

~~(S)~~ NATIONAL RECONNAISSANCE OFFICE

WASHINGTON, D.C.

THE NRO STAFF

21 August 1974

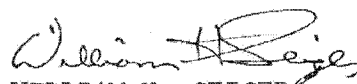
WORKING PAPERS

MEMORANDUM FOR BCO, NASA

SUBJECT: NASA Catalog of Developed Satellite Hardware --
Housekeeping Subsystems

The attached NASA correspondence requests information on the Terrain Surveillance Satellite (P-95), which equates to some segment of the HEXAGON Program and should not appear in non-BYEMAN communications identified as surveillance or reconnaissance related. Requests for any data pertaining to HEXAGON should be sent only to this office.

Request appropriate corrective action be taken to preclude a recurrence of such requests.

WILLIAM H. GEIGER
Major, USAF
Dep Assistant for Security

cc: Program A

*I queried Floyd Sweet on status
of this matter on 9 Sep 74/RLH*

WORKING PAPERS

HEXAGON

HANDLE VIA
BYEMAN
CONTROL SYSTEMCLASSIFIED BY BYEMAN - 1 EXEMPT FROM
GENERAL DECLASSIFICATION SCHEDULE OF
EXECUTIVE ORDER 11652 EXEMPTION CATE:
GORY 5B2 DECLASSIFY ON IMP DET.~~TOP SECRET~~

BYE-13190-74

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8 Aug 1974

TO: Bud Coyle/Bill Geiger

Attached correspondence is forwarded for your review. I hope you will bring this to the attention of someone in NASA to prevent any future disclosures from office.

We are taking action here with regard to Aerospace's and Col. Johnson's propagation of the NASA - originated problem.


M. LINDSAY

WORKING PAPER



REPLY TO
ATTN OF: DY

1 AUG 1974

SUBJECT: Catalog of Developed Satellite Hardware - Housekeeping Subsystems

TO: SAMSO/SZ SAMSO/YD SAMSO/DYE
 SAMSO/SK SAMSO/SP-6 SAMSO/DYJ

1. Reference NASA letter dated 16 Jul 74, same subject, copy attached.
2. Lt Gen Schultz has assured SAMSO's continued support of the NASA efforts to reduce the cost of space hardware. The NASA Low Cost Systems Office has contracted with the Aerospace Corporation for the latter organization to assemble unclassified housekeeping hardware data on the programs identified in the attached letter.
3. I have directed [redacted] DYAX, X-31262, to serve as the SAMSO central point of contact in this matter. Please identify to him your representatives for each of the listed military programs by 5 Aug 74. [redacted] will arrange meetings with your representatives and Mr. Thomas Shiokari of the Aerospace Corporation to facilitate timely transition of the data.

1 Atch
NASA Ltr, 16 Jul 74

Cy to: The Aerospace Corp.
(Mr. Thomas Shiokari)

[redacted]
Deputy for Technology

REPLY TO
ATTN OF:

KC

JUL 16 1974

Lt. General K. W. Schultz
Commander
Space and Missile Systems Organization (CC)
P. O. Box 92960
Worldway Postal Center
Los Angeles, CA 90009

Dear Ken:

NASA Headquarters has recently established the Low Cost Systems Office (LCSO) in an attempt to reduce the cost of NASA space hardware. One of the tasks the LCSO is undertaking is the preparation of a catalog of developed satellite hardware. This catalog will be at the "black box" level and will include a description of the hardware, its performance parameters, manufacturer and approximate recurring cost.

The Aerospace Corporation is the contractor assembling a portion of the catalog for the LCSO. In order to obtain as complete a data base as possible, we desire to include military projects in the catalog. We request your cooperation in obtaining data from SAMSO projects.

The desired satellite data are for the housekeeping subsystems only, namely electrical power, stabilization and control, propulsion, and communications and data handling. This subsystem information should include the interface requirements, master equipment lists, mass properties, black box specifications and cost. In addition, descriptive information on the overall system would be helpful in understanding the subsystem data.

The below listed military projects are the programs we desire to be included in the catalog:

Y) Meteorological Satellite Systems	- (METSAT Block 5-D)
SE Defense Support Program	- (DSP-647)

2

SKD Defense Satellite Communications Systems - (DSCS-II-777)
SKF Fleet Satellite Communications (FLTSATCOM)
NATO Communications Satellite (NATO-III)

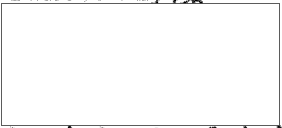
DVE Space Test Program - (P-72-2) (P-72-1)
(S3-1) (P-71-2)

SP-6 Terrain Surveillance Satellite - (P-95)

It is the intention that the catalog will not be classified.
We solicit your cooperation in the preparation of the
catalog and are open to any suggestions you may have.

The military procures many items under the "Design-to-Cost"
concept. In order to gain insight into this concept, NASA
has requested the Aerospace Corporation to review a "Design-
to-Cost" satellite project. The Aerospace Corporation has
indicated that the Earth Limb Measurement Satellite (ELMS)
is being developed by Grumman Aerospace Corporation under
the design-to-cost approach. We request your cooperation
and permission to conduct an evaluation of the unique design-
to-cost techniques being utilized on this project.

Sincerely,


Assistant Administrator for Industry
Affairs and Technology Utilization

cc: Mr. Thomas Shiokari
The Aerospace Corporation
2350 East El Segundo Blvd.
El Segundo, CA 90009

x 87504 A1/4003