



**Aerospace  
Systems Division**

LUNAR MASS SPECTROMETER  
RELIABILITY LOGIC DIAGRAM

ATM-921

PAGE 1 OF 3


DATE 13 Nov. 1970

This ATM documents the basic Lunar Mass Spectrometer Reliability Logic Diagram and establishes responsibility for the reliability calculations for each block.

Prepared by

  
J. W. Cooper

Approved by

  
P. McGinnis  
ALSEP Reliability



**Aerospace  
Systems Division**

LUNAR MASS SPECTROMETER  
RELIABILITY LOGIC DIAGRAM

ATM-921

PAGE 2 OF 3

DATE 13 Nov. 1970

The following block diagram shows the interrelation of the various parts of the Lunar Mass Spectrometer for reliability purposes.

BxA will calculate the reliability of those blocks labeled "BxA", the University of Texas at Dallas will calculate the reliability of those blocks labeled "UTD". BxA will be responsible for the system reliability calculations from point (A) to (F).

The block diagram also defines the reliability functions for the purpose of FMEA's and Parts Application Analysis as required of UTD in ARD 459 C.

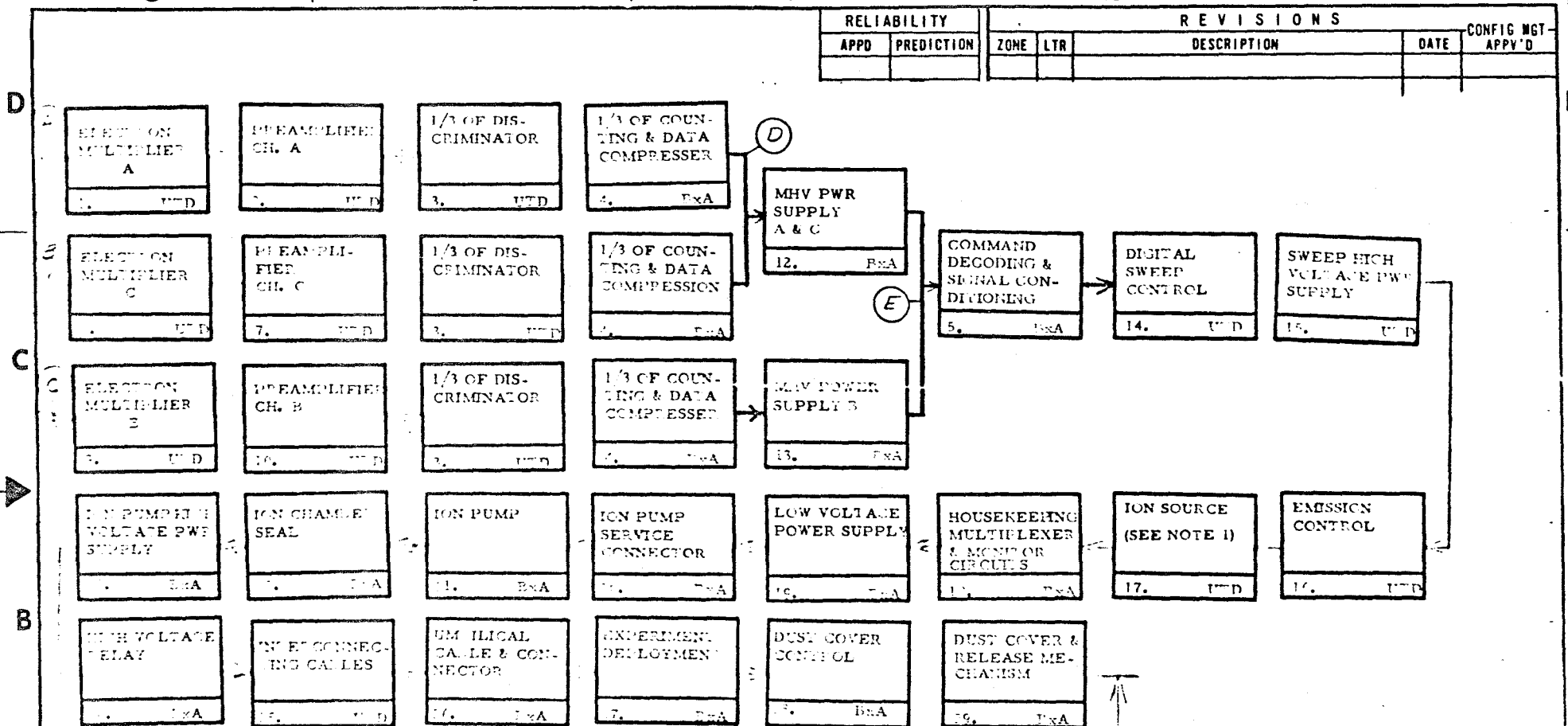
5

4

3

2

1



**PROPRIETARY NOTICE**

THIS DRAWING CONTAINS INFORMATION PROPRIETARY TO THE BENDIX CORPORATION AND OR ITS VENDORS AND SUPPLIERS. THIS DRAWING MAY NOT BE DISCLOSED TO OTHERS FOR ANY PURPOSE NOR USED FOR MANUFACTURING PURPOSES WITHOUT THE WRITTEN PERMISSION OF THE BENDIX CORPORATION.

NOTE 1: INCLUDES ION ACCELERATOR PLATES, DEFLECTION MAGNETIC, AND SUPPORTING STRUCTURE TO THE ELECTRON MULTIPLIER (BOXES 1, 2 & 9)

DRAWING AND PART APPLICATION				UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES	CONTR. NO.		Systems Division Ann Arbor, Michigan	
PART NO.	NEXT ASSY	END ITEM NO.	SERIAL NO.		OF A/W	CHECKED		
				DECIMAL			TITLE <b>LMS RELIABILITY BLOCK DIAGRAM</b>	
				.X ±				
				.XX ±				
				.XXX ±				
DRAWING CLASS A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/>				FINISH		FINISH MICROINCHES RHR		SIZE CODE IDENT NO. DRAWING NUMBER <b>B 07038 ATM 921</b>
MATERIAL:						SCALE WEIGHT SHEET		