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CHAL 0977-60

Copy 1 of 4

23 MAY 1960

MEMORANDUM FOR: Deputy Director (Plans)

SUBJECT: Proposed Reorganization for Project CHALICE

1. This memorandum contains recommendations for the approval of the Deputy Director (Plans). Such recommendations are contained in paragraph 7.

2. Operational Assessment

a. An assessment of the current deployment and utilization of Project CHALICE assets suggests that a more effective and profitable operational employment for accomplishing the primary mission is possible and desirable.

b. Due to its location, Base "C" has been unable to profitably contribute to the primary mission of photographic overflight. Only one overflight of the USSR has been flown directly from Base "C". Overflight coverage which has been accomplished has required staging operations from Eielson Air Force Base, Alaska and [REDACTED] 25X1B6c
[REDACTED] As is true of Base "C", there are no other suitable permanent bases in the Far East which would permit direct overflight of the USSR. In addition, the acute political sensitivity to Base "C" operations renders any operational activity from this location most uncertain.

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c. Conversely, Base "B" continues to possess many operational advantages in support of the primary mission and with relative immunity to political pressures. Additionally, its strategic location near European satellites, Middle East targets, and the southern periphery of the USSR afford the bonus advantage for photographic and electronic surveillance of these areas.

d. The CHALICE Stateside base will soon have completed its R&D programs. Upon completion of its R&D mission this base will no longer represent a profitable utilization of project assets within present operational concepts.

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3. Proposed Two Base Operational Concept

a. The foregoing discussion suggests the need for an operational concept which would more effectively accomplish the CHALICE mission and more economically utilize CHALICE assets. This can be accomplished with two permanent operational bases, one overseas and one within the Zone of Interior, both equipped to support staging operations using the "fast move" concept when feasible. Base "B" and the project ZI base best fulfill this requirement.

b. Base "B" would continue to be the primary operational base in that the greatest CHALICE intelligence requirement lies within its operational area. Stagings could be accomplished

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in the same manner or by the use of Base "B" mission aircraft with personnel and equipment augmentation from the ZI base as required.

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c. The ZI base would be the secondary operational base with the capability for independent staging operations within its assigned operational area. Stagings could be accomplished from Eielson Air Force Base, Alaska; [redacted]. The ZI base would possess the operational capability to accomplish far more over-flight coverage than is now possible from a permanent Far East base.

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d. The attached chart denotes radii of action at 70 thousand foot altitude from each of the aforementioned bases. This range could be increased on specific missions which can be planned using a split altitude profile.

4. Operational Equipment Requirements

a. Operational equipment requirements and proposed allocation in support of the two base concept are as follows: (Note that except for the recommended U-2C air refueling modification and for three J-75 engine installations, no new equipment need be purchased).

	<u>Base B</u>	<u>ZI</u>	<u>Total</u>
<u>Primary Aircraft</u>			
U-2C (slipped)	4	3	7

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	<u>Base B</u>	<u>ZI</u>	<u>Total</u>
<u>Special Equipment</u>			
B Configuration	3	2	5
A-2 Configuration	4	2	6
Tracker	4	3	7
<u>ELINT Equipment</u>			
System I	4	3	7
System III	4	3	7
System VI	2	1	3
System VII	1	0	1
<u>Other Equipment</u>			
Granger Box	2	2	4
Ball Sampler	2	2	4
Filter Hatch	2	2	4
Weather Package	1	1	2
<u>Support Aircraft</u>			
T-33	2	2	4
C-54	2	0	2
C-47	0	1	1
U-3A	0	1	1

b. This equipment requirement represents a substantial reduction of current hardware inventory. The most significant equipment reduction is the removal of all J-57 equipped aircraft from the inventory. It is envisioned that these aircraft could be transferred to the [REDACTED] to accomplish the complete coverage of the China Mainland. This subject will be treated in a subsequent paper.

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5. Personnel Requirements

a. The personnel requirements in support of the two base concept would likewise be considerably less than the manning totals now maintained. Only a small percentage of the personnel which are presently assigned to Base "C" would be required to augment the ZI Base to achieve the required operational capability there. In general terms, the overall personnel requirement would be that number

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required to support two operational bases which in addition possess a staging capability. [REDACTED] requirements would be reduced from the present 16 to 10.

6. Finance

a. With the closing of Base "C" and thru the reduction of personnel and equipment commensurate with paragraphs 3. and 4. above, substantial savings will accrue. It is estimated that an annual savings in excess of [REDACTED] will be realized of more than 8% of the current CHALICE budget of approximately [REDACTED]. Initially, however, increased expenditures will be incurred as a result of relocation of equipment and personnel from Base "C", terminal leave pay for personnel to be released from the Project, and for facilities improvements of the ZI base, if required.

7. Recommendations

It is recommended that the following actions be taken as indicated:

a. Organization:

- (1) Phase out Base "C" by 1 September 1960.
- (2) Establish proposed operational capability at Base "B" and ZI base by 1 September 1960.

b. Personnel:

- (1) Freeze Base "C" personnel actions immediately.
- (2) Reduce [REDACTED] strength to ten as soon as possible.

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c. Equipment and Materiel:

- (1) Modify required U-2 aircraft to J-75 configuration.
- (2) Modify all CHALICE U-2C aircraft for air refueling capability as soon as possible.

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[REDACTED]
Colonel USAF
Acting Chief, DPD-DD/P


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* **Recommendations**
approved subject to
provisos and reservations
in memorandum, Chal-0997,
dated 24 May 1960, fm DD/P.

The recommendations contained in
paragraph 7 are approved:


Richard M. Bissell, Jr.
Deputy Director (Plans)

Date: 24 May '60

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DPD/COPS/ph (23 May 1960)

Distribution:

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