

COPY

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UNCLASSIFIED

SUBJECT: Utilization of Camp Cooke

WDO
WDI
(IN TURN)

FROM: WDTR

1143

Sept 12, 1956 COMMENT NO. 1
Comdr Truax/dh/1344

1. A Development Directive has been received for WS 117L. A priority of 1A and a precedence of 1-6 has been assigned. Initial funding has been received. A contract is being negotiated with Lockheed for development of the System. It is therefore desirable to make firm planning with respect to test sites as soon as possible.

2. The Camp Cooke IOC site appears to meet ideally the requirements for southerly and westerly firings outlined in WDTR memo to WDO dated 7 May 1956. Assuming confirmation of this site, WDTR would like concurrenct by WDO and WDI in the following:

a. The basic principle of joint 107A-117L use of land and base facilities at Camp Cooke.

b. Use of guidance site number 4 and its associated launchers on a minimum interference interim basis by WS 117L beginning early in 1959 for westerly firings only.

c. Use of the southern launch facility A, in conjunction with guidance site number 4 for overflow WS 117L workload on a longer term basis. This combination will give WS 117L the ability to launch in the southwest quadrant for operational firings.

d. Construction of an independent WS 117L launch complex, probably at the extreme southern end of the Camp Cooke area using funds requested for FY 58.

3. It is desired to determine what modifications or additions to the facilities currently being planned would be required to make these facilities usable for WS 117L purposes. For this purpose, meetings between R-W, Lockheed and Holmes and Narver are being scheduled (in accordance with verbal agreement with WDIO). When the nature of the modifications have been determined, and an estimate made of the cost and probably delays that would result if the modifications were to be incorporated, WDTR will consult with WDO and WDI to determine a mutually acceptable course of action.

Did not see Quarles say "No. 2" at Camp Cooke.

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WDTR 56-140

[REDACTED] [REDACTED]

4. It is requested that WDTR be advised of meetings or deadline action dates which would affect the WS 117L program.

/s/ Frederic C. E. Oder
FREDERIC C. E. ODER
Lt Colonel, USAF
Assistant for WS 117L
Technical Operations

COPY

SUBJECT: Utilization of Camp Cooke

TO: WDTR THRU: WDI FROM: WDO

DATE: 17 Sep 56 COMMENT NO. 2
Col Sheppard/bs/540

1. WDO has tacitly visualized and in so far as possible (due to our limited) knowledge about 117L program) provided during planning for the utilization of Camp Cooke generally as outlined in Comment No. 1.

2. Currently I have designated Lt Col Lyster, in his capacity as one of the senior members of WDO rather than Chief of WDOM, to lead the preparation of a complete, standard operations order for directing the phased activation of Camp Cooke in all its aspects. I expect that pertinent sections of WDT, WDS and WDI as well as WDO offices will prepare or assist in the preparation of the standard annexes and any special annexes required. He is now preparing correspondence to WDT, WDS and WDI which will initiate action in detail. WDTR should contact him prior to completion of the draft of this correspondence, to insure that 117L aspects are included.

3. It is urgent that activities or resources not directly connected with the technical operation of the 117L activities at Cooke but which are required in operations, logistic, personnel or general administrative support be rapidly identified so that proper attention is given them. In this connection WDTR should be prepared to nominate a representative to participate fully in the generation of the operations order.

SIGNED

WILLIAM A. SHEPPARD
Colonel, USAF
Deputy Commander
Plans and Operations

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WDTR 56-140

COPY

SUBJECT: Utilization of Camp Cooke

TO: WDTR FROM WDI DATE: 19 Sept 56

COMMENT NO. 3
Lt Col V.L.Hastings/hd

1. Ref paragraph 1a of Comment 1, Basic use of Camp Cooke is programmed, facilities-wise, for WS 107A - 315A. Both of these system requirements must, therefore, be considered in proposed utilization by 117L.

2. Comments as to joint use of launch facilities by 117L are as follows:

a. Launch/guidance Site No. 4 is the only complex for which construction is scheduled to start in FY 57. Completion will be early in Calendar 1959.

b. Construction of the southern launch facility, (Site No. 1) was purposely scheduled to follow the facility at Site No. 4 to permit a final evaluation of WS 117L requirement for a multiple use launch facility.

3. Construction of an independent 117L launch complex at the extreme southern end of Cooke may be influenced by a requirement presented by the Navy on 28 Aug 1956 to the OSD Ballistic Missiles Committee, for use of full area south of Site No. 1.

