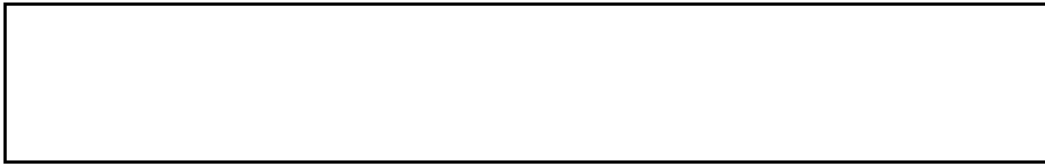


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11 February 1966

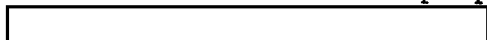
PROGRESS REPORT NO. 4

12/1/65 - 1/31/66

UNIVERSAL DATA BLOCK READER

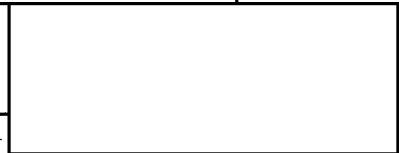
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This document has been prepared in accordance with the requirements of



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Submitted by:



Program Manager

DECLASS REVIEW by NIMA/DOD

1.0 SUMMARY

The major emphasis during this period has been placed in the following areas:

- a) Optical Design
- b) Logic Design
- c) Preparation of Logic for Fabrication
- d) Transport Test

Satisfactory progress has been made in each of the above areas. Minor problems were encountered in the read amplifier package. However, these have been cleared up and a go-ahead was given to the P. C. board manufacturer.

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The Customer was notified on January 28, 1966 that, based upon the latest estimates, Phase I of the contract will overrun by approximately . This is due mainly to the optical problem outlined in Progress Report No. 3 and the stretchout due to the delay in authorization of the ECP. It is to be noted that the ECP was bid prior to the uncovering of the optical problem. Therefore, at the time of award and prior to the beginning of work, the ECP was estimated to be in overrun.

2.0 PROGRAM SCHEDULE/MILESTONE STATUS

The major milestones completed during this period were:

- a) Logic Design, Original System
- b) Optical System Mechanical Design
- c) Transport Breadboard Test
- d) Logic Card Cage Procurement
- e) Power Supply Procurement

Milestones scheduled to be started and/or completed during the next report period are:

- a) ECP Logic Design
- b) Logic Wire Lists, Original System
- c) Logic Cage Wiring
- d) Logic Card Test
- e) Read Amplifier P. C. Board Procurement
- f) Special Cards Fabrication
- g) Read Amplifier Cards Fabrication

3.0 ENGINEERING CHANGE PROPOSAL

The Engineering Change Proposal ECP-135-1 has been received. Work has commenced on the logic design. Our lens facility has been authorized to proceed with all steps necessary to insure no slippage of the scheduled delivery. If no problems arise in procuring the necessary glass, the delivery schedule called for in the ECP will be met.

4.0 FILM TRANSPORT

The testing of the film transport has been completed. No major problems have arisen with the basic design. The only modification of importance that will be made is the pick-off point for the incremental encoder. It was originally felt that the encoder would be driven from the capstan shaft. Due to the fact that this roller is made of rubber and has a large diameter, the error build up was found to be too great. To improve this situation, the encoder will be driven from one of the small steel idler rollers which guide the film. The drag on the roller will be negligible since the encoder requires only 1-1/2 inch ovals of torque.

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Approved For Release 2002/06/17 : CIA-RDP78B04747A001500040065-1

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