The original documents are located in Box 5, folder "China, Republic of (7)" of the Presidential Country Files for East Asia and the Pacific at the Gerald R. Ford Presidential Library.

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APPLICANT	DATE	CASE NO.	CATEGORY NO.
Philco- Ford Corporation	7/19/74	11. /34	12
CONSIGNEE			
Government of the Republic of Ch	ine		
DESTINATION	The Constant Property of the	ULTAK	INENT OF STATE
China			
COMMODITY DESCRIPTION		1974 AU	G 9 AM 9 46
Proposed amendment to upgrade configuration.	de 1000 AIM 98		
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		1	
Sent to: STD, Mavy EA/RA.	EB/ITP/ENT, XE	DINUTO OTHER	Sanford
AGENCIES REFERRED TO	DD/ LLE/ DWL ; ARD		SHELOFO
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FDCO AFJALE DSR ON WORKD	NO DEADLIN	e for reply,	APPROVED DISAPPROVED
MC COMMENT:		ТС	AP:
	MENT OF STATE		



Philco Overseas Services, Inc. % Aeronutronic Division Philco-Ford Corporation

Ford Road Newport Beach, California 92663

18 June 1974

Office of Munitions Control PM/MC, Room 800, SA-6 Department of State Washington, D.C. 20520

Subject: Application for Approval of Technical Support Services Agreement

Reference:

OMC Case No. 113-73, Technical Assistance Agreement between Philco Overseas Services, Inc. and the Government of the Republic of China

Gentlemen:

The reference agreement is currently in effect for support of the Republic of China's program to modify 1000 of their AIM-9B Guidance and Control Units (GCU's) to the AIM-9E configuration. To continue this program to upgrade their inventory of air-to-air missiles, the Government of the Republic of China has elected to proceed with a modification of an additional 1000 AIM-9B GCU's, but this time to the AIM-9J configuration.

Approval of a modification to the reference agreement or an approval of a new agreement is required to support this program. For your approval, I enclose four copies of this letter and five copies of Philco Overseas Services, Inc. Contract No. C-22021A which includes the technical assistance effort. The technical assistance effort is detailed in Section A3.8 which covers training, and Section A3.9 which covers technical and support services for the depot. An application on Form DSP-85 is being made under separate cover for the export of the commodities for the program. These include AIM-9J modification kits and equipment necessary to modify the existing AIM-9E depot for the AIM-9J effort.



Office of Munitions Control

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In accordance with 22CFR124.11, the following information is provided:

- a) Our Munition Control registration number is 275-1639.
- b) The AIM-9J GCU configuration was developed by Philco-Ford with in-house funds. The USAF subsequently bought a production quantity under F09603-71-C-0167. The AN/ASM-447 was developed and produced for the USAF under the same contract.
- c) The military security classification of the AIM-9J GCU is "Confidential". The AN/ASM-447 is unclassified. Classified technical data to be exported for this program will be listed as separate items on the DSP-85 application.
- d) If the agreement is approved by the Department of State, such approval will not be construed by Philco Overseas Services, Inc. as passing on the legality of the agreement from the standpoint of antitrust laws or other applicable statutes, nor will Philco Overseas Services, Inc. construe the department's approval as constituting either approval or disapproval of any of the business terms or conditions between the parties to the agreement.
 - There are no patent applications covered by secrecy orders of the U.S. Patent Office known to us which disclose any of either the AIM-9J modification, the AN/ASM-447 or related technical data.
- f) Philco Overseas Services, Inc. will not proceed with the services covered in Sections A3.8 and A3.9 of Contract No. C-22021A until approval has been received from the Department of State.
 - The Chinese Government Procurement and Services Mission, Division for Ministry of National Defense, has issued their Purchase Order No. EC(63)3004 for the program, and it has been accepted by Philco Overseas Services, Inc. It is therefore anticipated that additional copies of Contract C-22021A will not be required by the Department of State. Philco Overseas Services, Inc. will advise the Department of the contract's termination not less than 60 days prior to expiration, including information on the continuation of any rights or flow of technical data to the foreign party.



Office of Munitions Control

To facilitate Government consideration of the application, all requirements of 22CFR124.10 are contained in Section 5.1.1 of the Contract.

Department of Defense personnel familiar with the equipment and this program are:

am are: Major Suiffried 0x 7-0822 Mr. Robert J. Halsall, AFLGFDA, 5B-330, Pentagon 0/7-0592 Col. James Pierce, AFLGFD, 5B-330, Pentagon 0x 7-8220

Further information concerning this request may be obtained from Mr. R. M. Mentzer, Philco-Ford Corporation, Aerospace and Communication Operations Marketing, 815 Connecticut Avenue, N.W., Washington, D.C. 20006, telephone (202) 785-6081, or Mr. D. Graham at Aeronutronic Division, telephone (714) 640-1500, extension 1831.

Yours truly, 15 A lensel W. Menzel

Manager of Marketing

Enclosures: Four (4) copies of this letter Five (5) copies of Contract C-22021A and Revisions Five (5) copies of Purchase Order EC(63)3004



-3-

CHINESE GOVERNMENT PROCUREMENT & SERVICES MISSION DIVISION FOR MINISTRY OF NATIONAL DEFENSE

TELEPHONE6 (202) 462 - 1323 462 - 1324 462 - 4840 462 - 4841 **X** 2224 R STREET, NORTHWEST WASHINGTON, D. C. 20008

CABLE ADDRESS; "SINOPROSE"

PURCHASE ORDER NO. EC(63)3004

Date: June 6, 1974

To: Philco Oversers Services, Inc. c/o Philco-Ford Corp. Aeronutronic Division Newport Beach, Ca. 92663

Attention: Mr. J. L. Dampman

Gentlemen:

We wish to enter our firm order with you for the material and/or equipment in accordance with your proposal No. C-22021A & TeVISIONS dated May 31, 1974 for a total amount of \$ 8,764,665.00 covering the following items:

Item No.	Description	Quantity	Unit Price	Extension
110111 140.	Description	di manari 1	Omit 11100	PTACK TO THE PARTY OF THE

Supply of AIM-9J modification kits, modification of the overhaul and repair depot, field test sets, training, and spare parts as per Philco's proposed contract No. C-22021A dated April 8, 1974 and attached revisions dated May 31, 1974.

Total Contract Price

\$8,764,665.00



Encl. a/s

Order No. EC(63)3004

GENERAL CONDITIONS

PRICE: \$ 8,764,665.00

COMMISSION: It is understood that the above prices are absolute net and no commission of any kind is involved between any member of your company and of this Mission.