4. Any modifications required by 117L for use of Site No. 4 must be definitized not later than 1 October 1956 if construction completion dates are to be met as scheduled. The architect-engineer is presently preparing preliminary design of this facility which will receive review and approval by WDD/R-W/ Contractors during period 15-30 October. To insure the best multiple use launch complex, it is recommended that the 117L requirements be included in the second launch complex scheduled for start of construction in early FY 1958.

5. The WDI representative for contact on the utilization of facilities at Camp Cooke is Capt Sam H. Wood.

SIGNED

VERNON L. HASTINGS
Lt Colonel, USAF
Assistant for IOC

WDTR 56-140

COPY

SUBJECT: Utilization of Camp Cooke

TO: WDI

FROM: WDTR

DATE: 4 Oct 56 COMMENT NO. 4
Lt Herther/eh/1344

1. Reference paragraph 4 of Comment No. 3, WS 117L requirements for consideration in Camp Cooke ICC Site No. 4 planning are inclosed. These requirements are those which can be foreseen by Lockheed Aircraft Corporation and WDTR as of the moment, but it is realized that, due to the rapid change of detail plans that is currently underway by your architect-engineer, continuous Holmes and Narver contact by Lockheed and WDTR will be required to insure the best multiple use of this site.

2. The WDTR representative for contact on WS 117L use of Camp Cooke is 1/Lt. John C. Herther.

1 Incl
1 copy Key Items in WS 117L
IOC Planning, 4 pages (S)

copy furnished:
WDO

/s/ R. C. Truax, Commander, USN
for FREDERIC C. E. ODER
Lt Colonel, USAF
Assistant for WS 117L
Technical Operations

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Attachment "B"

WDTR 56-140

WDIX

2 May 1957

MEMO TO: Colonel Terhune

SUBJECT: (U) Modification of Launch Stands at AFMPC for 117L

1. Reference your meeting with Col Oder on Wednesday, 24 Apr 57 re above subject in which Col Oder expressed concern that modifications of stands 11 and 13 might delay BOB of these stands to such an extent that test programs now scheduled for 11 and 13 might have to be shifted to 12 and 14. As requested Majors Zelanka and Collier have investigated this matter and reach the following conclusions based on information available at this time.

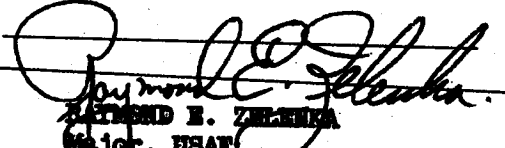
a. The 107A-1 program office is not concerned that 12 and 14 will in any way be affected by delays in 11 and 13.


b. The problem is a continuing one which requires continuous monitoring to be sure that most recent developments have not changed the situation as indicated in (a) above.

c. After the Corps of Engineers contract for the transfer rooms on launch complexes 11 and 13 is awarded, a better evaluation can be made.

d. 117L plans should proceed on the premise that down time for stands 12 and 14 is not materially changed and that necessary modification to accommodate the 117L can be accomplished in this period.

2. We will continue to monitor events in this area and will advise you immediately of any significant changes.


EDMUND H. ZELANKA
Major, USAF
Project Officer
WS-117L


ROBERT B. COLLIER
Major, USAF
Spec. Asst. to Dep. Cmdr.
Weapon Systems

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L - Apr - Jun 58, pp 1-1, 1-2

File as of 16 Jul 57
the DP is not
available

DESCRIPTION OF PLANNED PROGRAM

PROGRAM PLANNING

The present Sentry Program is based on the System Development Plan, Advanced Reconnaissance System, WS-117L (WD - 03076 b), dated 16 July 1957, as modified by reprogramming directives issued in January and March, 1958.

The January reprogramming provided for the flight testing of Sentry/Atlas satellites on a one-per-month basis starting in June 1959, and for the acceleration of the Pioneer Visual and Pioneer Ferret programs by approximately one year. It also introduced a new program, identified as Program IIA, in order to provide for use of the Thor IREM as a booster. A reprogramming directive issued on 10 March 1958 by AFEMD instructed LMSD to: (1) prepare a plan for acceleration of the basic WS-117L Program through the use of Sentry/Thor flights for early tests of components, and to incorporate into the plan the concept of recoverable capsule flights for aeromedical research purposes, and (2) re-orient the Sentry/Thor flight program so that all flights will be launched from Cooke Air Force Base, commencing with a first flight in November 1958.

