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ORD-0008-76

5 January 1976

MEMORANDUM FOR THE RECORD

SUBJECT: TCT Activities Regarding Bird Camera

This memorandum covers the period between 16 December 1975 and 5 January 1976 regarding the progress for developing and testing a bird camera. Requirements and program scheduling have been completed for the ultimate test at the in late April 1976. A TCT meeting was held in mid-December during which activities in the 16 December memorandum were discussed with the team members. the bird camera development schedule (attached) was At this meeting, the probable resolution on the ground was estimated to be about 1-1/2 to 2 inches per 100 feet of altitude, and it was further estimated that the bird would fly at an altitude of of MSD/IAS was about 100 feet. asked if this was adequate resolution for gathering meaningful intelligence. His estimate at that time was that it probably was adequate but he would study the problem in some detail and let me know if it was At this time, I have received no communication not. The issue of vertical versus from oblique angle for taking pictures was discussed, but no firm decision was made except that vertical is probably as good as any since the right and left edges of the picture will be about 30 degrees off the centerline even if the camera were pointed straight down.

2. Film has been ordered and received from Kodak.

This is a special high-resolution thin-based film designated as 3400 and 3414. The film slicer has been obtained from OTS; and a \$5,000 work order has been established for the purpose of using their photographic laboratory to slice film and process test samples of resolution charts, etc., for determining resolution and calibrating blurring due to linear motion of the camera. During the week of 5 January, several rolls of

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5. At this time, the camera development program is pretty much on schedule. It is estimated that preliminary flight tests on the West Coast will take place during the latter part of this month. The purpose of these tests

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is to take pictures of Air Force resolution charts placed on the ground whereby preliminary estimates of resolution and motion blurring can be determined.

> Charles N. Adkins Operations Technology, ORD

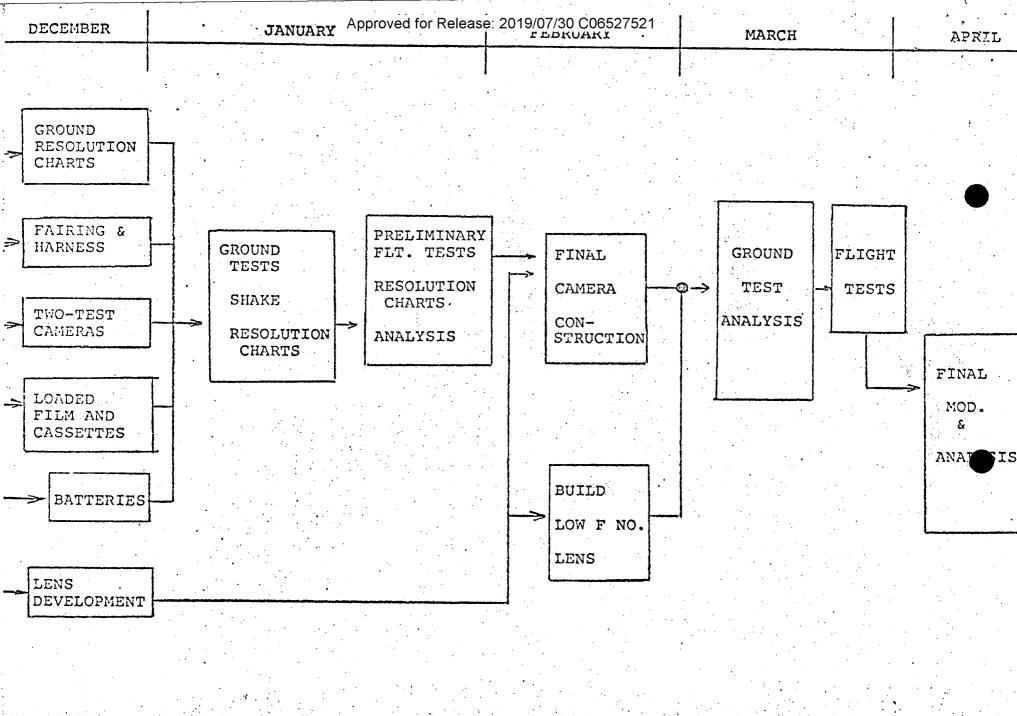
Attachment:

Camera Development Schedule

Distribution:.

- O C/OTD then file w/att
- 1 CEB/OTD Chrono w/o att
- 1 OTD/ORD Chrono w/o att
- 1 ORD Registry w/o att

OTD/ORD/DD/S&T/CNAdkins:kmc/2763



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