

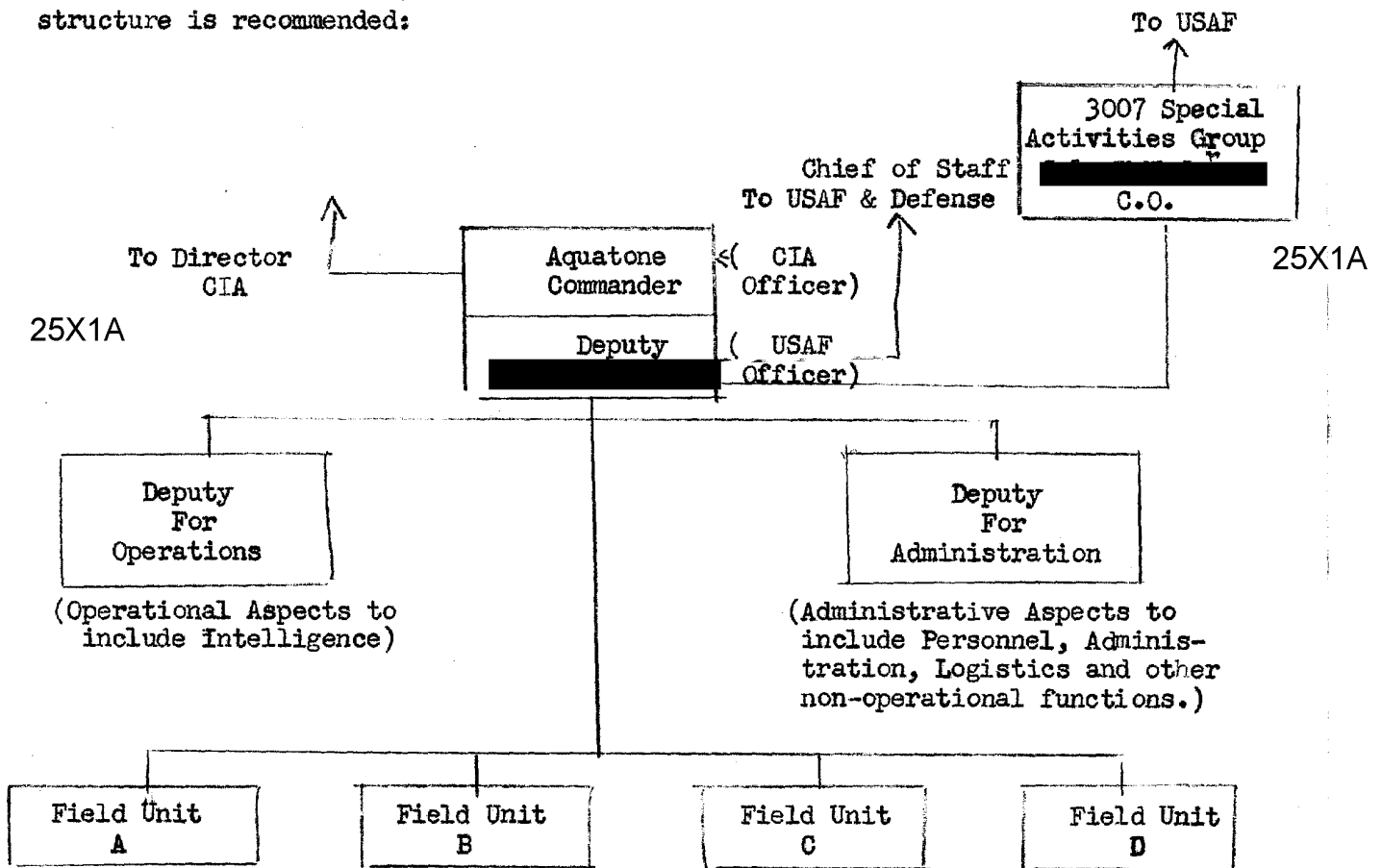
AQUATONE

Organizationally Aquatone must:

1. Accommodate to the Joint interests of CIA and the Air Force.
2. Take full advantage of the specialized resources and capabilities that both CIA and the USAF bring to the project.

In its present air operations CIA relies heavily on USAF facilities.