A summary Development Program which reflects this reprogramming is shown in Figure 1-1.

Sentry Program Objectives

A summary of the flight test objectives for Programs I, II, IIA and III is as follows:

Program I. Launch of nine Sentry/Atlas vehicles from AFMTC (one each month from June 1959 through February 1960) into a low-latitude orbit at an altitude of 300 s mi for flight testing visual, ferret, and infrared reconnaissance payload components and, ultimately, subsystem.

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Program II. Launch of five Sentry/Atlas vehicles from Cooke AFB (one every two months from March through November 1960) into a Polar orbit at 300 s mi for Pioneer visual reconnaissance of Soviet-bloc areas of interest, with a ground resolution of 100 feet and a locational accuracy of one mile.

Program IIA. Launch of 10 Sentry/Thor vehicles from Cooke AFB (one every month from November 1958 through August 1959) into a high latitude orbit at an altitude from 160 s mi to 240 s mi for engineering flight testing to attain orbital capability, develop recovery techniques and carry out biomedical experiments. A detailed listing of the individual flight objectives is presented by Figure 1-2.

Program III. Launch of five Sentry/Atlas vehicles from Cooke AFB (one every two months from April through December 1960) into a Polar orbit at an altitude of 300 s mi for Pioneer ferret reconnaissance of electromagnetic emissions from equipments in Soviet-bloc territories.

The key milestones for the overall Sentry program, the subsystems, and support functions are presented in Figures 1-3 to 1-21.

NDTR

JUL 9 1957

MEMORANDUM FOR COLONEL TERHUNE

SUBJECT: WS 117L Military Construction Program - FY 59

1. The WS 117L FY 59 Military Construction Program which was handcarried to Baltimore, Maryland on 1 July 57 was modified by Hq ARDC (RDSI) as follows:

a. \$50,000 increase was added to the sites at Hawaii and South Central U. S. stations for the possible acquisition of real estate.

b. A lump sum of \$500,000 was added for the modification of facilities at AFMTC for WS 117L.

These changes were made on the advice of Mr. Diaz and Mr. Teppen of the Installations Plans group of RDSI. The total increase of \$600,000 made to total FY 59 MCP for WS 117L \$8,500,000.

2. Copies of the rewritten AF Form 161 will be mailed to AFMTC by RDSIP.

cc: WDI - Col. Lechard

[Signature]
FREDERIC C. K. ODEB
Colonel, USAF
Director, WS 117L

[Handwritten initials]

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WDTR

MEMORANDUM FOR COLONEL TERHUNE

JUL 22 1957

SUBJECT: Site Selection - WS 117L

1. Per our discussion on 18 July of the above subject, submitted herewith is a proposed plan of action to accomplish the surveys "in-house". Sites which must be selected at this time are: Northwest, Northeast and South Central tracking and data stations plus the Hawaii tracking station (although the S. Central and Hawaii are the only ones in the FY59 MCP the other sites are so technically interrelated that they must be also selected). By taking the "due date" of the final selection (set by Hq USAF as 1 Jan 58) and working back the time required for initiation of the various steps has been determined. The time table could go as follows:

a. 1-21 Aug 57 - Intensive map exercise to establish those sites which must be visited before they can be accepted or eliminated. Most of the necessary plans (base lay out and master plans) are available; however, no master plans are available for Hawaii stations.

b. 22 Aug 57 - Initiate a request to Colonel Banks, AFCIE, for permission for the AFEMD team to visit those sites selected as a result of 1a, above.

c. 2-13 Sept. 57 - Team visits ZI installations

d. 23-27 Sept 57 - Team visits Hawaii installations

e. 7 Oct. 57 - Initiate request to AMC for electronic surveys required. Although a given survey should take less than six (6) weeks there will be more than one required. The time required may also be lengthened by inclement weather expected during this time of year.

f. 23 Dec 57 - Initiate action to Hq USAF nominating final sites.

2. There are a few disadvantages coupled with doing the site selection survey "in-house".

a. Hq USAF, by not participating, will have less first hand knowledge of the care taken and will probably require more "selling" than would otherwise be the case.

b. Ultimately the sites will require a high capacity communications link. Participation by AMC representatives would make this aspect of the siting more effective.

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WDTR 57-237

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3. For the reasons we discussed, however, the "in-house" methods advantages, at this time, outweigh the disadvantages.

4. We are studying in some detail the problems associated with accomplishing the functions planned for the S. Central site on a temporary initial basis at Cooke AFB. At first estimate such a step appears feasible if absolutely necessary; however, this would be costly both as to money and time.