SHIPMENT: Delivery is to be made within 26 months after acceptance of contract and/or letter of credit. Partial shipments allowed. Partial shipments not allowed.

QUALITY: Newly manufactured

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PACKING: The material should be securely packed in accordance with standard commercial practice for export shipment, unless specified otherwise.

MARKING: All cases and shipping documents to be marked as follows:

Order EC(63)3004

CAF EC(63 3004

Lt. C.C. Chang P.O. Box 7197-3 Sung-shan Air Receiving Center Taipei, Taiwan, Republic of China Measurement Case No. Gross Wt. Net Wt.

PORT OF DISCHARGE: Sung-shan International Airport, Taipei

CONSIGNEE: To the order of Bank of Taiwan, Taipei, notify

EXPORT LICENSE: Supply us and our forwarder with Export Schedule B Number and Processing Code. Export license will be applied by the supplier if required.

INSPECTION: Manufacturer's and/or supplier's inspection on specification, quantity, quality, and proper packing and marking is required.

INSURANCE: All Risks, Marine/Air Risks and War Risks coverages required.

SHIPPING INSTRUCTIONS: When the material is ready for shipment: Please contact our forwarders, Monegon memorial difference of the shipping instructions. Please ship to contact the shipping instructions. Please ship to contact the shipping instruc-

Rohner, Gehrig & Co., Inc. 1 Whiteball Street New York, N.Y. 10004 Tel. (212) 482-2915-16



EC(63)3004 Order No.

PAYMENT: Cash against documents as specified under DOCUMENTATION.

Letter of Credit of the contract amount will be established in your favor through Bank of China, New York Agency, 40 Wall Street, New York, N. Y. 10005.

DOCUMENTATION: Please send to this office the following original and/or duplicate documents after shipment is made:

- x Certified involce in 12 copies.
- **X** Packing list in 4 copies.
- X Manufacturer's and/or supplier's Inspection Certificate in 2 copies. Dock receipt and/or inland bill of lading in 1 copy. Insurance Certificate in 3 copies. Ocean bill of lading: 3 Clean "On Board" Ocean B/L and 4 non-negotiable B/L.
- X Air Waybill: 1 original and 3 duplicate. Mailing Certificate and/or Insured Parcel Post Receipt.

copies. It is requested that you sign and return COPIES OF ORDER: This order is executed in 3 the 2 carbon copies to this office as your acceptance of the order.

> Chinese Government Procurement & Services Mission Div. for Ministry of National Defense

the las 111

WEN Ha-hsiung Major General, CA Director

. Chum

LIU Tzu-chien Colonel, CAF Ass't Director

ACCEPTED -

_____6-11-74_ Bv

Date :



PHILCO OVERSEAS SERVICES, INC.

Aeronutronic Division Philco-Ford Corporation

May 31, 1974

Ford Road Newport Beach, California 92663

G031-74-579

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CORRESPONDE

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CAALO

Chinese Government Procurement and Services Division Division for Ministry of National Defense 2224 R. Street, N.W. Washington, D.C. 20008

WEN Ha-hslung Major General, CA Director

Subject:

Attention:

Proposed Contract C-22021A

Gentlemen:

Philco Overseas Services, Inc. advises that it will accept Proposed Contract C-22021A dated 8 April 1974, provided the following revisions are incorporated prior to formal acceptance by the parties:

1. Article 2, page 4, Performance and Delivery Schedule:

> All deliveries remain as shown on the schedule except that Modification Kits which will be delivered at the end of the 21st, 22nd and 23rd months will be at 50 per month starting with the 21st month and ending in the 26th month. A copy of the Performance and Delivery Schedule, revised to incorporate the above revisions is attached.

2. Article 5.2.1b, change to read:

"Seller further warrants for a period of 6 months after each delivery of modification kits and field tost sets under Articles 1.1.1 and 1.1.2, respectively and for a period of 12 months after each delivery of Guidance and Control Unit Depet Facility modification equipment under Article 1.1.3 to Buyor hereunder"

3. Article 5.2.1b, Line 15, change to read:

> "Seller and Buyer shall coardinate prior to returning a nonconforming item to Seller's plant. In the event the Seller and Buyer determine that a non-conforming item should be returned to Seller's plant, the said item shall be returned

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F.O.B. Seller's plant, packed and packaged for arrival at destination in an undamaged condition and Seller shall incur the expenses of air freight and insurance for such returned items. This warranty is not..."

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4. Article 5.6, Line 4, change to read:

"... Seller may terminate performance and the Buyer shall pay Seller reasonable and proper charges mutually agreed to resulting from such termination upon submission of Seller's invoices,..."

5. Article 5.9, Line 3, change to read:

"... claimed to infringe any patent application or patent of the Republic of China, ... "

6. Article 5.13:

"... if requested by Buyer" at the end of the Article shall be deleted.

7. Article A3.6.1, change sentence to read:

"... of the following documentation plus one reproducible for all items except (7) and (8) shall be furnished..."

8. Article Al. 4. 2, Bulk Materials, add Item Number 36, Federal Stock Number: Blank; Part Number: 14-40-0013; Nomenclature: Chemical Depotting Solution.

It is recommended that this letter be included as part of the Purchase Order that is issued for Proposed Contract C-22021A in order that the parties have a record of the revisions made to the original Proposed Contract.

Very truly yours,

J. L. Dampman, Controller

Attachment:

FORD



Contract No. C-22021A

8 APRIL 1974

CONTRACT FOR

DELIVERY OF AIM-9J MODIFICATION KITS, MODIFICATION OF THE OVERHAUL AND REPAIR DEPOT, FIELD TEST SETS AND TRAINING

BUYER:

Republic of China

ACTING THROUGH: Chinese Government Procurement and Services Mission Division for Ministry of National Defense 2224 R. Street, N.W. Washington, D.C. 20008

SELLER: Philco Overseas Services, Inc. c/o Philco-Ford Corporation Aeronutronic Division Newport Beach, California 92663

CONTRACT NO. C-22021A

Between

The Republic of China Acting Through: Chinese Government Procurement and Services Mission Division For Ministry of National Defense 2224 R. Street, N.W. Washington, D. C. 20008

Hereafter Called

And

Philco Overseas Services, Inc. c/o Philco-Ford Corporation Aeronutronic Division Ford Road Newport Beach, California 92663

Telephone: (714) 640-1500, Extension 2864 Telex: 678470 TWX: 9105961354

Hereafter Called

Seller

Buyer

Covering The

Supply of AIM-9J Missile Guidance and Control Unit Modification Kits, Modification of Depot Facility, Field Test Sets and Training.

