

## Message Text

CONFIDENTIAL

PAGE 01 STATE 149618  
ORIGIN PM-04

INFO OCT-01 EA-07 ISO-00 EB-07 ERDA-05 OES-07 CIAE-00  
INR-07 NSAE-00 DOTE-00 PRS-01 COME-00 L-03 NASA-01  
/043 R

DRAFTED BY OASD/ISA/FMRA:JREINERTSON;PM/ISO:CCORDER:DME  
APPROVED BY PM/ISO:GTCHURCHILL  
EA/RA:COL. M.EILAND

-----105946 280424Z /13

R 272307Z JUN 77

FM SECSTATE WASHDC  
TO AMEMBASSY JAKARTA  
AMEMBASSY CANBERRA  
AMEMBASSY PORT MORESBY  
INFO USDAO TOKYO JA  
USDAO MANILA PI  
COGARD ONSOD WASHDC  
CINCPAC HONOLULU HI  
CINCPACAF HICKAM AFB HI  
CINCPACFLT PEARL HARBOR HI  
COMTHIRDFLT PEARL HARBOR HI  
CONAVSTA MIDWAY  
CINCPACREP GU/TTPI NIMITZ HILL GU  
3AD ANDERSEN AFB GU  
SECDEF WASHDC/OASD/ISA/FMRA  
CNO WASHDC/NOP 61  
COMDT COGARD WASHDC  
HQ USAF WASHDC/XOXXI/XOXXP  
HQ AFSC ANDREWS AFB MD/FA  
4950TW WPAFB OH/DOMM

C O N F I D E N T I A L STATE 149618

E.O. 11652:ADS-DECLASSIFY UPON COMPLETION OF NEGOTIATIONS

TAGS:MILI, ID, AS, PP  
CONFIDENTIAL

CONFIDENTIAL

PAGE 02 STATE 149618

SUBJECT: FOREIGN OPERATING RIGHTS - ADVANCED RANGE  
INSTRUMENTED AIRCRAFT (ARIA)

1. THE US AIR FORCE HAS A REQUIREMENT TO PERFORM A SERIES  
OF SYSTEM VALIDATION TESTS OF THE OMEGA NAVIGATION SYSTEM  
IN THE WESTERN PACIFIC REGION. TO ACCOMPLISH THIS TASK,

USAF PROPOSES TO DEPLOY SPECIALLY EQUIPPED AIRCRAFT AND GROUND MONITOR EQUIPMENT TO THE REGION AS DETAILED IN THE PARAGRAPHS BELOW.

2. THE US COAST GUARD AND US NAVY ARE ASSISTING IN A MULTI-NATIONAL EFFORT TO DEVELOP AND TEST THE OMEGA WORLDWIDE NAVIGATION SYSTEM. AS AN INTERNATIONAL SYSTEM, IT IS AVAILABLE FOR USE BY ANY COUNTRY FOR FISHING BOATS, MARITIME SHIPPING, COMMERCIAL/PRIVATE/STATE AIRCRAFT AND OTHER SIMILAR USES. THE VALIDATION OF OMEGA CAPABILITY IN THE WESTERN PACIFIC WOULD BE THE FIRST OF SEVERAL LIKE PROJECTS IN A PROPOSED LONG RANGE REGIONAL VALIDATION PROGRAM. THE PROGRAM IS STRUCTURED TO SUBSTANTIATE OMEGA CAPABILITY PRIOR TO TERMINATING THE CURRENT LONG RANGE AID TO NAVIGATION (LORAN A) SYSTEM IN WORLDWIDE USE. USAF HAS A CONTINUING INTEREST IN THE TOTAL CAPABILITY AS THIS SYSTEM WILL BE INSTALLED ON USAF AIRCRAFT TO REPLACE THE LORAN A EQUIPMENT.

3. SYSTEM VERIFICATION FOR A GIVEN GEOGRAPHIC REGION IS A PROCESS OF CONFIRMING OR MODIFYING CERTAIN PROPAGATION AND ERROR MODELS FOR THAT REGION. IN TESTING THESE MODELS, VARIOUS TYPES OF RECORDED DATA ARE REQUIRED. DURING THIS REGIONAL TEST, THIS DATA WOULD BE RECORDED BY A SPECIFICALLY EQUIPPED USAF NKC-135 (BOEING 707 TYPE) AIRCRAFT FLYING ON SPECIFIC ROUTES WITHIN THE TEST AREA. IN ADDITION, A SYSTEM OF STATIC OMEGA MONITORS PLACED

CONFIDENTIAL

PAGE 03 STATE 149618

THROUGHOUT THE AREA WOULD CONTINUALLY RECORD THE SAME TYPE DATA FOR COMPARISON WITH THE DATA COLLECTED BY THE AIRCRAFT. THE TENTATIVE AIRCRAFT ITINERARY IS LISTED BELOW:

ARRIVE STATION	DEPART
----- CONUS -----	4 AUG
4 AUG HICKAM AFB, HI	----- 6 AUG
7 AUG JAKARTA, INDONESIA	----- 10 AUG
10 AUG PT MORESBY, PAPUA NEW GUINEA	13 AUG
13 AUG KADENA AB, OKINAWA	----- 15 AUG
16 AUG CLARK AB, PHILIPPINES	--- 17 AUG
17 AUG JAKARTA, INDONESIA	----- 18 AUG
18 AUG KADENA AB, OKINAWA	----- 20 AUG
20 AUG DARWIN, AUSTRALIA	----- 22 AUG
22 AUG KADENA AB, OKINAWA	----- 23 AUG
23 AUG YOKOTA AB, JAPAN	----- 25 AUG
25 AUG MIDWAY NS, MIDWAY	----- 26 AUG
26 AUG YOKOTA AB, JAPAN	----- 29 AUG
29 AUG KADENA AB, OKINAWA	----- 30 AUG
30 AUG JAKARTA, INDONESIA	----- 31 AUG
31 AUG DARWIN, AUSTRALIA	----- 01 SEP

01 SEP PT MORESBY, PAPAU NEW GUINEA 02 SEP  
02 SEP ANDERSEN AFB GU ----- 03 SEP  
03 SEP HICKAM AFB, HI ----- 05 SEP  
05 SEP CONUS

4. A NORMAL MISSION WOULD CONSIST OF AN AIRCRAFT DEPARTURE FROM A LOCATION NEAR AN OMEGA STATION (AS OUTLINED ABOVE), OVERFLIGHT OF THE OMEGA STATION ON A PARTICULAR COURSE AWAY FROM THE STATION FOR UP TO A DISTANCE OF 2800 NAUTICAL MILES, AND RECOVERY AT THE NEXT DESTINATION WITH A PREPOSITIONED OMEGA MONITOR AND RECORDER. GROUND SITE AND AIRCRAFT RECORDED DATA WOULD THEN BE COMPARED AS PART OF THE VERIFICATION PROCESS. NORMAL AIR TRAFFIC CONTROL (ATC) PROCEDURES WOULD BE OBSERVED WITH FEW EXCEPTIONS.  
CONFIDENTIAL

CONFIDENTIAL

PAGE 04 STATE 149618

THESE EXCEPTIONS WOULD BE MINOR IN NATURE AND WOULD BE COORDINATED WITH THE APPROPRIATE ATC AGENCY. ALL AIRCRAFT OMEGA AND GROUND SITE EQUIPMENT IS PASSIVE IN NATURE. NORMAL RADIO COMMUNICATIONS WITH ATC WOULD BE CONDUCTED ON ASSIGNED ATC FREQUENCIES.

5. IN ADDITION, A SATELLITE POSITION SYSTEM RECEIVER WOULD BE REQUIRED AT THE TEMPORARY OMEGA GROUND MONITOR (OGM) OPERATING SITES AT JAKARTA, DARWIN, PORT MORESBY AND KADENA AB. THIS EQUIPMENT WOULD BE USED TO ACCURATELY DETERMINE THE PRECISE LOCATION OF EACH OGM SITE. THE EXACT POSITION OF EACH SITE IS REQUIRED TO PROVIDE A MEANINGFUL REDUCTION OF THE RECORDED DATA. THE SATELLITE POSITION RECEIVER WOULD BE MOVED BY THE PROJECT AIRCRAFT OR BY COMMERCIAL MEANS SO THAT EACH SITE IS SURVEYED FOR POSITION ACCURACY PRIOR TO COMPLETION OF THE PROJECT.

6. THE AIRCREW WOULD CONSIST OF FIVE OFFICERS AND SIX ENLISTED CREW MEMBERS. FOUR ENLISTED MAINTENANCE SPECIALISTS WOULD ALSO BE ABOARD THE AIRCRAFT TO ASSIST IN ANY REQUIRED AIRCRAFT MAINTENANCE. ALL WOULD BE ON ACTIVE DUTY WITH THE USAF. IN ADDITION TO THE CREW, THE AIRCRAFT WOULD ALSO CARRY UP TO EIGHT DOD SPONSORED CIVILIANS AND TWO NAVY OR COAST GUARD PERSONNEL WHO WOULD MAN THE OGM SITES REFERENCED ABOVE. ALL PERSONNEL ABOARD THE AIRCRAFT WOULD BE U.S. CITIZENS, AND WOULD POSSESS PASSPORTS AND VISAS WHERE REQUIRED.