5. I suggest that the course of action proposed in par 1, above, be discussed by you and me with Colonel Leonhard as soon as possible. If mutually acceptable authority to proceed plus commitment of WDI and aircraft support (for the survey) is requested.


FREDERIC C. E. ODEH
Colonel, USAF
Director, WS 117L

WDTR 57-237

[REDACTED]

[REDACTED]

[REDACTED]

WDTR

MEMORANDUM FOR COLONEL TERHUNE

SEP 24 1957

SUBJECT: Site Selection, WS 117L

1. Reference WDTR Memo "Site Selection 117L", 22 July 57. ✓
During our discussions concerning WS 117L facilities requirements and site selection for WS 117L, you proposed that we look at the feasibility of using Cooke Air Force Base rather than the proposed South Central station as the R&D data read-out station. We, together with IMSD, have made a study of this solution with the following results.

a. Analysis of the tracking system has demonstrated the need for an improved tracking contact capability during the first pass of an orbital flight to accurately predict subsequent orbit paths. In order to adequately accomplish acquisition on the first pass, the tracking radar must see the vehicle at an elevation of 10 or more degrees for at least two minutes. This means that the circle of coverage for the station accomplishing initial acquisition is materially reduced for the first pass. *Explains*

b. As previously planned, the South Central station would serve as a tracking station for the low latitude test flights of Program I, as well as, an operational station. In this role the station was restricted to latitudes south of 40° N. latitude to accomplish both of these missions. The early activation of the Cooke Air Force Base to accomplish the R&D function of Phase I would remove the latitude restriction on the South Central station and allow freedom of choice of northern location with a more nearly optimum operational capability. It would also permit the delay of the three U. S. Operational Stations until the FY 60 MCP.

c. Detailed analysis of orbital characteristics of both AFMTC and IOC launched low-latitude orbits has led us to the conclusion that Cooke Air Force Base would be a more efficient and less costly test data acquisition station for the following reasons:

(1) Cooke has approximately double the contact capabilities on the first few passes of low latitude orbits launched from AFMTC or Cooke. Over a large number of passes the contact time of each station integrates to quantities which are approximately equal. But, on test flights, as much contact time as possible on early passes is desirable. Northward and/or eastward movement of the South Central station further decreases contact time. Southward movement, to Brownsville, Texas, increases contact time

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and makes it approximately equal to that of Cooke Air Force Base. However, this southward movement of the South Central station would compromise its utility as an operational station.

(2) It was originally planned that there would be a complete complex of ground equipment at Cooke Air Force Base except the data read-out equipment. Therefore, considerable savings in the early program accrue if a complete test complex of ground equipment is placed at Cooke Air Force Base only. In addition, no personnel would be required at the South Central station during this early period.

(3) The site selection, construction and activation of the South Central station would be delayed.

(4) Objectives of the operational and test stations would not be compromised. Compromise of objectives results in a less optimum location for either test or operational usage.

d. This approach is a more conservative and cautious approach to the facilities problem, and would provide for design changes in the brick and mortar as required by the experience gained in the R&D facilities at Cooke.

2. There are several disadvantages to delaying the installation of a South Central station and including data read-out at Cooke Air Force Base. These are:

a. The delay of the South Central station will reduce the total tracking and telemetry capability during the R&D phase of the program. Tracking and telemetry capability was originally planned for Station [REDACTED] on the AFMTC Range, Hawaii, Cooke AFB and the South Central station. This will reduce the number of tracking and telemetry contacts during the first few passes.

b. An "Operational Type" facility will not be available for training of data read-out and analysis crews. This function will now have to be performed at Cooke Air Force Base.

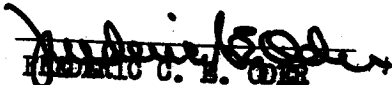
c. There will be no ground-to-ground communications systems experience in the early R&D phase to obtain orbital computation smoothing as was planned between Cooke and the South Central station.

d. Although savings accrue in the early phase of the R&D program, the long range facilities and equipment costs will be greater.

[REDACTED]

3. As a result of the above analysis and an evaluation of the advantages and disadvantages, it has been concluded that the FY 59 MCP should be modified to include R&D facilities at the following stations only: AFMTC and down range, Cooke Air Force Base, and the Hawaiian Islands. Plans are being made accordingly to use Cooke Air Force Base rather than a South Central U. S. Operational Station as a Test Data Acquisition Station.

