- Tables, graphs, illustrations, or charts as appropriate to simplify the summary data:
Provide a brief summary or overview of data and explain how performance data was validated.

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3.0 Reference Documents

- a. Prior test inspection reports on the same item:
Include any prior test records that are available. Example: Include testing or performance results from the same part, prior to an ECP approved change. Not applicable? N/A.
- b. Test/Inspection plans and procedure documents”
 Reference CDRL E002 XXXXXX, approved Date
- c. Prior certifications of compliance:
Include any previous CFAT certifications of compliance. Prior approval, prior acceptance of test data, incumbent form, etc. Not applicable? N/A.
- d. Contractor’s file designation where test/ inspection records are maintained
For example... Files stored electronically: Internal company server for extent of contract. Include a reference number for a QCP on how records are maintained.
- e. Input parameters used / Applicable Specifications:
For example...CDRL, MIL Handbook, DID, ASTM, SAE, etc.

4.0 Report

- 4.1 Test equipment identification. *For example... Reference Appendix D. In Appendix D, copy and paste the original table of test equipment located in the CFAT plan. Then, add an additional tooling to the table and report any information of new or unforeseen tools used during actual testing. Label accordingly.*

4.2 Test/inspection facility installation and set-up

- a. Location or orientation of the item:
- b. Location, orientation, or settings of test equipment and instrumentation:
- c. Location, orientation or settings of sensors and probes:
- d. Location or orientation of interconnections, cables and hoop-ups:
- e. Electrical power, pneumatic, fluidic, and hydraulic test requirements:

Provide a brief summary that includes all of the above information in section 4.2 and refer back to the to the corresponding E002 CFAT plan form. Include additional items such as drawings, illustrations, graphs and photo’s in appendix A, Test Result Matrix.

(Drawings, illustrations, and photographs may be included in appendices for Clarification.)

4.3 Test/Inspection procedures

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a. Item selection and inspection that verified suitability for test/inspection:

For example...Slected at random from the first production lot.

b. Summarized sequence of testing/Inspection testing steps, including a description of how the item was operated during the test/inspection, and any control conditions that imposed. *For example...Testing was performed MIL-STD-202G, Method 301 as detailed on Cable Assy Requirements drawing number 1234567 Rev A, Section 16.A, 16.B. Reference Appendix A for a summary of the test results and Appendix B for a copy of XYZ companies test report containing a detailed summary of the test sequence, specification and test results.*

4.4 Test/inspection results and analysis

4.4.1 Recorded Data

Example: The actual recorded data, ie: log book, entries, oscillographs, instrument readings, plotter graphs are provided in Appendix A.

4.4.2 Test/inspection results

a. See appendix for Test Result Matrix.

b. Discussion of these results as to how they compare to any prior test/inspections:

For example... Reference Appendix A, Mater Test List. Leverage data of past testing and compare testing with CFAT results if applicable. If no prior testing has been conducted, copy and paste Master Test List from the CFAT plan side by side with the recorded values during the CFAT test. Provide a brief summary of findings.

c. Calculation examples:

For example...Torque Calculation: Total torque= $T1+T2+T3+T4 = 6fd + 6fd+(-)5fd+0=7fd$ to the clockwise direction. Other examples: Mileage assesments calculations, operational mission failure, welding calculations, etc.

d. Discussion of anomalies, deviations, discrepancies, or failures, including their impact, causes, and proposed corrective actions. The discussion shall address discrepancies between design requirements and the tested/inspected configuration:

4.5 Conclusions

a. Describe the effectiveness of the test/inspection procedures in meeting item performance. *For example: Provide a brief summary whether or not the parts tested are suitable for JLTV production for the items below.*

b. The success or failure of the item to meet required test/inspection objectives.

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- c. The need for repeat, additional, or alternative tests/inspections.
- d. The need for item redesign or further development.
- e. The need for improved test/inspection procedures, techniques, or facilities.
- f. The adequacy and completeness of the test/inspection requirements.

4.6 Recommendations

- a. Acceptability of the item(s) tested/inspected: *Suitable or not suitable for JLTV production?*
- b. Additional testing/inspection is: *Required or not required.*
- c. Redesign is: *Required or not required.*
- d. Problem resolution is: *Required or not required.*
- e. Test/inspection procedure or facility improvements are: *Required or not required.*
- f. Disposition of items tested and inspected: *ASK YOUR CFAT COORDINATOR PRIOR TO FILLING THIS IN! Example: Dipose at suppliers facility at the customers discretion, ship to government facility, etc.*
- g. Documentation changes are: *Required or not required.*
- h. Testing/inspection improvements are: *Required or not required.*

5.0 Authentication

5.1 Authentication of test/inspection results.

The test/inspection was performed in accordance with applicable test/inspection plans and procedures, and the results are true and accurate.

(The authentication shall include the signature of the contractor personnel that performed the test(s) / inspection(s).)

Signature

Print Name

Title

Date

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5.2 Authentication of prior validation.
Those requirements not tested/inspected or measured that were previously Validated were performed in accordance with applicable test/inspection plans And procedures, and the results are true and accurate.
(The authentication shall include the signature of a contractor representative authorized to make such authentication.)

Signature

Print Name

Title

Date

5.3 Authentication of acceptability.
The item(s) tested and inspected PASSED item acceptability requirements. (This authentication shall include the signature of a contractor representative authorized to make such authentication.)

Signature

Print Name

Title

Date

6.0 **Appendices**
(Appendices shall be used to append detailed test/inspection data, drawings, Photographs, or other documentation too voluminous to include in the main body Of the report. This includes referenced documentation not previously provided by The government, and test/inspection reports from any associated test/inspection Activity that may have performed some of the testing/inspecting requirements.)

- Appendix A – Test Result Matrix**
- Appendix B- Supporting Documentation**
- Appendix C – PPAP Documentation**
- Appendix D – Test Equipment**
- Additional Appendices (If needed)**

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