



DEPARTMENT OF THE NAVY

BUREAU OF NAVAL WEAPONS

WASHINGTON

TOP SECRET

BYE-057430-99

IN REPLY REFER TO

RTOS-1-SHH

Ser

SECRET - LIMITED DISTRIBUTION

00704

From: Chief, Bureau of Naval Weapons
To: Director of Naval Intelligence

21 MAR 1962

Subj: Project DYNQ; information concerning (U)

Ref: (a) CNO Op-922Y/MLK Secret Limited Distribution Ltr Ser 00157-Y-62 of 14 Mar 1962
(b) CNO Op-92 Top Secret ltr to Dr. J. Wiesner of 14 Sep 1961
(c) CNO Secret ltr to BuWeps, Subj: COMPOSITE I Ser 00281P76 of 29 Sep 1961
(d) BuWeps Top Secret ltr to SecNav Ser 0001 of 8 Jan 1962
(e) BuWeps Confidential ltr to CNO Ser 04553 of Mar 1962

Encl: (1) Proposed Project DYNQ Launch Vehicle Schedule
(2) Funding Distribution for Project DYNQ through FY 1964

1. In response to the request contained in reference (a), information relative to the current and planned status of Project DYNQ is submitted:

In Calendar Year 1962, there remain two firmly scheduled Project DYNQ launch operations supported by SCOUT vehicles from the Pacific Missile Range in California. The first of these launches is scheduled for 19 April 1962 with the second tentatively set for late June.

Beyond this, there is no firmly scheduled launch vehicle of any type to support Project DYNQ launches during the current Calendar Year. BuWeps has attempted without success to secure secondary payload space available on a National Aeronautics and Space Administration THOR AGENA B vehicle to be launched in September 1962 from PMR. A formal request for assistance, reference (b), was submitted in September 1961 and BuWeps has no knowledge of any reply as of this date.

2. Prior to Fiscal Year 1962, Bureau of Naval Weapons participation in the subject project consisted primarily of providing launch vehicle support through the resources of Project TRANSIT. The concept of multiple payloads launched with a single vehicle was first implemented in June of 1960 and resulted in the successful launch of the first Project DYNQ satellite. This arrangement continued through two additional TRANSIT/DYNQ launch operations until an increasing conflict of individual program requirements introduced the need for a separate launch system for Project DYNQ. The COMPOSITE I launch operation which took place in January of 1962 was

SecretSECRET - LIMITED DISTRIBUTION**TOP SECRET****LIMITED DISTRIBUTION**

~~SECRET~~ - ~~LIMITED DISTRIBUTION~~

RTOS-1-SHH

Ser 00704

Subj: ~~SECRET~~ [redacted] concerning (U)

initiated concurrently with [redacted] apportionment of the first BuWeps budget that included program funding for FY 62 operations, with the associated BuWeps responsibilities for program execution and accomplishment.

3. The COMPOSITE I launch operation utilized a THOR ABLESTAR vehicle which had been procured in support of TRANSIT system launch requirements. Reference (c) approved diversion of this vehicle to Project DYN0 and directed that its costs were properly chargeable to the project. To enable the project to absorb an unanticipated cost of this magnitude and to permit an orderly continuation of operations into FY 63, a request for emergency funds, reference (d), coordinated with CNO, ASN(R&D) and DDRAE, was submitted. To date, no formal reply to this request has been received, and BuWeps has been faced with the problem of either diverting the two Project DYN0 SCOUTS to the TRANSIT program as partial payment and thereby terminating Calendar 62 DYN0 launch operations or maintaining the current two SCOUT program and replacing the COMPOSITE vehicle in FY 63. No other BuWeps R&D funds are available for reprogramming for this replacement.

4. BuWeps is in process of forwarding to CNO a summary, reference (e), of Astronautics Program launch vehicle requirements which can be supported within current, budgeted and planned financial resources through Calendar 1964. This launch vehicle plan, which calls for exclusive use of THOR ABLESTAR vehicles following the two SCOUTS, does provide for replacement of the COMPOSITE I vehicle in FY 63 and thereby permits continuance of the SCOUT vehicles in support of Project DYN0. To implement this plan, two THOR ABLESTAR vehicles have been placed on order for delivery and launch at the earliest possible date. The first of these vehicles is estimated to be available in December 1962 and the second has been designated as the COMPOSITE I repayment vehicle which will support a TRANSIT launch operation in March of 1963. Allocation of the first TAS to Project DYN0 is proposed to CNO by reference (e) and approval must be obtained before the Bureau can consider it a firmly scheduled launch operation. This vehicle plan has been prepared with full attention paid to the potential program expansion that has been discussed informally with representatives of the National Security Agency and the Project DYN0 Technical Operations Group. In this regard, it should be understood that leadtimes associated with vehicle procurement and scheduling require commitment of program funds well in advance of launch dates and Bureau planning must, of necessity, proceed without formal definition of program scope. Enclosures (1) and (2) of this letter provide a detailed review of the proposed vehicle procurement and launch schedule and related distribution of FY 62, budgeted FY 63, and planned FY 64 funds.