NOTE: Philco Overseas Services, Inc., has agreed that Philco-Ford Corporation may receive on its behalf payments under this contract.



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ARTICLE 1

SUPPLIES, SERVICES AND PRICES

1.1 Seller agrees to provide the following supplies and services at the fixed prices stated:

Description	Quantity	<u>Total Price</u>
1.1.1 AIM-9J Modification Kits for conversion of: 1000 AIM-9B Guidance and Control Units to AIM-9J configura- tion in accordance with Annex 1.	1000 total	U.S. \$7,259,000
1.1.2 AIM-9J Field Test Sets (AN/ASM-447), including calibration adapter boxes and torque tool adapters, as described in Annex 2.	12 each	U.S.\$ 295,776
1.1.3 Guidance and Control Unit Depot Facility modification, including: Depot modifications; spare parts; depot equip- ment tools; test equipment tools; and technical services as described in Annex 3 and the Supplement to Annex 3.	l each	U.S. \$1,209,889

Total Contract Price

U.S. \$8,764,665



ARTICLE 2

TERMS OF DELIVERY AND DELIVERY SCHEDULE

2.1 GENERAL

2.1.1 The dates of delivery for the supplies and services identified in Article 1 are set forth in the Performance and Delivery Schedule on Page 4.

2.1.2 All deliverable material and equipment will be packaged and packed in accordance with normal commercial practice adequate for air transportation to the Buyer's Port of Entry.

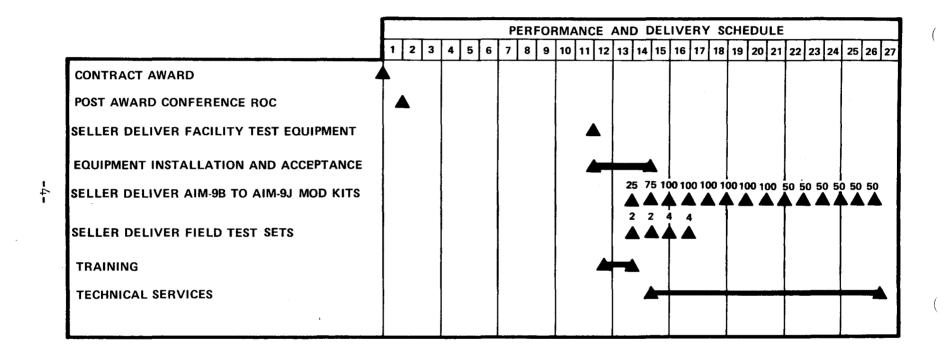
2.2 SELLER'S DELIVERY OF MATERIAL AND EQUIPMENT TO BUYER

2.2.1 Seller shall deliver the materials and equipment identified in Article 1.1.1 on the dates set forth in the Performance and Delivery Schedule to Los Angeles International Airport, Los Angeles, California, which will be the point of transfer of custody. Buyer will be responsible for transportation costs from the Los Angeles International Airport. Seller will be responsible for costs of insuring each delivery from Los Angeles International Airport to Buyer's Port of Entry. Buyer will reimburse Seller for such insurance costs upon Sellers presentation of an invoice to the Chinese Government Procurement and Services Mission.

2.2.2 Seller shall deliver materials and equipment identified in Articles 1.1.2 and 1.1.3 FOB Buyer's Port of Entry. Buyer shall provide the necessary insurance, materials, handling equipment, manpower, vehicles and drivers for the unloading/loading and movement of deliverable materials and equipment from Buyer's Port of Entry to the final storage and/or Depot installation site. Buyer is responsible that all materials and equipment are packaged, packed and handled, with regard to such movement, so as to assure safe, undamaged arrival at destination. Seller is not responsible for delivered material and equipment after their arrival at the Buyer's Port of Entry.

2.2.3 Due to the U.S. Government regulations, the AIM-9J Modification Kits described in Annex 1 will be delivered through a U.S. Government Representative into the custody of Buyer's designated authorized representative at the point of transfer of custody specified in Article 2.2.1. Buyer will provide Seller with the name of its authorized representative at the point of custody transfer at least 60 days prior to first delivery of Modification Kits.







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ARTICLE 3

INSPECTION AND ACCEPTANCE

3.1 AIM-9J GCU MODIFICATION KITS AND AN/ASM-447 TEST SETS

3.1.1 Final inspection for purposes of acceptance of the AIM-9J Modification Kits shall be accomplished at the Seller's facility in Newport Beach, California, by Seller's Quality Control personnel. Final acceptance of the seekers will be accomplished in accordance with the requirements of drawing 397-1481 and paragraphs 4.7 through 4.7.25 of Specification AS 132168. Seeker limited environmental tests will be performed in accordance with paragraphs 4.8 through 4.8.2.4 of AS 132168. Full environmental tests in accordance with Philco-Ford Specification AS 132168, paragraphs 4.9 through 4.9.2.10 will not be performed. Upon request, a copy of Seller's Acceptance Test records evidencing satisfactory completion of work performed will be provided to the Buyer. In addition, the Buyer may inspect the work at his expense, if desired, subject to U.S. Government security requirements which include a requirement for escort by Seller's personnel.

3.1.2 Final inspection for purposes of acceptance of the AIM-9J Field Test Sets (AN/ASM-447) shall be accomplished at the Seller's facility in Newport Beach, California, by Seller's Quality Control personnel. Acceptance tests will be performed in accordance with Philco-Ford Specifcation AS 130380. Upon request, a copy of Seller's Acceptance Test records evidencing satisfactory completion of work performed will be provided to the Buyer. In addition, an authorized representative of the Buyer can be present to inspect these operations and certify that performance is satisfactory, if desired, subject to U.S. Government security requirements which include a requirement for escort by Seller's personnel.

3.2 GUIDANCE AND CONTROL UNIT DEPOT FACILITY

3.2.1 Acceptance will be conducted in two discrete increments: one at Seller's plant and one at Buyer's installation site as described below.

3.2.1.1 AT SELLER'S PLANT

a. Seller will accomplish a visual and mechanical inspection of all modification kits prior to installation into Test Stations.

b. Seller will check each Test Station modified upon completion of the modification for satisfactory operation and calibration, utilizing the procedures to be supplied with the end items and through observation of the tests performed on two Seller supplied AIM-9J servos.

c. Seller supplied tools will be checked for proper operation before delivery to Buyer.



d. All calibration equipment, both special and standard, will be certified against primary standards and checked for proper operation.