However, Aquatone differs from other CIA operations in that each field air section must be responsive to a single point of control. The following structure is recommended:



The Aquatone Commander together with his Deputy and Staff constitute the Aquatone Headquarters. This should be located at an Air Force Base near Washington, such as [REDACTED].

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The Aquatone Commander will receive his instructions from the Director of CIA and will give direction down to the Aquatone organization. Secondly, he will provide a central point for liaison up on matters which, in addition to his general policy contact with the Director of CIA, pertain to such matters as tests, modifications, and logistics.

In these external contacts the Aquatone Commander will represent the Director of CIA and Chief of Staff, USAF in contacting the several arteries on which Aquatone partially depends.

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The Aquatone Deputy Commander will command the [REDACTED] which is the Air Force organizational structure utilized for assignment of personnel to Aquatone. Air Force orders will assign personnel to the [REDACTED] will detail personnel to Aquatone Headquarters or to Field Units A through D. (This is merely an administrative arrangement to facilitate orderly handling of Air Force personnel.)

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The scope and the inherent inter-relationships in Aquatone dictate that an

operational concept be developed and that preliminary Planning be initiated in the near future.

As Aquatone embraces Joint responsibilities which tend to contribute to the fundamental complexities of the project, the Planning team should represent both the Agency and the service involved.

Initial task of the Joint Planning Team will be to develop an Operational Concept for submission to Director of Central Intelligence and to the Chief of Staff. This, in turn, should be followed by a Joint Outline Operational Plan. This Joint Outline Operational Plan will be basic to the development of the organizational structure on which CIA Personnel and Equipment requirements can be computed tentatively, as well as the Personnel and Equipment requirements of the service.

In connection with this Planning exercise, two fundamentals must be stressed:

(1) As Aquatone endeavors to reach to near ultimate performances, many factors emerge as critical in importance. As a result of the scope and the complexity of both the technical and operational phases of Aquatone, there are more highly critical factors than in less ambitious and more common place undertakings that rely for success on gradual and sequential advances.

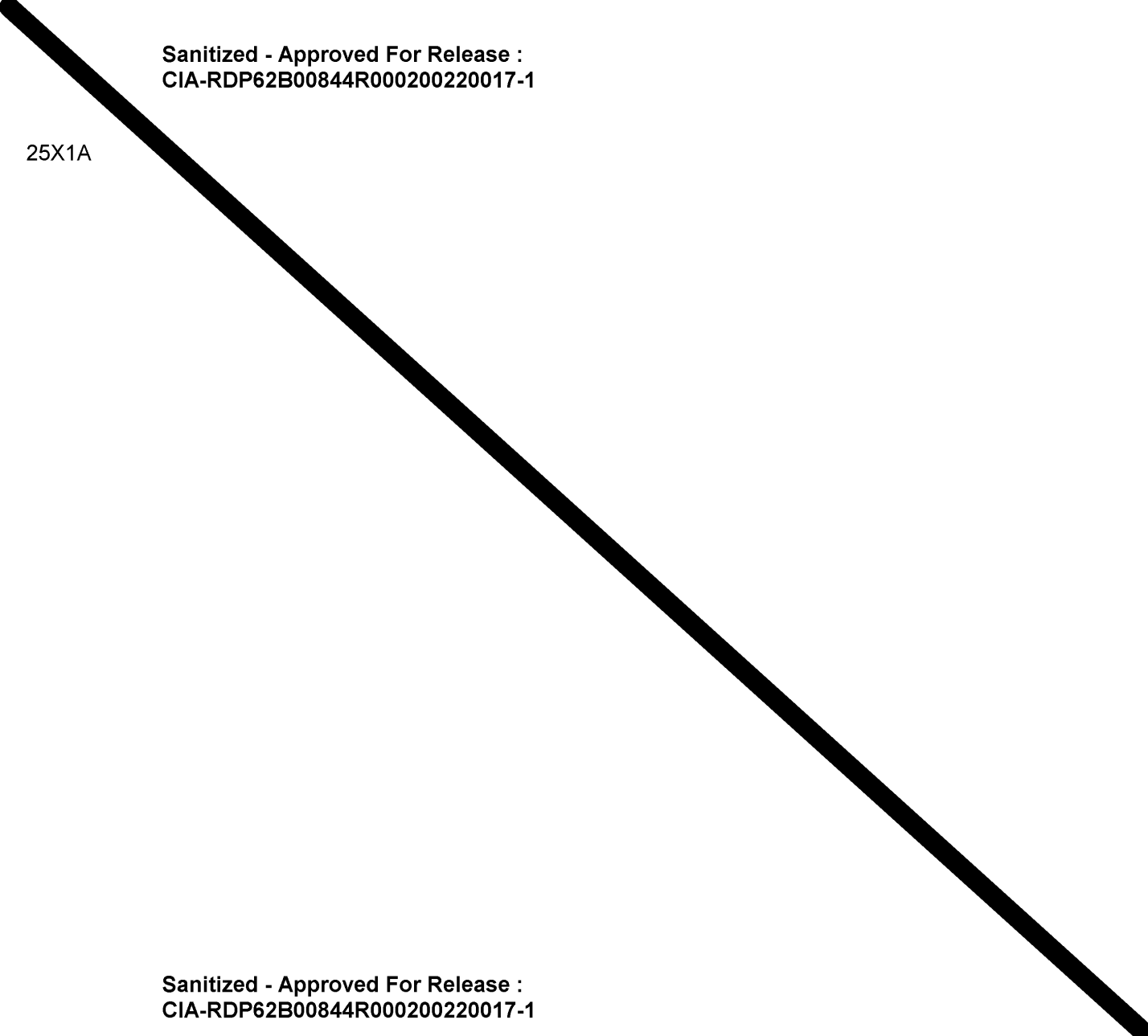
(2) The criticality of these several factors is highly inter-related. One cannot be considered without careful consideration of virtually all the others.

