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Document Change Record

Date	Issue/Revision	Page	Change
12-11-00	draft	all	first definition by Jacobs

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1 Objectives

It is the purpose of this document to structure the ICU End Item Data Package from unique component level through-out the sub-system level.

The main objectives of the composition of the End Item Data Package (EIDP) as reflected in this document are:

- That the subject under delivery complies with the agreements made between the receiving- and supplying party.
- That the receiving party is able to operate and handle the item for its purpose.
- First order problem solving, during higher levels of use, can be done without involving the supplying party.

2 Documents

2.1 Applicable documents

AD-01 Composition of the HIFI End Item Data Package SRON-U/HIFI/PR/1999-006

2.2 Reference documents

Ref-01 HIFI Product Assurance plan SRON-U/HIFI/PL/1999-008

3 Introduction

The end item data herein includes a flow-down from sub-system level to unique component level for all models as planned within the HIFI project.

The data summarised, is part of the overall HIFI data structure as recorded in AD-01 for which the breakdown is given in figure 3.

The data for each individual item is presented in such a way that it may be used as a table of contents for a data package.

It is therefore that in the tables presented, columns are included for “document number” and “issue”. The result is a folder of data with a table of contents reflecting the status of each individual document.

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EIDP Breakdown

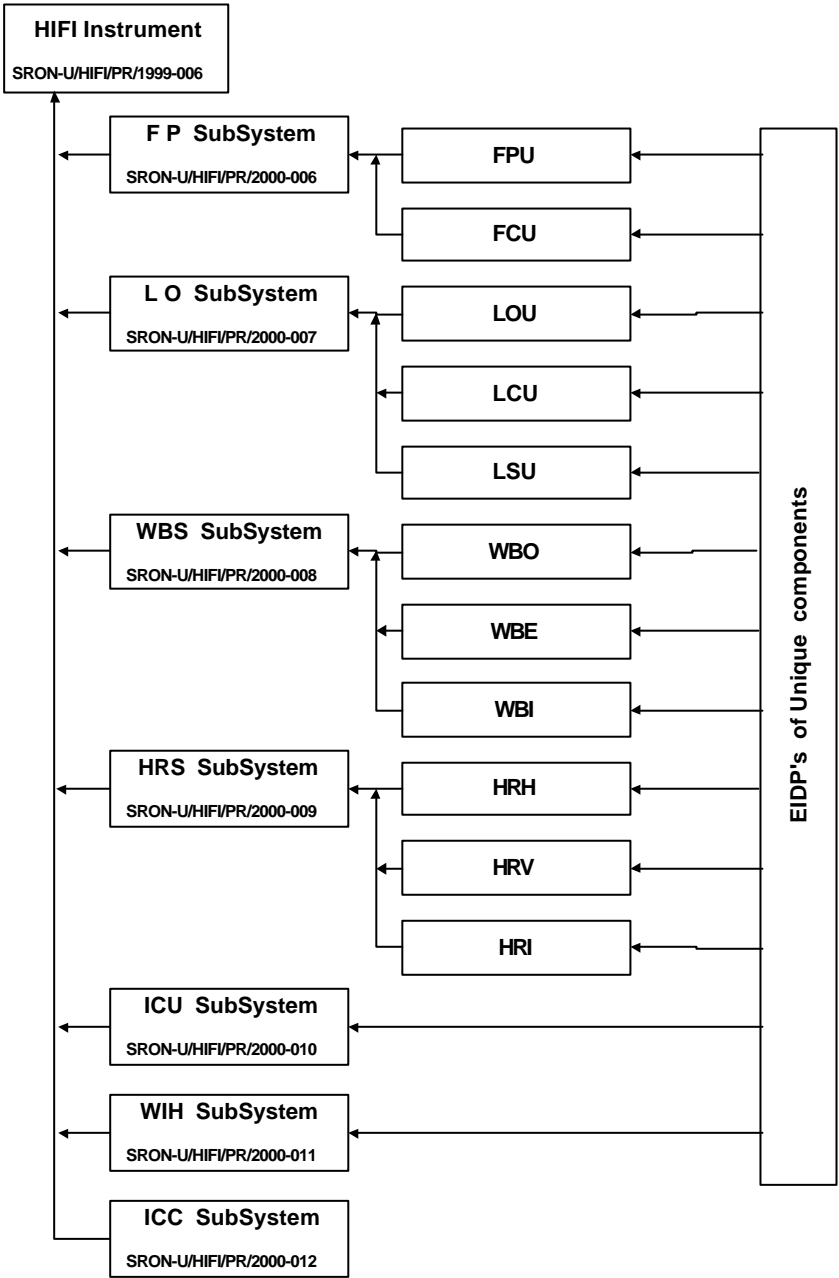


Figure 3.

