

0xc-4621
COPY 2 OF 2

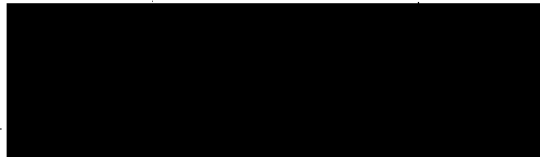
February 25, 1963
JH-M-514

Dear Joe:

We have been asked to prepare a P.I. Manual for the Type I System and have prepared the attached outline and done some preliminary work on this. We consider this to be a change in scope item. An estimate is presented below.

25X1A

Tech. Writing
Tech. Illustrator
Senior Engineer
Associate Engineer



Total Prime Cost
G & A at



25X1A

Total Cost
Fee

25X1A



Please call if you require additional information.

Charlie

CMH:jkh

Attachments

PHOTO INTERPRETOR'S MANUAL
FOR
Q-BAY PACKAGE 1A
(OUTLINE)

Section I. Description of Package

NOTE

Emphasis on those aspects of
system operation which affect
photo results.

- a. General Description
- b. Caging and Stabilization
- c. Camera Operation
 - 1. Scanner Drive and Phasing (include V/H)
 - 2. Film Transport (include V/H and edge sensors)
 - 3. Capping Shutters
 - 4. Slit Mechanism
 - 5. IMC
 - 6. Data Recorder
 - 7. Timing Dots
 - 8. System Phasing
- d. Film Format
- e. Power Requirements
- f. Operational Parameters
 - 1. Film Travel Rates
 - Minimum V/H
 - Maximum V/H
 - 2. Effective Shutter Speeds

PHOTO INTERPRETOR'S MANUAL
FOR
Q-BAY PACKAGE 1A
(OUTLINE)

Section I: Description of Package

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Emphasis on those aspects of
system operation which affect
photo results

- a. General Description
- b. Caging and Stabilization
- c. Camera Operation
 - 1. Scanner Drive and Phasing (include V/H)
 - 2. Film Transport (include V/H and edge sensors)
 - 3. Capping Shutters
 - 4. Slit Mechanism
 - 5. LMC
 - 6. Data Recorder
 - 7. Timing Dots
 - 8. System Phasing
- d. Film Format
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- f. Operational Parameters
 - 1. Film Travel Rates
 - Minimum V/H
 - Maximum V/H
 - 2. Effective Shutter Speeds

Section 11 Flight Planning

- a. Camera Controls
- b. Exposure Settings (Latitude, Longitude, Altitude, Terrain, Altitude)
- c. Programming and Ground Coverage (Altitude vs. Lateral Ground Coverage?)

Section 12 Photo-Interpretation and Film Evaluation

a. Photo Interpretation

1. Frames per Mission (no partial film loads?)
Frames vs. Film Length
Frame Loss at Start-Up and Shutdown
2. Ground Overlap
Lateral
Direction of Flight - Two Camera
 - (1) Successive Left and Right Scans
 - (2) Left Scan and Second Next Right Scan
 - (3) Successive Right and Left Scans
 - (4) Right Scan and Second Next Left ScanDirection of Flight - One Camera
 - (1) Successive Scans (Same Camera)
 - (2) Alternate Scans (Same Camera)
 - (3) One Scan and Third Next Scan (Same Camera)
3. Ground Scale vs. Altitude

b. Film Evaluation

1. Image blur in direction of flight only.
2. Image blur in lateral direction only.
3. Image blur in both directions.
4. Data block blurred.
5. Incorrect frame spacing.
6. Picture out of focus.

Section II Flight Planning

- a. Camera Controls
- b. Exposure Setting (Latitude, Season, Time, Weather, Terrain, Altitude)
- c. Programming and Ground Coverage (Altitude vs. Lateral Ground Coverage?)

Section III Photo Interpretation and Film Evaluation

a. Photo Interpretation

1. Frames per Mission (no partial film loads?)
Frames vs. Film Length
Frame Loss at Start-Up and Shutdown

2. Ground Overlap

Lateral

Direction of Flight - Two Camera

- (1) Successive Left and Right Scans
- (2) Left Scan and Second Next Right Scan
- (3) Successive Right and Left Scans
- (4) Right Scan and Second Next Left Scan

Direction of Flight - One Camera

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