

### TOP SECRET DATE:

ac gryho/60

15 October 1960

MINICIANIEM FOR: Deputy Director (Intelligence)

SUBJECT:

Status of Suided Missiles Task Force Research

This memorandum transmits a summary report of the research activities of the Gaided Missiles Task Force during its first six members of operation. The attached report also presents an appraisal of the current status and outlook for this activity so that you and other semior officials of the Agency may have our views concerning the prospects for solution of the long-remps missile problem. The fact that we have not achieved and cummot yet muticipate major breakthroughs has further increased our sense of urgancy in seeking solutions to this critical problem.

HR70-14

Chief, Guided Missiles Task Force, DD/I

Distribution:

Orig. and 1 - Addressee

✓1 - AD/RR

1 - AD/SI

1 - AD/CI

1 - Ch/OD/08I

1 - Ch/T

Ch/T/RR

whx (x4291)

HR70-14

TOP ENCIRE DAILY

## THE TREES GOT

0 07740/60

# SAVINE OF STREET STREET, SAVE STREET, COURTS STREET, SAVINGS

## Beerlyn Giestives

Awring its first six months, the Thek Force has undertaken a allowation of research which has as its principal objectives: (1) the ships and interestive of adequate personnel resources and their integration into an effective research town on the problems of production and deployment of long-range ballistic missibles; (2) a more intensive freewing of the research effort on the substantive areas most likely to yield definite results; (3) assuremone that all evaluable evidence is being thoroughly and systematically exploited; and (4) development of new approaches to both research and collection objectives: (1) the

## Personal Trademont

The Task Force has made the sajor community contributions to two comprehensive assessments by GMAIC of missile production and deployment facilities and has published a mamber of other reports, some of which were previously in process in ORA.

# Stand Margarts on ICM Production and Deployment Pacifities

The production study, prepared primarily by the thak Force, tion. The semilar summary skill; report on EUR production. The semilar summary skill; report on EUR production. The semilar production on every predection facility which may member of the intelligence community remined as a possible ballistic electic producer. The deployment study up-dated and extended as escaling tracking to review to the earlier regard, and assessing in the data on a number of additional locations. It was possible to identify somethat while earlier regard, and assessing in the facility or an operational long-range missile site, nor was new evidence developed to indicate the current pace and these studies of Seviet missile programs. On the other hand, these studies have continuing value because they drew upon the information holdings of the entire community and have provided for the first time a common date base for further research and easilysis.

## 2. Orresum of Frigrity Deployment Areas

One of the most controversial problems NIE 11-8-60 is whether the intelligence on

TOP SPICEOF DARK

### TOP SHEET DAUNT

sa 07740/60

evidence of ICM deployment signifies the ebsence of a substantial Soviet program or merely reflects Wastern inability to detect the program with current collection means. On the basis of research done by the Geographic Research Area of CMM and FIG, the Task Force program a survey of coverage of the most likely ICMM deployment areas of the USSR by all photographic and observational collection media. This study conscioned that the coverage had been inadequate to insure that even a sizeable Soviet program in its early stages would mecessarily have been detected.

### 3. Marashchev's Statements

An emalysis has been published of the meaning of Khrushchev's statements on the production status of the Soviet IUSM in terms of the normal usage in Soviet industry of the terminology he employed.

### Management of Missile Production

A report has been completed tentatively identifying an organization which may play a major role in the industrial management of the Soviet missile program.

### 5. Collection Guidance Material

The Yack Force has distributed a target study and collection guide on one of the few identified ballistic missile production facilities, as well as a comprehensive, two-volume handbook on missile intelligence for the guidence of field collection personnel throughout the world.

### 6. EER 11-8-60

The Task Force provided extensive support to the Board of Matienal Estimates in the preparation of MIE 11-8-60.

### Reports in Process

The Sank Force has under very reports covering a wide range of approaches to the missile problem, including a number which employ new or intensified research techniques. Several of these reports are mearing completion and will be published in the next few menths.

