



Oracle L11 Functional FAI General Requirements

Document Number and Revision: AQP-10028 Rev 02

Overview

This document details the general Oracle requirements that External Manufacturing sites must follow when submitting an L11 functional FAI report.

This requirement is general purpose for manufacturing sites building and testing L11 racks.

Audience

This document is intended for anyone internal or external to Oracle who is involved the L11 Functional FAI.

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INTRODUCTION

A functional first article inspection (functional FAI) report is a document that describes how a supplier satisfies the requirements (or change in requirements) defined in rack level specification document or within a Test Requirement Document (TRD).

A functional FAI for the L11 (rack level) ensures the appropriate requirements documentation (specification, TRD, etc) has been verified electronically (where possible).

Oracle needs proof that the site has met the product specification requirements.

BACKGROUND

At the rack level, the L11 specification document defines what the final rack solution looks like mechanically and may also include programmable requirements as necessary (examples: rack elevation, cabling termination, programmable requirements, product specific attribute requirements, etc). This document (known as a “hardware reference item”) is available on the rack level product BOM via fusion.

Any changes to the L11 specification document or product BOM are triggered and communicated using the ECO/MCO process via fusion.

Note:

In some cases, information related to the L11 product specifications may be found in Sharepoint/Secure Sites in a location designated by the PE.

A brief overview of an L11 (rack level) specification document will provide the following content related to the L11 process:

- Rack elevation
- Test Config & FW
- Power Cabling
- Rack Cabling
- Non-standard instructions

CRITERIA FOR FUNCTIONAL FAI CREATION

There are many events that trigger the need for a site to create/submit a Functional FAI. For product specific instructions during NPI, a PA will be driving the submission of the Functional FAI. For sustaining, ECO's that result in "changes to test software to support" require a re-evaluation to ensure the test process meets product requirements.

Event Triggers	Description
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Before Sustaining	Before production mode (sustaining) can begin, Oracle Product Engineering must review and approve a suppliers functional FAI report.
Any changes to L11 specification document or Product BOM	Any changes to the L11 specification document or product BOM are triggered and communicated using the ECO/MCO process via fusion. Any changes to the L11 specification document require re-evaluation of the test process to ensure requirements are met and this may require a functional FAI report documenting appropriate changes.

Note:

There may be cases where the Oracle PE will request a Functional FAI outside of the above scenarios.

CONTENT OF A FUNCTIONAL FAI

A functional FAI must show proof that all areas of the product specification document have been met. The functional FAI report documents the methods used to meet the requirements defined in the specification document.

The functional FAI must answer these questions:

1. How does the external manufacturing teams meet the L11 specification document requirements?
2. Does the test process electronically verify the requirements defined in the specification document?
 - a) If yes, please document how this is accomplished.
 - b) If no, please document why and defend with a justification.

Document History and Approvals

Rev	Date	Fusion History: Description of Change	Originator
02	2/04/2025	Document Creation.	N/A

Accompanying Information

- When Document Template is complete, email source file to eso_business_docs_us_grp@oracle.com
- All hard copies of this document are uncontrolled and are to be used for reference only.
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References

- ¹<https://www.ashrae.org/file%20library/technical%20resources/publication%20errata%20and%20updates/2011-gaseous-and-particulate-guidelines.pdf>
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