4. Site selection in the Hawaiian Island group should be initiated internally so that a recommended site could be included in the detailed project folders for each facility site. The Hawaiian site is the only "site selection" required for the FY 59 MCP. Your approval of the approach outlined above is requested.


FREDERICK C. H. OLER
Colonel, USAF
Director, WS 117L

[REDACTED]

WDTR

NOV - 6 1957

MEMORANDUM FOR COLONEL TERHUNE

SUBJECT: "WS 117L Facilities"

1. Reference telephone call from Lt. Col. D. W. Campbell . AFOIE-PS on 5 November '57 and WDTR Memo 31 Oct. '57 subject the same as above, specifically paragraph 2. After Lt. Col. Campbell returned to Washington, D. C., and discussed the WS 117L Hawaiian siting problem with his superiors, he determined that the siting of the Hawaiian station was not within the responsibility of AFOIE-PS. This responsibility rests with the Major Command needing the facility and the Theater Commander of the overseas area, in this case probably FFAF or CINGPAC. Clearance into FFAF and other DOD installations in the Hawaiian Islands will have to be arranged by AFEMD, Hq ARDC as will the transportation required.

2. Col. Campbell is continuing to gather the information on all Air Force other DOD and government owned or controlled land in the Islands. This data should be available to AFEMD in the near future.

F. C. E. ODER
FREDERIC C. E. ODER
Colonel, USAF
Director, WS 117L

*cy returned to
Oder (Truax) w/note
"Please keep me
advised of our actions
on this area prior
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WDTR 57-390

(17)

WDTR

NOV 19 1957

MEMORANDUM FOR COLONEL TERHUNE


SUBJECT: Plans for WS 117L Site Selection

1. In accordance with your note of 8 November with reference to WS 117L site selection in the Hawaiian Islands, the following steps are under way or planned.

a. Col. Campbell (AFOIC-PS) Headquarters, USAF, is assembling data on all Federally owned or controlled property in the Hawaiian Islands. This step should be completed this week.

b. Lt. Col. Swanke, WDI, plans to go to Washington, D.C. the week of 18 November to accomplish the following: (1) pick up the data assembled in AFOIE and (2) make arrangements for the clearance of a small group to visit CINCPAC and FFAF Hqs. to acquaint them with the 117L requirements and obtain their assistance. The group that will go on this trip includes 1 member from WDT, WDI, IAC, Philco and Parsons. This trip will be scheduled as soon as possible.

2. The purpose of this trip will be more exploratory in nature rather than detailed site selection. NO BMD commitments will be made.


FREDERICK C. E. OLER
Colonel, USAF
Director, WS 117L




COPY


23 NOVEMBER 1957

TO COMDR AFBMD ARDC INGLEWOOD CALIF
COMDR AFBMO AMC INGLEWOOD CALIF
INFO: COMDR ATC RANDOLPH AFB TEXAS
COMDR AFMTC PATRICK AFB FLA
COMDR ARDC BALTIMORE MD
COMDR AMC WP AFB OHIO
CINC SAC OFFUTT AFB NEBR

~~/SECRET/~~ CITE AF CGM 53147. DEPARTMENT OF DEFENSE APPROVED THIS DATE THE AIR FORCE REQUIREMENT FOR PEACE TIME ICBM/IRBM LAUNCHES FROM COOKE AFB. THIS APPROVAL INCLUDES REMOVAL OF OSD RESTRICTIONS ON ITEM 44.5.2 LAUNCH CONTROL AND SAFETY. YOU ARE HEREBY DIRECTED TO PROCEED WITH YOUR PLAN AS GENERALLY OUTLINED IN 10 OCT 57 COMBINED AFBMD-SAC-AFMTC STUDY WDDOS-57-49 FOR PEACE TIME SYSTEM EXERCISES FROM COOKE. APPROPRIATE ACTION WILL BE TAKEN BY THIS HQS TO CONCLUDE THE JOINT AIR FORCE/NAVY AGREEMENT ON COOKE-MUGU RANGE OPERATIONS AT THE EARLIEST POSSIBLE DATE. NAVY ACCEPTANCE INDICATED IN PRELIMINARY JOINT MEETING 21 NOV 57.

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WDSSAT-57-852

WDTR

DEC 6 1957

MEMORANDUM FOR THE RECORD

SUBJECT: 117L Preliminary Site Selection Conference, Hawaii

1. Purpose of the conference was to establish an Agenda of the visit of the 117L group to Hawaii, and assign responsibilities of each member of the party.