3.2.1.2 AT BUYER'S INSTALLATION SITE

a. Seller's installation personnel will modify, check out and calibrate the Test Stations in accordance with the calibration procedures and calibration equipment supplied. This task will be accomplished with the assistance of Buyer's technical personnel.

b. Acceptable performance of the test stations, tools, and calibration equipment will be based on the ability of the modified depot and overhaul items to perform the various operations as stated in Seller-furnished documentation.

c. End-item performance will be demonstrated by operation utilizing AIM-9J GCU's. Both Seller and Buyer personnel will accomplish tests and evaluate this performance for acceptance.

d. Criteria for acceptance of the delivered equipment shall be the satisfactory functional performance of the equipment as demonstrated by Seller. Inspection of tooling for dimensional conformance to the documentation will be limited to those critical dimensions that will affect enditem performance as determined by Seller.

e. Acceptance and sign-off of all deliverable end items shall be based solely on the acceptance testing and criteria defined herein.

f. Acceptance tests will be conducted during the test phase of the installation period.

g. Recertification of calibration, if required, must be performed by the Buyer utilizing Buyer-supplied primary or secondary standards, facilities, and procedures.

h. As the modification of equipment nears completion, Seller shall give the Buyer five (5) days advance notice of the date on which each test station will be ready for checkout and system test.

i. Acceptance of deliverable documentation will be based on its conformance with paragraph A3.6 of Annex 3 and paragraph SA3.5 of the supplement to Annex 3.



3.2.2 INSPECTION

Subject to any applicable U.S. Governmental regulations, the Buyer's authorized inspector shall have the right to inspect equipment manufactured at Seller's facilities. This right, however, shall be confined to inspection of completed equipment and major components thereof. Inspection shall include the right to witness the Seller's standard tests.

At least two (2) months prior to the scheduled date of shipment, the Buyer shall notify Seller, in writing, of the specific equipment, if any, upon which the Buyer desires to exercise its inspection rights hereunder. Notice of inspection date(s) shall be given to Buyer at least five days in advance thereof. Buyer's inspector shall exercise his rights in such a manner as not to delay the manufacture, test or shipment of any equipment.

Buyer's inspector shall signify acceptance after he inspects the equipment by signing Seller's certificate of inspection or shall submit a written statement of his specific reasons for withholding his signature. If a written statement is not received by Seller, within 24 hours after Buyer's inspection, then the signature of an authorized quality assurance representative of Seller shall suffice. However, such acceptance shall not relieve Seller of its obligation under the "Warranties" Article.

ARTICLE 4

INVOICING AND PAYMENT

4.1 All payments to Philco Overseas Services, Inc. hereunder shall be made in United States currency or checks denominated in United States currency made payable to Controller, Philco-Ford Corporation, Aeronutronic Division, Newport Beach, California 92663 in accordance with the payment schedule set forth in paragraph 4.2. Seller shall submit invoices for approval and payment to the Chinese Government Procurement and Services Mission, Division for Ministry of National Defense, Washington, D.C. Buyer may make payment hereunder through the United States Army Finance and Comptroller Information Systems Command, Military Assistance/Sales Accounting Division under a Credit Agreement between the United States of America and the Republic of China.

4.2 Buyer shall remit payments to Seller in accordance with the following payment schedule:

Type of Payment	Payment Date	Percent of Total Contract Price to be Paid in U.S. Dollars
Down Payment	30 days after contract award	30
Progress Payment	End of 13th month after contract award	55
Progress Payment	End of 25th month after contract award	10
Final Payment	End of 26th month after contract award	5

ARTICLE 5

TERMS AND CONDITIONS

5.1 GENERAL

Contractual terms and conditions for this effort must meet any U.S. Government requirements and be acceptable to Philco Overseas Services, Inc.

5.1.1 MANDATORY U.S. GOVERNMENT PROVISIONS

The United States Government International Traffic in Arms Regulations (ITAR) requires that the following terms be a part of technical assistance agreements with parties outside the United States.

5.1.1.1 This agreement shall not become effective without the prior approval of the Department of State of the U.S. Government.

5.1.1.2 This Agreement is subject to all the laws and regulations, and other administrative acts, now or hereafter in effect, of the U.S. Government and its departments and agencies.

5.1.1.3 The parties to this agreement declare that the obligations contained in this agreement shall not affect the performance of any obligations created by prior contracts or subcontracts which the parties may have individually or collectively with the U.S. Government or its departments and agencies.

5.1.1.4 Any use of tooling and facilities which the U.S. Government owns or to which it has the right to acquire title must be authorized by the U.S. Government contracting officer.

5.1.1.5 No liability shall be incurred by or attributed to the U.S. Government in connection with any possible infringements of privately owned patent or proprietary rights, either domestic or foreign, by reason of the U.S. Government's approval of this agreement.

5.1.1.6 The technical data pertaining to the military hardware items concerning which the services under this contract are rendered and to be rendered are not authorized to be directly or indirectly sold, leased, released, assigned, transferred, conveyed, or in any manner disposed of in or to Albania, Bulgaria, Communist China, Cuba, Czechoslovakia, East Germany, Estonia, Hungary, Latvia, Lithuania, North Korea, Outer Mongolia, Poland, Romania, Union of Soviet Socialist Republics, any of the area of Vietnam which is under de facto Communist control, and any other area which is determined by the Department of State of the U.S. Government to be under Communist control.

5.2 SPECIAL TERMS AND CONDITIONS

In addition to the terms and conditions mentioned above the following special provisions are included in this Contract.



5.2.1 WARRANTIES

a. Seller warrants that all parts, components or subassemblies which are manufactured or acquired by Seller and installed on or incorporated in the deliverable end items hereunder will be free and clear of all liens and encumbrances at time of delivery to Buyer.

b. Seller further warrants for a period of 6 months after each delivery to Buyer hereunder that at the time of delivery the parts and components furnished by Seller and Seller's work incorporated into the delivered items will be of good quality and in substantial conformity with applicable specifications set forth elsewhere in this contract. Seller's liability under this warranty shall be limited to repairing, replacing, or granting a credit for any part or component or work which is determined to Seller's reasonable satisfaction to have failed to comply with this warranty at the time of delivery, Seller to have the choice of selecting the manner of discharging its said liability. To receive the benefit of this warranty, Buyer must give Seller written notification within 20 days after Buyer knows, or reasonably should have known, of the alleged nonconformity, and prior to expiration of the warranty period. Such notification shall identify the nonconforming item involved and shall contain details of the circumstances of discovery by Buyer and nature of the nonconformity. Unless Seller otherwise instructs, Buyer shall return the nonconforming item F.O.B. Seller's plant, packed and packaged for arrival at destination in an undamaged condition. This warranty is not applicable to items which have been damaged by misuse after delivery, by negligence of Buyer or third parties, or by other causes beyond Seller's control. This is not a warranty of GCU's which have been modified by Buyer; rather it is a warranty applicable only to items delivered by Seller to Buyer hereunder. After any item warranted by this clause has been corrected or replaced by Seller. This warranty shall continue with respect to such item for the remainder of the original warranty period.

c. The warranties stated herein are in lieu of all other warranties, EXPRESS OR IMPLIED, including warranty of MERCHANTABILITY, and warranty of SUITABILITY FOR INTENDED PURPOSE. Seller shall not be liable or responsible for consequential or incidental damages with respect to any goods sold or services rendered hereunder, and Buyer agrees to indemnify and hold Seller harmless against any such damages.

