

~~TOP SECRET~~

18 January 1967

Via:

Integrated data collection and processing system;; justification for
proprietary procurement of

1. The procurement of the above integrated and data collection and processing system is the exercising of Option 1 of NRL Contract [REDACTED] Since this system is a domestic support system for system 1 which will be operating at a remote overseas site, and the software being written for system 1 must be identical to system 1, thus necessitating a proprietary procurement.

JAMES TREXLER, HEAD
SPACE TECHNOLOGY BRANCH

cc:
FILE


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BYEMAN-~~TOP SECRET~~
CONTROL SYSTEMS JOURNAL

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Justification for Proprietary Procurement:

The procurement of the above Integrated and Data Collection and Processing System is the exercising of Option 1 of NRL Contract  Since this system is a domestic support system for system 1 which will be operating at a remote overseas site, and the software being written for system 1 must be compatible with System 2, the system being procured now must be identical to System 1, thus necessitating a proprietary procurement.

HANDLE VIA
~~BYEMAN-TALENT-KEYHOLE~~
CONTROL SYSTEMS JOINTLY

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~~TOP SECRET~~*Extra copy*DESCRIPTION OF ARTICLEQUANTITY

- | | |
|---|--------|
| 1. Magnetic tape control unit,
Stock No. 80-61078A | 1 each |
| 2. Magnetic Tape Unit & 7 track, 120 ips,
800 bpi), Stock No. 80-615-11A (ASSIGN NRL
EQUIPMENT NUMBERS) | 3 each |
| 3. I/O Cables, 30 feet, Stock No. 80-060-03A | 5 each |
| 4. BTC Cables, 30 feet, Stock No. 80-234A | 3 each |
| 5. High-speed Paper Tape Punch and Reader
(300 char/sec reader, 110 char/sec punch)
Stock No. 80-525A. (ASSIGN NRL EQUIPMENT
NUMBER) | 1 each |
| 6. Paper Tape Spooler (to be used with above
item) | 1 each |
| 7. Teletypewriter, ASR-35, Stock No. 80-715A | 1 each |

NOTE: ALL ITEMS EXCEPT 1 MAGNETIC TAPE TRANSPORT SHALL BE DELIVERED BY 23 JANUARY 1967. THE 3rd TAPE TRANSPORT SHALL BE DELIVERED SEVENTY-FIVE (75) DAYS AFTER RECEIPT OF ORDER. ALL STANDARD SOFTWARE SHALL BE PROVIDED TO OPERATE THE ABOVE PERIPHERAL EQUIPMENT WITH THE SEL MODEL 810A COMPUTER

ASSIGN NRL EQUIPMENT LIST NUMBERS AS INDICATED ABOVE

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[] have been
Ground based intercept sites/~~xxxxxx~~ completely updated at
[] to include in the old [], ~~xxxxxx~~ four specific
(u) complexes of electronic equipment; Two Receiving complexes to allow
for the []

[] these each have the latest (four-over-four) YAGI
receiving antenna systems capable of being positioned in both azimuth
and elevation. In addition they have the ~~recently~~ ^{NRL/HRB Singer} designed ~~NRL~~ solid-
state type Low-Noise RF Preamplifier which are expected to provide
much longer operational longevity than has been possible in the past
with the vacuum tube types. ~~xxxxxx~~ ^{units} The signals received from both
the Horizontal and the Vertical polarized antenna arrays will be
separately amplified and continuously compared by the operators so
that consistently the highest signal-to-noise-ratio signal received
will be the one which is recorded.

(b) The very latest Command Control complex has been installed and is
now operational. This system utilizes an "IBM Card" to specify the
particular command which is to be sent, thus greatly ^{reducing} ~~saving~~ the time
required to fulfill the command on any given satellite thus allowing
a greater portion of the horizon to horizon time to be utilized for
the actual data reception and recording operation.

(c) the Installation of the Quality Control complex has been completed
inso far as the Manual Position is concerned. The Spinning Head
Tape system was severely damaged in shipment to the site and replacement
parts have been sent for ultimate installation. ~~xxx~~ The APU can be
installed prior to the start of Mission 7105 but the DPU will have to
wait the operational evaluation now scheduled during the second week
of operations in [] This delay for the ^A DPU is essential due to
shortage of personnel of the calibre necessary to [] place
[] DPU into operation at two sites simultaneously.

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