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4 Flight model (FM)

Section :	Document title:	Document number:	Issue	TRRB	DRB
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Section :	Document title:	Document number:	Issue	TRRB	DRB
<u>1</u>	Contents			X	X
<u>2</u>	HIFI flight model EIDP logic			X	X
<u>3</u>	Minutes of meeting DRB.				X
<u>4</u>	Minutes of meeting TRRB			X	X
<u>5</u>	Certificate Of Conformance				X
<u>6</u>	ICU Unit CIDL			X	Update
<u>7</u>	ICU interface drawing			X	X
<u>8</u>	ICU top assembly drawing			X	X
<u>9</u>	Circuit diagrams			X	X
<u>10</u>	OBS CIDL.			X	Update
	OBS Design description			X	X
<u>11</u>	RFW's -Status list cat. 1,2,3,4.			X	Update
	-Copies category 1,2,3.			X	Update
<u>12</u>	NCR's -Status list cat. 1,2,3,4.			X	Update
	-Copies category 1,2,3.			X	Update
<u>13</u>	Declared EEE component list			X	X
	Declared materials list			X	X
	Declared processes list			X	X
<u>14</u>	ICU Test plan			X	Update
	OBS Test plan			X	Update
<u>15</u>	Test procedures				
	Such as:-Continuity			X	Update
	-Functional			X	Update
	-Performance			X	Update
	-Vibration			X	Update
	-Thermal Vacuum			X	Update
	-Physical properties			X	Update
	-OBS acceptance				
<u>16</u>	ICU test summary report (or individual test reports)				X
<u>17</u>	Unit logbook			X	Update
<u>18</u>	Sub system VCM			X	Update
<u>19</u>	ICU. Qualification Status List (including OBS)			X	Update
<u>20</u>	Packing/Handling and transport Procedure.			X	X

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4.1 Components uniquely designed and manufactured for HIFI.

For the deliveries of unique components within HIFI the following guidelines are defined.
The data is considered to be non-deliverable to ESA

4.1.1 Components produced under HIFI-PID

The data as presented are to be submitted per individual component.

Section :	Document title:	Document number:	Issue	Remarks:
<u>1</u>	Minutes of meeting acceptance review.			
<u>2</u>	Certificate Of Conformance			Incl. component Serial nr. Relevant to serial.
<u>3</u>	PID cover sheet			
<u>4</u>	RFW's -Status list cat. 1,2,3,4. -Copies category 1,2,3.			
<u>5</u>	NCR's -Status list cat. 1,2,3,4. -Copies category 1,2,3.			
<u>6</u>	Test data			
<u>7</u>	Packing/Handling and transport procedure.			

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4.1.2 Unique components produced without a PID.

The data as presented are to be submitted per individual component.

Section :	Document title:	Document number:	Issue	Remarks
<u>1</u>	Minutes of meeting acceptance review.			
<u>2</u>	Certificate Of Conformance			
<u>3</u>	Component CIDL			Relevant spec. and manufact. documents incl.
<u>4</u>	RFW's -Status list cat. 1,2,3,4. -Copies category 1,2,3.			
<u>5</u>	NCR's -Status list cat. 1,2,3,4. -Copies category 1,2,3.			
<u>6</u>	Declared EEE component list Declared materials list Declared processes list			PMP list may be Supplied once if not changed.
<u>7</u>	Component Test plan and procedures			
<u>8</u>	Component test data			
<u>9</u>	Packing/Handling and transport Procedure.			

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5 HIFI Avionics model (AVM)

The data for the AVM will be collected during the AVM program.

A TRRB prior to testing is not foreseen.

5.1.1 Instrument Control Unit (ICU-DM)

Section :	Document title:	Document number:	Issue	Remarks:
<u>1</u>	Contents			
<u>2</u>	Minutes of meeting DRB.			
<u>3</u>	ICU design description ICU Unit CIDL			
<u>4</u>	ICU interface drawing ICU top assembly drawing			
<u>5</u>	OBS Design description OBS CIDL.			
<u>6</u>	ICU / OBS Test plan			
<u>7</u>	Test procedures Such as:-Continuity -Functional -Performance -OBS acceptance			
<u>8</u>	ICU test summary report			
<u>9</u>	Packing/Handling and transport Procedure.			

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6 Qualification Model ICU.

The ICU subsystem is considered to be built as qualification model. The data package is identical to the flight model except the qualification status list is not included.

7 Unique Components for qualification purpose

The End Item Data Packages shall be identical as for the flight model.
The data is considered to be non-deliverable to ESA