5.3 DELAYS

a. Seller shall not be liable for delays in performing its obligations, and the date on which Seller's obligations are to be fulfilled shall be extended without penalty for a period equal to the time lost, by reason of any delay arising directly or indirectly from:

> Acts of God, unforeseeable circumstances, acts (including delay or failure to act) of any governmental authority (De Jure or De Facto), war (declared or undeclared), riot, revolution, priorities, fires, strikes, sabotage or epidemics.



(2) Inability due to causes beyond Seller's reasonable control to timely obtain necessary and proper labor, materials, components, facilities, transportation or instructions from Buyer.

b. If delay resulting from any of the foregoing causes extends for more than 60 days and the parties have not agreed upon a revised basis for continuing the work at the end of the delay, including an adjustment of the price, then either party, upon 30 days advance written notice, may terminate this contract in respect to the unexecuted portion of Seller's work whereupon the Buyer shall pay Seller reasonable and proper charges for work actually performed.

5.4 SUPPORT FROM BUYER

In addition to the requirements of any other provisions of this contract, the Buyer shall provide to Seller, at no cost to Seller, the following:

- All real estate including facilities for depot installation, i.e., sites including buildings, roadways, walks, parking areas, security fences and sewage disposal.
- (2) Test equipment and calibration services and associated adjustment/repair in the Buyer's Precision Measuring Equipment Laboratory (PMEL) as required.
- (3) Armed guards for security of equipment and personnel at the depot facility on a full time (24 hours) basis.
- (4) One Buyer liaison officer at the depot facility for necessary coordination of Buyer personnel with Seller's installation.
- (5) One (1) Chinese-English interpreter at the depot and warehouse facility.
- (6) Access to the Depot Facility and noninterference in the performance of the work to be performed.
- (7) Use of available Buyer's communications services at no cost.
- (8) Electric and air power for all needs.
- (9) Office space for 13 people within air conditioned buildings adjacent to the depot.



(10) All other services, property and facilities as specified in this contract to be furnished by Buyer.

Equitable adjustment in the contract price or delivery schedule, or both, for delays or added costs incurred by Seller as a result of failure of the Buyer to provide the above support to Seller, shall be made.

5.5 EMERGENCY MEDICAL CARE

In the event that Seller's employees assigned to this program become injured or ill while in the Buyer's territorial limits, the Buyer will provide, without cost to Seller, such medical attention as is required for the health and well being of said employe, until such time as it is practicable for Seller to arrange for other suitable medical attention.

5.6 NONFULFILLMENT

In the event of nonfulfillment by the Buyer of any of the conditions of this contract, Seller may suspend performance and any costs incurred by Seller as a result thereof shall be payable by Buyer. If such nonfulfillment is not rectified by the Buyer promptly upon notice thereof, Seller may terminate performance and the Buyer shall pay Seller reasonable and proper charges resulting from such termination upon submission of Seller's invoices. In the event Seller fails to perform its obligations as set forth in this contract and further, fails to correct this deficiency promptly upon notice thereof by Buyer, Buyer may reduce the contract value by the amount that is deemed mutually to be reasonable to correct the deficiency.

5.7 TITLE AND CUSTODY

All items modifying the Depot Facility, which are furnished by Seller from Chinese, U.S. or other sources, either for incorporation into the systems or for permanent acquisition by the Buyer, shall be delivered to the Buyer's carrier at the factory of origin in Taiwan for Chinese sources and at Los Angeles International Airport for supplies obtained from other than Chinese sources. Upon such delivery, title to such items and responsibility for care and control during transit shall vest in the Buyer. Notwithstanding the foregoing provisions, except for the period of transport on Buyer's carrier to site location, Seller shall retain care and control of all such items until system turnover. Upon system turnover, Seller shall be relieved of all responsibility for such care and control. To the extent it is necessary to transfer custody of any deliverable item from Seller to Buyer through a representative of the United States Government, such transfer will occur at the Los Angeles International Airport, Los Angeles, California.

5.8 PRIVILEGES PROVIDED BY BUYER

This contract is based upon the following privileges and exemptions and in the event any of the privileges or exemptions identified herein are denied Seller, or its non-Taiwan subcontractor(s), despite compliance by the person(s) concerned with all relevant laws, regulations and administrative requirements

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of the Buyer, its agencies and political subdivisions, and with the directions, instructions or regulations of the Buyer, Seller shall give prompt written notice thereof to the Buyer.

a. It is understood that Buyer will provide Seller in a timely manner with all necessary permits, licenses and authorizations required for personnel to perform services under this contract in Taiwan.

b. All property, material, equipment and supplies imported into Taiwan by Seller or its subcontractors exclusively for use on this contract shall be exempt from import and export duties, taxes, licenses, excises, imposts and charges, and such of these items as do not become a part of the completed work or supplies to be furnished under the terms of the contract may, at Seller's discretion, be removed from Taiwan or disposed of in Taiwan free of any restrictions or claims which may arise by reasons of such removal or disposal; except that any applicable customs duty, tax or charge will be paid in the event of sale or disposal by Seller in Taiwan to a purchaser other than an agency or representative of the Buyer.

c. The Buyer, its agencies and political subdivisions, shall levy no taxes or fees (including taxes on corporate income, or property, customs or import duties and other taxes) on Seller or its non-Taiwan subcontractors. In the event these exemptions are not granted or if such taxes are imposed and required to be paid, Seller shall be reimbursed for said payments or additional costs incurred thereby.