HANDLE VIA BYEMAN
CONTROL SYSTEM ONLY~~Secret~~

2

~~SECRET~~ - ~~LIMITED DISTRIBUTION~~~~LIMITED DISTRIBUTION~~

~~Secret~~~~LIMITED DISTRIBUTION~~~~SECRET - LIMITED DISTRIBUTION~~RTOS-1-SHH
Ser 00704

Subj: Project DYN0; information concerning (U)

5. Since FY 63 funds will likely not be apportioned prior to August of this year, little if any, effect on the current calendar year program will be felt from that source. Had the previously mentioned emergency funding request received approval [redacted] submitted, funds would have been available [redacted] in the period July to December 1962. Had the [redacted] been approved, such funding would be utilized to expand the Fiscal 1963 program with most of the effect appearing in the period of March 1963 to July 1963 and augmenting that schedule shown in enclosure (1).

6. This Bureau strongly supports Project DYN0 and will take all possible steps to assure its success through the vigorous application of available resources. It is believed that certain over-all improvements in program management and execution may be realized by instituting more regular procedure for distribution of instructions, program requirements and other related program information. To this end, the following modifications to existing procedures are proposed:

- a. A Bureau of Naval Weapons Representative be appointed officially, as an associate member of the Technical Operations Group for Project DYN0.
- b. Program Requirements, having been approved by the Project Director, will be forwarded in writing to the Bureau of Naval Weapons for implementing action.
- c. The Project DYN0 briefing team be expanded to include a representative of the Bureau of Naval Weapons to provide information that is of a program nature.

Early consideration of the proposals listed above is requested.

[redacted]
Deputy Chief of BureauCopy to:
CNO (Op-76)HANDLE VIA BYEMAN
CONTROL SYSTEM ONLY~~TOP SECRET~~~~Secret~~~~LIMITED DISTRIBUTION~~~~SECRET - LIMITED DISTRIBUTION~~

~~SECRET~~

LIMITED DISTRIBUTION

~~SECRET~~LIMITED DISTRIBUTION

PROJECT DYNO LAUNCH SCHEDULE

SCOUT

(1)

THOR ABLESTAR

X⁽²⁾

X

X

X

X

X⁽³⁾FY 63
July 62

Jan 63

FY 64
July 63

Jan 64

FY 65
July 64

Jan 65

HANDLE VIA BYEMAN
SACINOL SYSTEM ONLY~~SECRET~~

LIMITED DISTRIBUTION

- (1) Two SCOUT launch operations scheduled for April and June 1962.
 (2) Tentative pending CNO/DOD approval.
 (3) Schedule is not based on Expanded Program Plans.

~~SECRET~~

ENCLOSURE (1)

~~SECRET~~

~~TOP SECRET~~

~~SECRET~~

LIMITED DISTRIBUTION

PROJECT DYNO FUNDING (1)
FY 1962 Through 1964

In thousands

	<u>FY 1962</u>	<u>FY 1963</u>	<u>FY 1964</u>
Payload Development, Data Collection and Processing	\$2,325.00	\$2,680.00	\$2,800.00
Launch Vehicles, Payload (2) Integration and Related	<u>3,825.00</u>	<u>6,820.00</u>	<u>7,700.00</u>
	\$6,150.00	\$9,500.00	\$12,500.00

- (1) This Program does not include any estimate of increased funding available through possible program expansions with supplemental funding from sources other than Navy. Secondary payload space available assumed supported by pro-rated share of vehicle costs.
- (2) Vehicle costs are based on official Air Force estimates for a six (6) per year minimum launch rate.

RECEIVED VIA BYEMAN
CONTROL SYSTEM ONLY

~~SECRET~~

LIMITED DISTRIBUTION

~~TOP SECRET~~

~~SECRET~~

ENCLOSURE (2)

COPIED FROM
NEARLY
ILLEGIBLE
ORIGINAL

Page Denied

COPIED
FROM
NEARLY
ILLEGIBLE
ORIGINAL

Page Denied