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TCS#021/68

HANDLE VIA TALENT/KEYHOLE
CONTROL SYSTEM

USIB-D-46.2/4
(COMIREX-D-15.8/1
28 March 1968
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UNITED STATES INTELLIGENCE BOARD

MEMORANDUM FOR THE UNITED STATES INTELLIGENCE BOARD

SUBJECT : Plans for Use of TALENT/KEYHOLE Data by the
United States Geological Survey

1. The attached memorandum on the subject from the Chairman, Committee on Imagery Requirements and Exploitation (COMIREX) is circulated for Board consideration of the recommendations in paragraph 3.

USIB ACTION REQUESTED

2. Board Members are requested to advise the Secretariat of their concurrence in or other views on the COMIREX recommendations in paragraph 3. of Mr. Tidwell's memorandum by close of business 4 April 1968.

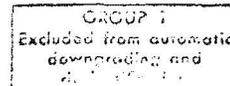
James S. Lay, Jr.
JAMES S. LAY, JR.
Executive Secretary

Attachment

HANDLE VIA TALENT/KEYHOLE
CONTROL SYSTEM

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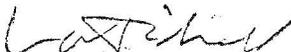
MEMORANDUM FOR: United States Intelligence Board

SUBJECT: Plans for Use of TALENT-KEYHOLE Data by
the United States Geological Survey

1. Following several meetings with USGS officials of the Department of the Interior, there is a fairly well-advanced plan to use KEYHOLE photography to update maps of the National Topographic Map Series. The area in question is the continental United States excluding Alaska.

2. Attached for the information of members is a report from the Mapping, Charting and Geodesy Working Group of COMIREX which provides some details as to the facilities, what is involved in the program, and what will be involved in developing the program for the next few years. Preliminary exploration of the ability to receive and sanitize KEYHOLE photography within a secure compartment looks as though this aspect would not be a problem. It is the intention of COMIREX, however, to work closely with the Army Map Service and insure that as the first material is received and steps for sanitization are initiated all the problems are thoroughly understood so that there will be no hazard to security.

3. It is recommended that the Board give general approval to USGS receipt of KEYHOLE photography of the United States, excluding Alaska, in order to sanitize this material, to update maps of the National Topographic Map Series, and to serve certain other needs of the USGS. In granting approval it is recommended that the Board charge COMIREX with the responsibility for monitoring the program as presently outlined and for insuring that additional uses of KEYHOLE photography, as suggested by USGS, are carefully examined and evaluated before any further USGS action.


William A. Tidwell
Chairman

Committee on Imagery Requirements and Exploitation

Attachment
Tab A

An extract from MCGWG-M-29, dated 19 February 1968, DIA-TCS 657129-63

"Plans for Use of TKH Data by US Geological Survey

"4. Mr. W. Sibert of the Topographic Division of the US Geological Survey from the Department of the Interior, presented plans for developing a capability to utilize TKH data and described the USGS production plans with highlights as follows:

"a. The USGS is working toward a 1 July opening date for a secure MC&G facility at Reston, Virginia, with 23,000 square feet of working space. The building is being adapted for M-4 plotters with respect to ceiling height and has features that will permit isolation of vibration and proper air handling. The USGS had received extensive assistance from [redacted] of the CIA with respect to security aspects of the new facility.

"b. It is intended that 50 personnel will be ready to occupy the new facilities as of 1 July. Presently, the Department of the Interior has 100 billets total and 50 of these are set aside for the new operational facility at Reston. Personnel are being taken from present GS roles, and they are now looking for 35 new personnel for assignment to this facility. Key people to work in this facility have already been oriented or trained at AMS and ACIC. Present plans call for about 80 operational people in the new facility in the second year and in 5 years, 115 to 120 personnel.

"c. All equipment needed for the Reston facility is either on hand or being purchased. The USGS does not plan to buy a Gamma rectifier, but has made arrangements with DIA and Army to have rectification work done at AMS.

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"d. USGS plans for use of KH-4 data pertain to the conterminous United States. Initial production will embrace revision of the 1:250,000 maps of the US, extending over an 8-year period. It is planned that 60 sheets be revised the first year and 80 the following year. In addition, it is planned to update about 600 1:24,000 maps per year from the KH-4 photography after the first 4 or 5-year period. This work would comprise making manuscript corrections and sending the compilation for finishing purposes to the regional offices of USGS. Generally, the equipment that will be used in the first few years will be M-4s and B-8s. Some discussions have been carried on with the Department of Agriculture and the Coast and Geodetic Survey relative to work that may also be done at Reston.

"e. USGS has obtained from AMS indexing activity the existing KH-4 coverage in the conterminous US. This coverage amounts to roughly 65% of the US area and has been related to specific 1:250,000 map areas. The USGS has also requested DIA to provide information and means for providing high altitude U-2 6-inch focal length photography for revision purposes. This should be useful in filling holes in KH-4 photography coverage.

"f. Mr. Sibert presented the USGS general requirements for KH-4 coverage in the US. It was indicated that the NRO test photography which accounts for most of the coverage presently over the ZI would provide part of the data needed, but probably could not be expected to be responsive to the USGS revision programs. It was indicated that the GS wanted to plan their revision work such that the photography used would be no older than 3 years and there are some limiting specifications which would be made available. Generally, the GS plans to divide the US into 6 regions by priorities, and would like to have this covered over a period of 5 to 8 years. Discussion resolved that careful planning with NRO should try to obtain complete coverage in the areas that GS planned to revise but on the other hand, should recognize the collection in advance should respect the 3-year outdated aspect and generally be guided by the USGS planned program for utilization."