2. Those in attendance were:

- * Lt. Colonel Q. A. Riepe - WDTR
- * Major J. W. Everhart - WDID
- Mr. E. Burciaga - WBID
- Mr. G. W. Brandt - Parsons Co.
- Mr. J. Gran - Parsons Co.
- * Mr. R. C. Kelly - Parsons Co.
- Mr. E. S. Dean - LAG/MSD
- * Mr. R. D. King - LAG/MSD
- * Mr. D. B. McKey - Philco Corp.

Those starred will be members of the team on the trip.

3. Lt. Col. Riepe and Major Everhart will arrive in Hawaii at 0200, Monday morning. Monday will be spent setting up appointments with the proper Air Installations group of Pacific AF and Sea Frontier of CINCPac. Staff. A series of short briefings have been assigned to the members of the group to inform the Pacific AF and CINCPAC Installations people of the 117L requirements. These are:

- a. Brief description of the 117L System - Lt Col Riepe - WDTR
- b. Requirement, criteria and purpose of the Hawaiian Site - Mr. Ralph King - LAG/MSD
- c. Technical Performance - Limitations of the Hawaiian Site Mr. Dixie McKey, Philco Corp.
- d. Typical Tracking Station design layout and design limitations and objectives, Mr. R. P. Jelly - The Ralph Parsons Co.
- e. How the AFMSB facilities programming is accomplished, what we want from Pacific AF and CINCPAC. Schedule of events leading to an operational tracking station. Major John Everhart - WDID.

4. A map survey of the Hawaiian Islands by The Ralph M. Parsons Company has shown that from a geometrical standpoint alone there are a very minimum of locations in Hawaii that will satisfy the Site Selection Criteria generated by Philco and LAG/MSD. It was agreed that this criteria is accepted as being the ideal situation only. LAG/MSD and Philco agree that parts of the criteria can be compromised and

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what it will cost in operational effectiveness of the Test Tracking station.

5. The ultimate objective of this trip is to locate areas for siting the 117L tracking station in the Hawaiian Islands that are acceptable from the standpoint of land availability, geometrically and geographically satisfies the selection criteria with compromises, and is not obviously in violation to the electronic interference criteria. These sites will be further studied by IAC, Philco and the Parsons Company for a more detailed siting survey prior to the recommendation of commitment to a specific site.

Quentin A. Riepe

QUENTIN A. RIEPE
Lt. Colonel, USAF
WS 117L Office

[REDACTED]

WDTR

MEMORANDUM FOR COLONEL FERRINE

DEC 11 1957

SUBJECT: Status of 117L Facilities

1. Facilities planning for WS 117L are presently being planned on the basis of the following decision:

a. The first launching from AFMTC will occur from launch complex # 14 in June 1959. An agreement has been reached with WDTC which allows WS 117L use of launch complex # 14 from May through December 1959. A maximum of four launches will be scheduled during the period all of which will be orbital in nature. These launches will require tracking and telemetry equipment at Hawaii and Cooke (TDM-18 modified) to receive full use of these orbital vehicles.

*Doesn't
? Sound
like
much of a
hurry.*

b. The first WS 117L launch at Cooke will occur the first quarter of 1960 (March) from a WS 117L launcher constructed adjacent to complex 65-1 and utilizing the G. E. Mod II guidance equipment at that site. The launcher and probably a minimum blockhouse will be oriented and sited to provide maximum utility to 117L and use of existing services and equipment. A second 117L launcher may be constructed later if 117L is accelerated .

2. The following decisions need to be made:

a. Siting and orientation of the WS 117L launch stand with respect to other 65-1 stands and facilities, particularly the G. E. Mod II guidance.

b. Type of launcher to be built, wet or dry.

c. The feasibility and desirability of joint use of the 65-1 blockhouse, or the construction of a new one.

d. Use of RDM and MAB now under construction for 117L operations for that part that involves the SM-65. If not feasible the number and size of buildings required.

e. Sites for tracking stations at Cooke and Hawaii.

3. Action that has been taken or is planned by WDTR and WDI in conjunction with the 117L facilities problem.

a. Support and data requirements for the tests to be conducted at AFMTC are currently being submitted to the Patrick Base by MITF. Technical modifications and additions to the launch complex (service towers, umbilical mast, etc.) are under design by IMSD and/or subcontractors. All of these efforts are being completely coordinated with WDTR, WDTC and WDI.

