HARDWARE CONFIGURATION RECORD
for <LRU/SYSTEM Name>
for
<Platform Name>

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Title:	**Project/System :**
	< Project/System Name>
HARDWARE CONFIGURATION RECORD **for** **<LRU/SYSTEM Name>for <Platform name>**	**LRU/System Part No.**
	<No.>
	Critical Level
	<A/B/C/D/E>

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Prepared By	**Checked By**	**Approved By**	**Doc No. <Document number**		
			Issue	**Revision**	**Date**

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.

1 SCOPE

This document gives the details of the Hardware Configuration of the *"[LRU Name]"* for the *[Platform Name]*.

1.1 IDENTIFICATION

This Hardware Configuration Record specifies the identification of *[LRU Name]*.

Name of System	
System identification	
LRU Name	
LRU Part No.	
Hardware Version number	
Applicable MDI Issue No.	

1.2 SYSTEM OVERVIEW

[Briefly State the Purpose of the system and the LRU to which the HCR applies]

2 REFERENCED DOCUMENTS

2.1 GOVERNMENT DOCUMENTS

[List all the titles and number of all the govt documents referred]

2.2 NON-GOVERNMENT DOCUMENTS

Specifications and design
[List all the titles and number of all the Approved specification documents referred such as Tech Spec, FRS, EICD, Hardware design doc, Derating doc, Reliability, Thermal and structural analysis docs etc]

Standards
[List all the titles and number of all the standards documents referred such as Arinc, MIL Std etc]

Other Publications
[List all the titles and number of all the publications/documents referred such as Processor Guides, Sensor data sheets, Manuals etc]

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3 VERSION DESCRIPTION

[Identify the version number of the current hardware configuration. Also list the development tools required to build the hardware, like CAD tools etc and their versions. Mention previous MDI/ DAL issue number whose modification has resulted in current configuration. Mention whether the older Issues of MDI remain valid after issue of new MDI, if so under what conditions & for which hardware versions.]

3.1 INVENTORY OF MATERIALS RELEASED

[List all the Physical material that makes up this version. Describe the modules, cards, connectors, cables and any other accessories of the system with their current version no. and compatibility/ interchangeability between items of different versions. Also identify all operation and support documents and tools that are required to install, operate, calibrate, tune and maintain the hardware.]

3.2 LRU Configuration Contents

[List the documentation that makes up this version, like MDI, BOM, Gerber files,etc. Settings/ configuration of configurable components, if any are to be listed.]

3.3 Class I Changes Installed

[List Major modifications from previous version to current version, including reasons for change. These changes result in interchangeability or performance differences in the equipment w.r.t previous version]

Sl.no	Old Drawing Issue No.	New Drawing Issue No	Type of change (New/ Modified/ Deleted)	Reason for change	Applicability of the changed dwg.

3.4 Class II Changes Installed

[List Minor modifications from previous version to current version. These changes do not result in change in configuration of the equipment but are drawing corrections to facilitate production/ repair or absorption of jumpers or substitution due to obsolescence etc.]

Prepared By	Checked By	Approved By	Doc No. <Document number		
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Sl.no	Old Drawing Issue No.	Changes in the dwg.	New Drawing Issue No.	Applicability of the changed dwg

3.5 Adaptation Data

[List any aircraft-to-aircraft-varying adjustments like tuning, calibration, characterization, loading of data, compensations, offsets etc required before the item is ready for operation on the aircraft in which it is to be installed.]

3.6 Interface Compatibility

[Indicate other systems/configuration items/ test rigs/ firmware/ software affected by this version change.]

3.7 History of Configuration Changes

3.7.1 Changes for Ver 1 to 2

[List all the modifications from Ver 1.0 to Ver 2, in a table similar to sec 3.3. Also mention the intermediary MDI changes in a table similar to sec 3.4. Mention whether this version is SOF, QT/LQT, or mod approved through LMC. List the tests carried out before certification of Ver 2 and limitations of Ver 2, if any. Also mention if there are any compatibility and interchangeability issues with other systems/ test rigs/ firmware/ software.]

3.7.2 Changes from Ver 2 to 2.1

And so on.

3.8 Installation Instructions

[Mention the procedure and any special tools or specific care to be taken, to install the hardware on the platform and ensure its correct functioning]

3.10 Known Issues

[List all the limitations of the LRU in this version including pending tests, non-compliance in tests, incomplete implementation of specifications etc.]

4.   Abbreviations

AMI	Advance Modification Information
BOM	Bill Of Materials
CAD	Computer Aided Design
EICD	Electrical Interface Control Document
FRS	Functional Requirement Spec
HCR	Hardware Configuration Record
LQT	Limited Qualification Test
LMC	Local Modification Committee
LRU	Line Replaceable Unit
MDI	Master Drawing Index (same as Drawing Applicability List)
PC	Provisional Clearance
QT	Qualification Test
SOF	Safety Of Flight