### ME SECURI DANS

ac 07740/60

### 1. Deployment Site Studies

These studies deal with the most highly suspect locations of operational missile sites in the USGE. For each location all swellable information bearing directly or indirectly on the libelihood of missile deployment will be presented and assessed, and the most definite possible conclusion will be drawn. These studies will be more detailed and thorough than the presentation contained in the CMAIC deployment reports discussed above; however, the evidence may not support a positive identification in any case.

### 2. Mescow Prototype Production Vacilities

A similarly detailed analysis of the major ballistic missile prototype production centers in the Moscov area is in the first draft stage. Although unlikely to provide direct evidence of the current pace and magnitude of Soviet longrenge missile programs, this study is expected to improve our understanding of the nature and timing of the early stages of each of these missile systems.

### 3. Perlament Concepts

An effort is being made to deduce in detail the most likely configuration and method of operation of deployed Soviet IGMs and ERMs sites, using knowledge of the test ranges, probable missile characteristics, U.S. analogy, and an expected contribution from ETL. Although there are serious data limitations and a large number of variables involved in this problem, these projects may yield conclusions which are sufficiently firm to assist in both the collection and analysis phases of the site identification effort.

### 4. Integrated Measons System Analyses

By viewing each of the Soviet long-range missile programs as a whole, from development through operational deployment, as well as the interrelationships between programs, it may be possible to marrow the range of community estimates on the status of the programs. As a minimum, this research should establish the internal consistency of our estimated programs and indicate in some detail what activity must have taken place in each program to achieve the various estimated levels of operational capability.

### TOP SUCRET DAUGT

se 07740/60

### 5. Profuetion Methodology

In ever to exploit rapidly future information which identifies one or more EUM serial production facilities, the Sank Force, with assistance from UEL, is developing a methodology for estimating the production capacity of a final assembly plant, and for determining the effect on capacity of the more important variables.

### 6. Eminitation of Paotographic Materials

In addition to priority exploitation of available photographic materials on all specific target locations and a general search for direct indicators of missile activity, the Tank Force is providing guidance to FIC for a systematic establing and analysis of facilities in priority deployment areas for which no function has been identified. The purpose of this project is to eliminate as many of these installations as possible from further consideration as missile facilities and to determine whether there is any pattern or other indication that the remaining installations could be operational missile sites.

### 7. Machine Processing

The Thak Force has acquired sixeable date holdings in two specialised fields:

Seviet orders of technical books and journals from the Nest, which may yield the identity of Soviet organisations participating in the missile program. Because of the volume and employing in the missile program. Because of the volume and employing of this material, machine data processing methods will probably be required for full exploitation. The Tank Perce is working with a representative of the ID/I Automation Staff to develop a program for machine exploitation of the best order material and has made arrangements with the Staff for expert assistance in developing a similar program for the sirflight data as soon as the necessary additional material is received from MIA.

### Americal

1. The fermation of the Task Force has effectively separated the problem of the production and deployment of Soviet long-range missiles from less argent research and has allocated adequate personnel resources to this priority problem. Moreover, it has improved limited and occurrention with other community components.

TOP SUCKET DAILED

### TOP SECRET DANKE

**80 07740/60** 

- 2. As a result, the research now under very in the Tank Force will provide a greater assurance that no significant current evidence or method of exploitation has been overlooked.
- 3. However, the quality and quantity of information now available and oursently being received continues to be inadequate to meet U.S. national security requirements because it provides no direct basis for estimating the pace and magnitude of Soviet long-range missile programs.
- 4. The most critical immediate need is to identify and determine the physical characteristics of an operational ICBM site. This would familitate the search for additional sites by both collectors and analysts. It would also provide a basis for estimating the emplayity and effort involved in the deployment program and an indication of the pase and size of the program.
- 5. Regains data limitations, the research of the Tank Force is clearly advancing our knowledge of a number of specific aspects of Seviet long-range missile programs.
- 6. Current Tank Force research is improving our ability to exploit new information as it is reserved.

Ch/T/ORE			(xA291)
15 Octob	er 19	60	

HR70-14