5.9 PATENT INFRINGEMENT

If performance of the contract by Seller, or use, sale or other disposal by Buyer of anything furnished by Seller under this Contract, infringes or is claimed to infringe any patent application or patent, Buyer agrees to indemnify and save Seller, its officers, agents and employees and also its subcontractors and suppliers under this contract, harmless against all judgments, decrees, costs, expenses and other liabilities related to said infringement or claimed infringement. As part of this duty to indemnify and save harmless, Buyer shall defend or settle at no expense to Seller every suit based upon such infringement or claim of infringement. Seller agrees to notify Buyer promptly on receipt of each such claim and each notice of such suit.

5.10 USE OF U.S. GOVERNMENT-OWNED TEST EQUIPMENT AND SPECIAL TOOLING

Seller shall be authorized noninterference rent free use of the test equipment and special tooling presently accountable under U.S. Air Force Contracts F09603-71-C-0167, F09603-71-C-1425 and F09603-74-A-0223 in the performance of this Contract. In the event the U.S. Government does not grant rent-free use or withdraws permission for the rent free use of equipment as specified above, necessary rent will be computed and added to the contract price. Denial of use of the equipment either on a rent-free use basis or rental basis shall cause the contract to be equitably adjusted to reflect the additional investment required for performance.



5.11 CONFLICTING PROVISIONS

Seller's failure to object to provisions contained in any communication from Buyer which conflict with Seller's terms of sale shall not be deemed acceptance thereof by Seller. Only those terms and conditions contained herein apply to any Sale under this contract, unless Seller agrees in writing that other or additional terms are applicable. Modifications to this contract of sale between the parties shall be made only in writing, executed by a duly authorized representative of each party.

5.12 APPLICABLE LAW

This contract shall be construed according to the laws of the State of California insofar as existence of the contract as a binding agreement and matters concerning performance or breach thereof are concerned. If the parties find themselves in an irreconcilable disagreement as to any matter concerning this contract which is not resolved after bona fide negotiation and effort at compromise - which each party commits itself to attempt in good faith - then such disagreement shall be subjected to settlement by arbitration in accordance with the rules of the International Chamber of Commerce then in effect, arbitration to take place in Los Angeles, California, and the third arbiter to be designated by the two arbiters appointed by the parties. Judgment upon the award rendered may be entered in any court having jurisdiction in Taiwan or the United States, or application may be made to such court for judicial acceptance of the award and an order of enforcement, as the case may be.

5.13 PERFORMANCE BY SUBSIDIARY

Seller reserves the right to assign this contract or any part thereof or to subcontract all or any part of the performance hereof, to a wholly owned subsidiary of Seller or to Seller's parent or an affiliated company. If such assignment or subcontract is made, Seller will guarantee performance by such subsidiary, parent or affiliate if requested by Buyer.

5.14 LICENSES, PERMITS AND COMPLIANCE WITH U.S. EXPORT REQUIREMENTS

Seller's obligations hereunder are contingent upon Seller being able to obtain all necessary U.S. Government Licenses, permits, authorizations and other clearances. Seller will undertake to obtain such clearances and will inform the Buyer of any delays or difficulties relating thereto. Such clearances may be granted subject to incorporation herein of certain clauses or terms required by the U.S. Department of State or other U.S. Agency and Buyer agrees that any such required clause may be incorporated herein. Any delay occasioned by the foregoing shall be considered an excusable delay.

5.15 LIMITATION OF LIABILITY

The total liability of Seller (including its suppliers) for any claim, whether in contract, tort (including negligence) or otherwise, arising out of, connected with or resulting from the manufacture, sale, delivery resale, repair,

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replacement or use of any equipment or the furnishing of any services shall not exceed an amount equal to the total contract price.

5.16 IN-COUNTRY CONFERENCE AND REVIEW

A technical conference will be held in Buyer's country approximately four (4) weeks after contract award. The subject matter of this technical conference will include discussion of detailed requirements of the contract. A provisioning review of spare parts selected for support of the depot will be held at this conference. Within eighteen (18) weeks after contract award, Seller will review with Buyer's technical personnel in Buyer's country previously furnished depot area layouts, process, flow and detailed facility requirements.



ARTICLE 6

CONTRACT ACCEPTANCE

CONTRACT NO. C22021A is hereby accepted as indicated below:

Philco Overseas Services, Inc.

by: 💋 AUTHORIZED REPRESENTATIVE

date: <u>April 8, 1974</u>

Accepted on behalf of the Republic of China

by:

date:



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ANNEX 1

COMPOSITION OF AIM-9J MODIFICATION KITS

A1.1 GENERAL

The modification kits will modify AIM-9B GCU's to the AIM-9J GCU configuration in accordance with part number 120681 and specification number AS120532.

A1.2 AIM-9B GCU

An AIM-9B GCU is defined as AIM-9B Missile Guidance and Control Unit, FSN 1427-874-5660 AB, Mods 9 through 15.

A1.3 MODIFICATION KIT CONTENTS, AIM-9B TO AIM-9J

A1.3.1 MODIFICATION PARTS

a. The quantities listed in this section are for <u>each</u> kit. That is, in order to modify 1,000 GCU's, the total quantity delivered by the Seller will be 1,000 times the quantities listed. The quantities include an amount for probable loss or damage.

b. If commercial parts are not readily available, equivalent or superior parts may be substituted.

c. Incorporation of design improvements may necessitate minor revisions to this list.

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Item No.	Part No.	Item Description	Qty	See Note
1	123136	Servo Section	1	
2	123641	Shield	1	
3	130211-1	Canard, Double Delta	4	1
4	132127-1	Delay, Gyro Drive (Z305)	1	
5	132153-1	Component Board Assy TB9	1	
6	132154-1	Board Assy TB5	1	
7	132155-1	Spacer	1	
8	132156-1	Insulation	1	
9	132157-1	Spacer	1	
10	132158-1	Screw, Nonmetallic	1	
11	132170-1	Block, Diode	1	
12	132181-1	Separation	1	
13	132688-1	Module Z201	1	
14	132669-1	Dome Protector	1	
15	132981-1	Transistor Q101	1	
16	1537514	Nut, Plain Knurled	2	
17	1537569	Terminal	2	
18	1559239-1	Screw	8	
19	1559240-1	Screw	3	
20	1564939-1	Capacitor C107	1	
21	1564939-2	Capacitor, C306	1	

NOTE: 1. Canards (130211-1) are shipped separately in their own container.



