

**SECRET**

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**PRIORITY**

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FM CIA WASHDC

TO RUWGAA/HQS 2ND AF, BARKSDALE AFB, LA.

DA GRNC

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**S E C R E T**

CITE CIA-Z-768

THE FOLLOWING INFORMATION FROM THE NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER.

HFS	<i>[Signature]</i>
CJS	<i>[Signature]</i>
CPC	_____
PNS	_____
ACL	_____

Grace (File)

1. RECENTLY THE QUESTION OF TITLING WAS RAISED BY SAC DIMG. IN ORDER TO PROVIDE YOU WITH THE BASIC INFORMATION OF THE TITLING PROCEDURES FOR VARIOUS MODES OF CAMERA OPERATION GENERALLY ACCEPTED BY NPIC FOR "B" CAMERA PHOTOGRAPHY WE ARE TRANSMITTING THE FOLLOWING TO YOU FOR YOUR INFORMATION.

2. IN ORDER TO FACILITATE THE RAPID EXPLOITATION OF "B" CAMERA PHOTOGRAPHY BY THE P.I., THE FOLLOWING TITLING PROCEDURE HAS BEEN ADHERED TO IN PREVIOUS MISSION, AND ITS CONTINUED USE IS RECOMMENDED FOR SUBSEQUENT FLIGHTS. THE BASIS FOR THE PRESCRIBED TITLING METHOD IS THAT THE LAST DIGIT IN THE TITLED FRAME NUMBER BEARS A DIRECT RELATIONSHIP TO THE CAMERA POSITION AT TIME OF EXPOSURE. HENCE, THE P.I., BY MERELY NOTING THE LAST DIGIT IN THE TITLED NUMBER, IS COGNIZANT OF THE DIRECTION IN WHICH THE CAMERA WAS AIMED AT TIME OF EXPOSURE.

Declassification Review by NGA/DoD

**SECRET**

GROUP 1  
Excluded from automatic  
downgrading and  
declassification

3. THIS RELATIONSHIP OF FRAME NUMBER TO CAMERA POSITION IS ESTABLISHED BY TITLING THE FIRST VERTICAL FRAME AS "0000" FOR "B" CAMERA MODE I OPERATION. THE NORMAL FIRING SEQUENCE IN MODE I, UPON INITIAL START-UP WILL USUALLY PRODUCE A VERTICAL, 1R, 2R, 3R, 1L, VERTICAL 1R, 2L, 3L, 1L, ETC. WITH THESE FRAMES REPEATED THEREAFTER. THIS FIRING SEQUENCE PRODUCES TWO VERTICAL, TWO 1R, TWO 1L FRAMES; AND ONE 2R, 3R, 2L, 3L FRAME FOR EACH BLOCK OF TEN FRAMES EXPOSED.

4. THE RECOMMENDED TITLING PROCEDURE IS AS FOLLOWS:

IF THE FIRST FRAME EXPOSED IS A VERTICAL, AND IN CORRECT SEQUENCE, IT IS NUMBERED "0000"; THE 1R, "0001"; THE 2R, "0002"; THE 3R, "0003"; THE 1L, "0004"; THE VERTICAL, "0005"; THE 1R, "0006"; THE 2L, "0007"; THE 3L, "0008"; THE 1L, "0009"; THE VERTICAL "0010"; ETC. IN THE EVENT THAT THE FIRST FRAME OF THE MISSION IS A "1R", INSTEAD OF A VERTICAL, IT IS GIVEN THE TITLED NUMBER, "0001", AND THE SEQUENCE MAINTAINED THEREAFTER, AS PRESCRIBED ABOVE. AN EASY SOLUTION TO CORRECT TITLING IN THIS MODE IS TO FIND THE FIRST 2L POSITION AND TITLE THE FIRST VERTICAL FOLLOWING THIS AS 10. THIS WILL INSURE THAT THE SEQUENCE NOTED IN PARAGRAPH 4 BELOW WILL BE FOLLOWED. OCCASIONALLY THIS WILL CAUSE THE FIRST FRAME OF A MISSION TO BE TITLED OTHER THAN 0000 OR 0001, BUT THE ADVANTAGES OF TITLING AS INDICATED

OUTWEIGH THIS APPARENT DISCREPANCY.

5. BY ADHERING TO THIS INITIAL NUMBERING SEQUENCE FOR THE FIRST 10 FRAMES OF THE MISSION, A PRECEDENT IS ESTABLISHED WHEREBY ALL LAST DIGITS OF THE TITLED FRAME NUMBER REFER TO THE SAME CAMERA POSITION THROUGHOUT THE PHOTOGRAPHY.

THIS IS DICTATED BY THE FACT THAT:

ALL VERTICAL FRAMES END IN "0" OR "5"

ALL 1R FRAMES END IN "1 OR 6"

ALL 2R FRAMES END IN "2"

ALL 3R FRAMES END IN "3"

ALL 1L FRAMES END IN "4 OR 9"

ALL 2L FRAMES END IN "7"

ALL 3L FRAMES END IN "8"

6. THIS NUMBERING SEQUENCE CANNOT BE MAINTAINED, HOWEVER, IF THE USE OF MODE II IS EMPLOYED DURING ANY PHASE OF THE MISSION, AS THIS MODE UTILIZES ONLY THE 1R, V, 1L CAMERA POSITIONS. THEREFORE TITLING SHOULD BEGIN ON THE FIRST FRAME OF THE MISSION WITH 0001 AND BE CONTINUED CONSECUTIVELY.

7. LIKEWISE, MODE III AND IV DO NOT LEND THEMSELVES TO ANY SPECIAL TITLING SEQUENCE AND SHOULD BE TITLED IN CONSECUTIVE FRAME ORDER BEGINNING WITH FRIST FRAME OF THE MISSION.

END OF MESSAGE