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WDTR 57-456

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b. A memorandum from Colonel Terhune to Colonel Leonhard (WDI) has been written outlining the approach to the WS 117L launch complex at Cooke. This memo recommends the construction of a separate launcher and blockhouse.

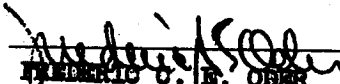
c. WDO has been requested to outline the amount of assistance they can commit to the WS 117L program in the areas of receiving, inspection, maintenance, assembly, checkout, erection and launch of the SM-65 portion of the 117L system. This will determine the requirement for new RIM, MAB, construction and the need for training 117L contractor personnel to receive, inspect, maintain, etc. through launch.

d. Representatives from WDER, WDIO, WDID, IAC/MSD, Philco and The Ralph M. Parsons Company visited Cooke AFB 25 November 1957. The group, with the assistance of Colonel Lyster, Colonel Daughton, and Major Stringer toured the 65-1 complex and the Northeastern part of the base. Two feasible sights for the 117L tracking station at Cooke were selected. IAC, Parsons, and Philco are conducting further survey of these sites to determine their suitability. WDER, WDID is preparing a paper for the Cooke Installations Board pinpointing the site selected and requesting the Board's consideration.

e. A party, consisting of representatives from WDER, WDI, IAC, Philco and Parsons are visiting Hawaii the week of 9 December. The purpose of this trip is to acquaint the PAC AF of the 117L requirements in the Hawaiian Islands, and gather as much data as possible on locations suitable for a 117L tracking station.

4. Siting of facilities at Cooke and Hawaii will not require a formally constructed AF selection board. However, soon after 1 Jan. 58 a formal Site Selection Board should be convened to select the U. S. data and readout stations. The representation on this Board will be determined by the Preliminary Operational Concept for 117L to be published by Hq USAF on 6 December according to unofficial information received from AFQOP-OCR.

5. Design objectives and typical site plot plans including single line drawings have been drawn up by Parsons for the tracking stations. Preliminary definitive plans for these typical stations are to be completed by 15 December 1957. Detailed site adaption and construction drawings will be made as soon as the sites for the tracking stations are selected.


FREDERICK C. E. OBER
Colonel, USAF
Director, WS 117L

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PRIORITY

COMDR, BMD, INGLEWOOD, CALIFORNIA

COMDR, ARDC
BALTIMORE 3, MARYLAND

SECRET FROM WDTR 12-7-E FOR W. P. JASTREMSKI RDSIP
PART I PD IN ACCORDANCE WITH YOUR TELEPHONE REQUEST OF 16 DECEMBER
1957 THE FOLLOWING INFORMATION IS SUBMITTED WITH REFERENCE TO WS 117L
P-300 PROGRAM ACCELERATION PD A TOTAL OF 13.5 MILLION P-300 FUNDS WILL
BE REQUIRED IN FY 58 PD THESE ARE BROKEN DOWN AS FOLLOWS. CLN
8.5 MILLION DOLLARS MOVED FORWARD TO FY 58 FROM THE CURRENT FY 59
MCP PD 5.0 MILLION DOLLARS ADDITIONAL TO PROVIDE A NEW LAUNCH
FACILITY AT COOKE AIR FORCE BASE FOR WS 117L PD PART II PD THE FY 59
MCP ASSOCIATED WITH THE FY 58 PROGRAM OUTLINED IN PART I ABOVE WILL BE
13.0 MILLION DOLLARS TO CONSTRUCT FACILITIES PREVIOUSLY PROGRAMMED IN
FUTURE YEARS PD PART III PD THE TOTAL PROGRAM FACILITY REQUIREMENTS
FOR 117L WILL PROBABLY NOT EXCEED THE TOTALS SHOWN IN THE WS 117L
DEVELOPMENT PLAN CMM 16 JULY 1957 CMM HOWEVER CMM THEY WILL BE REQUIRED
EARLIER PD

DOWNGRADED AT 12 YEAR
INTERVALS; NOT AUTOMATICALLY
DECLASSIFIED. DOD DIR 5200.10

WDTR

WDTR 57-467

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DEC 1957

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FREDERIC C. E. ODER
Colonel, USAF
Director, WS 117L

SECRET

WRE

12 February 1958

SUBJECT: Apportionment of Funds to Support Revised
WS-117L Development Plan

THRU: Commander
Air Research and Development Command
Attn: RDCM
Andrews Air Force Base
Washington 25, D. C.

TO: Director of Installations
Headquarters, USAF
Attn: AFOSB
Washington 25, D. C.

