

**ACIS Verification Summary Report**

<b>Specification:</b>	AXAF Observatory to Science Instrument ICD (IF1-20)
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<b>Requirement Number/Title:</b>	3.6.1.1.1.2 (2) Command Formats (VRSD 3.6.1.1.1.2 (2))
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<b>Requirement Statement:</b>	ACIS load tables shall not exceed 512 bytes.
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<b>Verification Method:</b>	Demonstration
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<b>Procedure Number:</b>	
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<b>Configuration:</b>	
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<b>Cycle Time:</b>	
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**Verification Discussion/Results:**

Table loads did not exceed 512 bytes as verified by correct operation at XRCF.

  
 ACIS Cognizant Engineer

5/30/97  
 Date

Element:  
ICD/ACIS

Requirement Number:  
3.8.1.1.1.2 (2)

Verification Item:  
3.8.1.1.1.2-(2)

Requirement Title:  
Command Formats

AXAF-I-  
Verification  
Requirement  
Compliance Data  
Submittal

Evaluators:  
SW, OPS

Type of Review:  
 Verification Item Closure  
 Requirement Closure

Compliance Date/Location:  
MA-223/36.01520.070/Bldg 4200 Rm 522 (Closure Report)

Verification Method  
Review of Design

Comments:  
ACIS (DPA) hardware has a command FIFO which can handle up to 256 16-bit words. The practical minimum is three words.  
The first word in the table specifies the size of the table load.  
Note: Req't is "shall not exceed 512 bytes".  
Ans is "does not exceed 512 bytes".  
The rest can be found in the DPA Hdw Description 36-02104  
William Mayer 7/14/97

Status

Open 6/9/97 due 6/27/97

Recommendation:

Action Required for Closure:

- Approve
- Disapprove
- Other (Explain)

More documentation is needed in order to close this verification activity.

MSFC Evaluator:

Rhonda Schrimsher

Date:

8/24/97

Organization:

EB43

Phone Number:

544-3846

Disposition:

Action Required for Closure:

- Approve
- Disapprove
- Other (Explain)

Define why the software does not allow a table load to be more than 512 bytes. Is the table a fixed-length construct or does it vary? If it varies, what are the limits?

Chief Engineer:

Anthony R. Lavole

Date:

6/25/97