The Planning exercise is the means of achieving the required orderliness in considering Aquatone. It is especially important due to the high degree of inter-relationships that prevail, as mentioned in (2) above. It is also a useful routine in that, if accomplished properly, it should relieve the assigned responsible officers of some detail and should allow time for consideration of policy matters. It is accepted that the Planning is tentative, that it must be submitted periodically to the responsible parties, and that many changes will

emerge before an Operational Plan is developed.  
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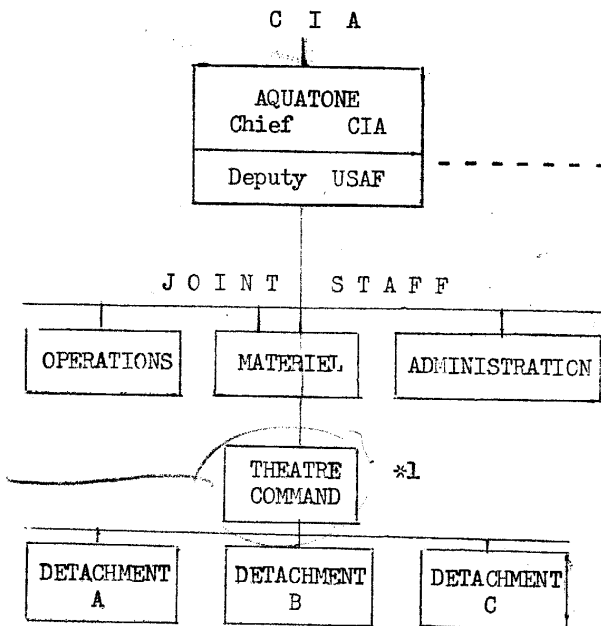
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SECRET



\*1 - A small Theatre Headquarters to command and coordinate operations in the field. It will be absolutely necessary to have some small authoritative group than can effect the necessary coordination with the appropriate Theatre Air Commander 25X1A to obtain the necessary support.