1. Acceleration of the WS-117L program requires the provision of necessary facilities on a highly compressed acquisition schedule. Because these facilities are pacing in nature, priority funding action must be taken to preclude any delay in the construction effort.
2. Facility requirements for this accelerated program are set forth in the Facilities Annex to the Revised WS-117L Development Plan which is identified as Management Report No. 6 (22 Jan 58) in accordance with ARDC Manual 88-4. A copy of this document is attached as Inclosure #1. It should be noted that the dates of construction contract award for the various line items in the revised facility annex are significantly advanced over the dates specified in the former development plan dated 16 July 1957.
3. It is currently intended that the Revised WS-117L Development Plan will be hand-carried to ARDC and USAF on or before 17 February. The attached copy is submitted in advance in order that necessary funds can be expeditiously apportioned as specified in the Facilities Annex. The supporting Forms 161 are attached as Inclosure #2.

When inclosures are withdrawn the classification of this correspondence will be downgraded to Unclass in accordance with AFR 205-1.

WREX-44-4
07 of 070

AFBMD (ARDC), WSI, Subj: Apportionment of Funds to Support Rev. WS-117L Dev. Plan

4. For the facilities at AFMTC, it is contemplated that design and modification will be accomplished by the Jacksonville District Engineer. For the remaining items in the program, it is intended that design will be accomplished by AFBMD and that construction will be undertaken by the cognizant District Engineer or Public Works Officer pursuant to the provisions of AFIR Bulletin SP-1 (Revised), dated 27 March 1957.

5. The revised WS-117L Facilities Annex represents the minimum MCP facilities required to support an accelerated effort in this program. Requirements have been minimized on the premise that necessary installations will be sited on, or adjacent to, active government stations which will obviate the need for support facilities.

6. The recent action of the President affording the WS-117L equal national priority with the IC and IRLM's emphasizes the urgency associated with acceleration of this program. Consistent with this priority, it is requested that immediate action be taken to apportion the necessary funds in accordance with the requirements presented in the Facilities Annex of the Revised WS-117L Development Plan.

2 Incls

1. Rev. WS-117L Dev. Plan
(Mgt Rpt #0, 22 Jan 58)
10 cys (WD-58-00522)
2. Forms 161, 10 cys
(WDIR-58-6)

WILLIAM E. LEONARD
Colonel, USAF
Assistant for Installations

When inclosures are withdrawn the classification of this correspondence will be downgraded to...*Secret*... in accordance with AFR 205-1.

cc: WIP
WDP ✓

[REDACTED]

[REDACTED]

DEPARTMENT OF THE AIR FORCE
AIR FORCE BALLISTIC MISSILE COMMITTEE
WASHINGTON 25, D. C.

Handwritten initials/signature

AFCGM Cont, #581249

AFBMC 1/16

14 March 1958

MINUTES OF SIXTEENTH MEETING
AIR FORCE BALLISTIC MISSILE COMMITTEE
Held in Room 4C-1052, The Pentagon

Present:

Members:

Hon James H. Douglas, Secretary of the Air Force
Hon Lyle S. Garlock, Asst Secy (Fin Mgmt)
Hon Dudley C. Sharp, Asst Secy (Materiel)
General Curtis E. LeMay (Vice Chief of Staff)
Maj Gen Charles M. McCorkle (Asst C/S (GM))

Staff:

Col R. E. Soper, Secretary, AF-BMC
Col A. E. Krieger, Alternate Secretary, AF-BMC

Others

Present:

SAFUS

Hon M. A. MacIntyre
Col R. F. Burnham

OSAF

Mr. W. Weitzen
Mr. D. L. Jackson

AFCIG

L/C G. W. Wischmann

AFICIN

M/Gen J. H. Walsh
Col R. S. Stewart
L/C D. M. Adkins
L/C R. D. Kemp
Maj C. E. Giraud

AFABF

Mr. L. C. Meyer

SAFIE

Mr. Jack Reilly
Mr. Geo. Robinson

AFCGM

B/Gen R. E. Greer
Col J. J. Courtney
Major E. Istvan

AFCAD

Col S. M. Porter

AFXDC

M/Gen H. C. Donnelly
B/Gen J. D. Donohew
B/Gen H. T. Wheless
Col R. C. Richardson
L/C B. Gunderson
L/C W. W. Eakins
Maj R. E. Angel

AFPDC

Maj E. Wilson

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INTERVALS; NOT AUTOMATICALLY
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[REDACTED]

WD 58-01928

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