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Item No.	<u>Part No.</u>	Item Description	Qty	See <u>Note</u>
22	1564939-3	Capacitor, C121	1	
23	1586019-2	Washer, Lock	2	
24	1586111-1	Insulation	1	
25	397-1481-1	Seeker	1	2
26	10122411-2	Splice, Conductor	1	
27	AN960PD10L	Washer	8	
28	AS132123-1	Driver, Gyro Drive (Z301 thru Z304)	4	
29	AS132124-1	Driver, Z101, Z102	2	
30	AS132665-1	Diode CR226	1	
31	AS132996-1	Sync Filter, Z103	1	
32	CM15ED151JN3	Capacitor, C131	1	
33	CK148X223K	Capacitor, C124	1	
34	CP04A1KC223K3	Capacitor, C119, C120	2	
35	CP08A3KF102K3	Capacitor, C104	1	
36	JAN1N4246	Rectifier, CR214, CR224	2	
37	JAN1N645	Diode CR104	1	
38	М39003/01-2304	Capacitor, C133	1	
39	M39014/01-0446	Capacitor, C117	1	
40	M39014/02-0407	Capacitor, C132	1	
41	MS21262-36	Screw	8	
42	MS35338-40	Washer, Split	2	

NOTE:

 Seekers (397-1481-1) are classified items and are shipped separately. Dome protectors shipped with seekers. FORD APLO &

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Item No.	Part No.	Item Description	Qty	See <u>Note</u>
43	MS35338-135	Lock Washer	2	
44	MS51957-15	Screw	2	
45	MS51959-43	Screw	4	
46	MS77068-1	Terminal (No. 85)	1	
47	MS20470A5-8	Rivet	2	
48	MS39014/01-0455	Capacitor, C207, C208	2	
49	RCR07G153JS	Resistor R163	1	
50	RCR07G470JS	Resistor R162	1	
51	RCR20G105JS	Resistor R132	1	
52	RCR20G241JS	Resistor R159	1	
53	RCR20G273J	Resistor R315	1	
54	RCR20G334JS	Resistor R160	1	
55	RCR20G474JS	Resistor R157	1	
56	RCR20G684JS	Resistor R117	1	
57	RCR20G823JS	Resistor R158	1	
58	RLR32C104GM	Resistor R247	1	
59	RN60D4750F	Resistor R211, R212, R243, R244	4	
60	RW69V331	Resistor R201 and R202	2	3

NOTE: 3. R201 and R202 are matched within 1 percent.



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A1.4.2 BULK MATERIALS

a. The items listed in this section are the requirements for 1,000 GCU Modification Kits.

b. Incorporation of design improvements may necessitate minor revisions to this list.

Item <u>No.</u>	Federal Stock No.	<u>Part No.</u>	<u>Nomenclature</u>	See Note
1	6145-144-0231	M81044/12-22-9	Wire, 22 AWG	
2	6145 - 422 - 2644	M81044/12-24-9	Wire, 24 AWG	
3	6142-938-5965	M81044/12-26-9	Wire, 26 AWG	
4		QQ-W-343	Wire, 22 AWG, Types, Soft	
5		QQ-W-343	Wire, 20 AWG, Types, Soft	
6		MIL-I-22129	Insulation, 20 AWG, White	
7		MIL-I-22129	Insulation, 22 AWG	
8		MIL-I-22129	Insulation, 3 AWG, White	
9		MIL-I-22129	Insulation, 16 AWG	
10		MIL-I-23052/5CL1	Sleeving, 0.062 ID	
11	4020-202-1924	MIL-T-713CL2	Lacing Twine, Type P, Waxed	
12		QQ-S-571	Solder, SN60, WRAP 3	
13		MIL-I-15126	Tape, Glass, Type GFT, 1/2 Inch	
. 14		OS7446, Type 3	Marking Ink, Black	1
15	5970-548-9520	MIL-V-173	Varnish	2
16	5970 - 161-7422	GE-1201	Glyptal, Red	
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NOTES:

1. Shelf Life 6 Months.

2. Shelf Life 12 Months.



Item No.	Federal Stock No.	Part No.	Nomenclature	See Note
17	9150-286-8088	VV-D-1078	Silicone Fluid GR 200,000CS	1
18	8010-161-7379	TT-L-32	Lacqu er, Black, 17038	2
19	8010 -2 57 - 5377	TT-L-32	Lacquer, White, 17875	2
20	8010-515-2208	MIL-P-8585	Primer, Color Y	2
21	9150-985-7243	MIL-G-23827	Moly Grease	
22	6810-816-1025	MIL-M-7866	Molybdenum Disulfide	
23	6850-880-7616	MIL-S-8660	Silicone Compound	2
24	8040-865-4991	MIL-A-46106	Sealant, White	2
25		MIL-A-46106	Primer, Type I, Red	3
26		131208-9	Sealant	2
27	8030-081-2339	MIL-S-22473	Sealant, Grade A	
28		131208-1	Adhesive, DC 140	2
29		MIL-S-22473	Primer, Grade T, Form R	2
30		MIL-P-15328	Primer	
31		MIS-13901A, Amendment 1	Silicone Compound	2
32		131208-27	Insulating Compound	1
33		131208-26	Rubber, Polysulfide	1
34		MIL-I-23053/5CL1	Insulation, 0.375 ID	
35		MIL-R-46846	Tubing, Heat Shrink, Type 1, CL1, Size 3/4	

NOTES:

Shelf Life 6 Months.
 Shelf Life 12 Months.
 Shelf Life 24 Months.

A1.4.3 AS REQUIRED PARTS (AR) (SELECTABLES)

a. The quantities listed in this section represent the Seller's best estimate of the AR parts for 1,000 AIM-9B to AIM-9J GCU modification kits. However, past experience on similar programs has indicated that the AR predictions may vary according to Buyer's practices and circumstances. Accordingly, the Seller will:

- Provide an initial quantity of AR parts to modify 500 units.
- (2) Provide a final quantity of AR parts for 500 units. This shipment will reflect the variation between the balance of the predicted quantity and the actual usage derived from the initial quantity.

Item No.	Part No. or Description	Nomenclature	Qty	See <u>Note</u>
1	5719	Tube, Electron V102	400	1
2	132147-1	Insulator Disk	400	
3	132148-1	Bracket, Conn	400	
4	132149-1	Guide, Bushing	800	
5	132150-1	Nut, Special	800	
6	CP04A1KF153K3	Capacitor, C204	20	
7	CP04A1KF183K3	Capacitor, C2O4	20	
8	CP04A1KF223K3	Capacitor, C2O4	40	

NOTE: 1. Tube 5719 is used on an "as required" basis, quantities are based upon past experience. Resistor R147 used with this tube has Part Number RW69V820. RW69V101 used if Tube 6222 is present in Buyers AIM-9B.