PLAN A

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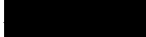
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**PROJECT AND SUB-PROJECT**

**CRYPTO KEY**

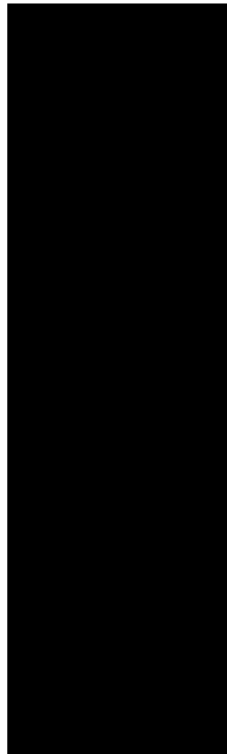
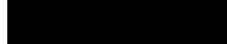
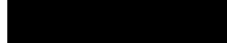
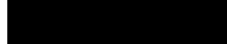
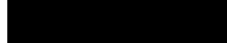
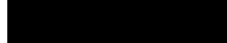
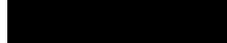
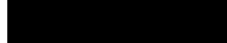
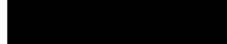
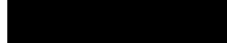
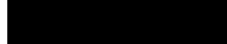
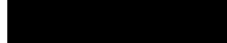
1 **AQUATONE**

2 **OARFISH**

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4 **EQUINE**

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17 **OILSTONE**

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JUN 2 1955

Question

Recommendation

What is the status of D/GP personnel in the project organization structure?

A definite position having defined responsibilities should be assigned for the period of planning and preparation with additional responsibilities being delineated for the "utilization" phase of the project.

\* What are the primary responsibilities of the [redacted]

25X1A

Provide technical advice on all problems affecting the photo interpretation aspects of the project. Provide support in the preparation and reproduction of graphic material for other sections.

How will personnel be assigned?

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Personnel will be assigned on a full time duty basis but only on temporary basis for official personnel assignment purposes. [redacted] as a continuing mission of supplying specialized personnel for special projects and should official transfer of personnel from the division occur in all such cases it would be extremely difficult to maintain its proper internal organizational structure.

\* What is the organizational structure and what are the proper command channels?

What type support will be furnished during photographic test runs?

Aid in preparation of flight plans simulating those of areas of interest as to general vegetation and size of towns used for orientation purposes. Prepare the plans to include coverage of typical areas and installations. Prepare plans to obtain proper information for use in developing a refractive index. Evaluate photography as to its capabilities for interpretation at various ranges with the various focal length cameras. Provide personnel for immediate plotting of photography for use in navigation evaluations.

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Question

Recommendation

What type support will be furnished the overseas units when in operation?

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Assuming that the charting camera film will be immediately processed, at least [redacted] photo interpreters capable of accurate rapid plotting will be required. This will require advance study of all maps of the area and of other available graphic material.

Responsibility and type of support to be furnished in determination and weighting of targets. What other available sources exist for additional target information

Presently available targets are plotted. In general, the major target complexes occur in city areas which could generally be weighted according to size. Special targets, such as airfields and test ranges would receive individual attention. A final factor will be that of availability due to weather conditions as targets in areas of low availability should possess relatively high priority. The major portion of presently indicated targets were not designated for the contemplated type of intelligence collection.

What is Eastman's responsibility in the following phases:

- (a) Processing
- (b) Film duplication
- (c) Film delivery
- (d) Print production
- (e) Indexing and plotting
- (f) Rectification equipment

- (a) The film should be processed to produce maximum quality.
- (b) A duplicate positive and one duplicate negative should be prepared.
- (c) All film will be delivered to point of utilization with possible separate shipment of originals and duplicates.
- (d) Delivery with negatives of one or two sets of prints.
- (e) Indexing and plotting, outside of overseas activity to be carried out at photo interpretation plant. This will entail only a small additional delay but will then be carried out where easy access will be available to all sources of map material. If carried out at Eastman it will require development of large map libraries and still not provide all available reference material.
- (f) Rectification equipment suitable to ~~the photo interpretation plant~~ the photography should be available at the photo interpretation plant. The interpreters would be furnished on an equal basis by CIA, Army, Navy and Air Force with smaller representation by interested agencies such as [redacted]

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Who will furnish personnel for interpretation plant.

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[redacted] The lab personnel would be composed of all civilian personnel [redacted] "housekeeping" difficulties.

- 3 -

Question

Who will establish standard  
for utilization of material?

Recommendation

We will prepare draft listing major  
suggestions and circulate for approval  
or alteration.