7. ALL PROJECT DATA IS UNCLASSIFIED AND IS RELEASABLE TO THE HOST NATIONS. BOTH NATIONAL AND LOCAL OFFICIALS WOULD BE WELCOME TO TAKE AN ACTIVE INTEREST IN THIS PROJECT, AND TOURS OF THE AIRCRAFT WHILE ON THE GROUND AT THE VARIOUS LOCATIONS WOULD BE ENCOURAGED.  
CONFIDENTIAL

CONFIDENTIAL

PAGE 05 STATE 149618

8. OF POTENTIAL BENEFIT TO THE HOST NATIONS, IS THE FACT THAT THE OMEGA NAVIGATION SYSTEM IS AN INTERNATIONAL SYSTEM DESIGNED TO BE OF USE TO BOTH MARITIME AND AVIATION

USERS ON A WORLDWIDE BASIS. WITH THE DELETION OF THE LORAN A NAVIGATION SYSTEM, THE OMEGA WILL BECOME A PRIMARY MEANS OF NAVIGATION FOR ALL THE PARTICIPATING COUNTRIES.

9. EXACT DATES OF OPERATIONS, ROUTES OF FLIGHT AND SUPPORT REQUIREMENTS WOULD BE SUBMITTED IN ACCORDANCE WITH PROCEDURES FOR EACH COUNTRY SET FORTH IN THE USAF FOREIGN CLEARANCE GUIDE.

10. REQUEST ACTION EMBASSIES SEEK APPROVAL OF RESPECTIVE HOST GOVERNMENTS FOR THE OPERATIONS DETAILED ABOVE.  
VANCE

CONFIDENTIAL

NNN

## Message Attributes

**Automatic Decaptioning:** X  
**Capture Date:** 01-Jan-1994 12:00:00 am  
**Channel Indicators:** n/a  
**Current Classification:** UNCLASSIFIED  
**Concepts:** NAVIGATIONAL AIDS, OMEGA  
**Control Number:** n/a  
**Copy:** SINGLE  
**Sent Date:** 27-Jun-1977 12:00:00 am  
**Decaption Date:** 01-Jan-1960 12:00:00 am  
**Decaption Note:**  
**Disposition Action:** RELEASED  
**Disposition Approved on Date:**  
**Disposition Case Number:** n/a  
**Disposition Comment:** 25 YEAR REVIEW  
**Disposition Date:** 22 May 2009  
**Disposition Event:**  
**Disposition History:** n/a  
**Disposition Reason:**  
**Disposition Remarks:**  
**Document Number:** 1977STATE149618  
**Document Source:** CORE  
**Document Unique ID:** 00  
**Drafter:** JREINERTSON;PM/ISO:CCORDER:DME  
**Enclosure:** n/a  
**Executive Order:** AS IFY UPON COMPLETION OF NEGOTIATIONS  
**Errors:** N/A  
**Expiration:**  
**Film Number:** D770229-1221  
**Format:** TEL  
**From:** STATE  
**Handling Restrictions:** n/a  
**Image Path:**  
**ISecure:** 1  
**Legacy Key:** link1977/newtext/t19770614/aaaaamck.tel  
**Line Count:** 192  
**Litigation Code IDs:**  
**Litigation Codes:**  
**Litigation History:**  
**Locator:** TEXT ON-LINE, ON MICROFILM  
**Message ID:** 4f50da75-c288-dd11-92da-001cc4696bcc  
**Office:** ORIGIN PM  
**Original Classification:** CONFIDENTIAL  
**Original Handling Restrictions:** n/a  
**Original Previous Classification:** n/a  
**Original Previous Handling Restrictions:** n/a  
**Page Count:** 4  
**Previous Channel Indicators:** n/a  
**Previous Classification:** CONFIDENTIAL  
**Previous Handling Restrictions:** n/a  
**Reference:** n/a  
**Retention:** 0  
**Review Action:** RELEASED, APPROVED  
**Review Content Flags:**  
**Review Date:** 16-Nov-2004 12:00:00 am  
**Review Event:**  
**Review Exemptions:** n/a  
**Review Media Identifier:**  
**Review Release Date:** n/a  
**Review Release Event:** n/a  
**Review Transfer Date:**  
**Review Withdrawn Fields:** n/a  
**SAS ID:** 2021137  
**Secure:** OPEN  
**Status:** NATIVE  
**Subject:** FOREIGN OPERATING RIGHTS - ADVANCED RANGE INSTRUMENTED AIRCRAFT (ARIA)  
**TAGS:** MILI, EWWT, ID, AS, PP, US, XP  
**To:** JAKARTA CANBERRA MULTIPLE  
**Type:** TE  
**vdkgvkey:** odbc://SAS/SAS.dbo.SAS\_Docs/4f50da75-c288-dd11-92da-001cc4696bcc  
**Review Markings:**  
Margaret P. Grafeld  
Declassified/Released  
US Department of State  
EO Systematic Review  
22 May 2009  
**Markings:** Margaret P. Grafeld Declassified/Released US Department of State EO Systematic Review 22 May 2009