Item <u>No.</u>	Part No. or Description	Nomenc lature	See <u>Qty</u> Note
9	CP04A1KF273K3	Capacitor, C204	80
10	CP04A1KF333K3	Capacitor, C204	100
11	CP04A1KF393K3	Capacitor, C204	300
12	CP04A1KF473K3	Capacitor, C204	240
13	CP04A1KF563K3	Capacitor, C204	200
14	CP08A1KF472K3	Capacitor, C110	240
15	CP08A1KF562K3	Capacitor, C110	600
16	CP08A1KF682K3	Capacitor, C110	160
17	CP08A3KF122K3	Capacitor, C314	20
18	CP08A3KB123K3	Capacitor, C314	20
19	CP08A3KF152K3	Capacitor, C314	20
20	CP08A3KB153K3	Capacitor, C314	20
21	CP08A3KF182K3	Capacitor, C314	100
22	CP08A3KF222K3	Capacitor, C314	100
23	CP08A3KE272K3	Capacitor, C314	100
24	CP08A3KE332K3	Capacitor, C314	100
25	CP08A3KC392K3	Capacitor, C314	100
26	CP08A3KC393K3	Capacitor, C312	100
27	CP08A3KC472K3	Capacitor, C314	100
28	CP08A3KC473K3	Capacitor, C312	400
29	CP08A3KC562K3	Capacitor, C314	100
30	CP08A3KC563K3	Capacitor, C312	400
31	CP08A3KC682K3	Capacitor, C314	100

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Item No.	Part No. or Description	Nomenclature	Qty	See <u>Note</u>
32	CP08A3KC683K3	Capacitor, C312	80	
33	CP08A3KC822K3	Capacitor, C314	100	
34	M39014/01-0225	Capacitor, Cl12	60	
35	M39014/01-0230	Capacitor, C112	100	
36	M39014/01-0234	Capacitor, C112	160	
37	M39014/01-0236	Capacitor, Cll2	80	
38	M39014/01-0237	Capacitor, C112	1 2 0	
39	M39014/01-0239	Capacitor, Cl12	280	
40	M39014/01-0240	Capacitor, C112	200	
41	RCR20G100JS	Resistor R512	20	
42	RCR20G102JS	Resistor R107	100	
43	RCR20G105JS	Resistor R108	40	
44	RCR20G114JS	Resistor R150, R223, R224, R318	780	
45	RCR20G122JS	Resistor R107	120	
46	RCR20G124JS	Resistor R318	100	
47	RCR20G125JS	Resistor R108	20	
48	RCR20G133JS	Resistor R133	40	
49	RCR20G134JS	Resistor R108, R150, R223, R224, R318	540	
50	RCR20G152JS	Resistor R107	140	
51	RCR20G154JS	Resistor R150, R223, R318	320	
52	RCR20G155JS	Resistor R108	20	
53	RCR20G163JS	Resistor R133	1 20	

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Item No.	Part No. or Description	Nomenclature	Qty	See Note
54	RCR20G164JS	Resistor R108, R150, R223, R318	260	
55	RCR20G182JS	Resistor R107	140	
56	RCR20G184JS	Resistor R150, R223, R318	300	
57	RCR20G185JS	Resistor R108	20	
58	RCR20G200JS	Resistor R512	20	
59	RCR20G203JS	Resistor R133	200	
60	RCR20G204JS	Resistor R108, R150, R318	80	
61	RCR20G222JS	Resistor R107, R141, R130	740	
62	RCR20G224JS	Resistor R150, R223, R318	320	
63	RCR20G242JS	Resistor R107, R141, R130	460	
64	RCR20G243JS	Resistor R116, R133	300	
65	RCR20G244JS	Resistor R108, R150, R223	388	
66	RCR20G272JS	Resistor R107, R141, R130	300	
67	RCE20G273JS	Resistor R116, R133	280	
68	RCR20G273JS	Resistor R116, R133	260	
69	RCR20G274JS	Resistor R150, R223	160	
70	RCR20G300JS	Resistor R512	80	
71	RCR20G302JS	Resistor R141	160	
72	RCR20G303JS	Resistor R116, R133	360	
73	RCR20G304JS	Resistor R223, R308	100	
74	RCR20G332JS	Resistor R141	20	
75	RCR20G333JS	Resistor R116, R133	360	
76	RCR20G334JS	Resistor R108, R150, R223	300	



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Item No.	Part No. or Description	Nomenclature	Qty	See Note
77	RCR20G362JS	Resistor R141	320	
78	RCR20G364JS	Resistor R150	20	
79	RCR20G390JS	Resistor R512	200	
80	RCR20G392JS	Resistor R141	160	
81	RCR20G393JS	Resistor R116, R133	80	
82	RCR20G394JS	Resistor R223	20	
83	RCR20G432JS	Resistor R141	120	
84	RCR20G433JS	Resistor R116	20	
85	RCR20G434JS	Resistor R108	180	
86	RCR20G473JS	Resistor R116	20	
87	RCR20G510JS	Resistor R512	240	
88	RCR20G512JS	Resistor R141	60	
89	RCR20G513JS	Resistor R116	20	
90	RCR20G562JS	Resistor R141	20	
91	RCR20G563JS	Resistor R150	20	
92	RCR20G564JS	Resistor R108	180	
93	RCR20G620JS	Resistor R512	160	
94	RCR20G622JS	Resistor R141	20	
95	RCR20G623JS	Resistor R150	60	
96	RCR20G680JS	Resistor R512	160	
97	RCR20G682JS	Resistor R141	20	
98	RCR20G683JS	Resistor R150	60	
99	RCR20G684JS	Resistor R108	80	FO

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Item No.	Part No. or Description	Nomenclature	See <u>Qty Note</u>
100	RCR20G750JS	Resistor R512	120
101	RCR20G753JS	Resistor R150, R318	80
102	RCR20G823JS	Resistor R150	80
103	RCR20G824JS	Resistor R180	60
104	RCR20G913JS	Resistor R150, R318	40
105	RCR32G120JS	Resistor R509	160
106	RCR32G180JS	Resistor R509	240
107	RCR32G220JS	Resistor R509	240
108	RCR32G270JS	Resistor R509	240
109	RCR32G363JS	Resistor R143	40
110	RCR32G393JS	Resistor R143	40
111	RCR32G433JS	Resistor R143	20
112	RCR32G470JS	Resistor R509	120
113	RCR32G473JS	Resistor R143	40
114	RCR32G513JS	Resistor R143	40
115	RCR32G563JS	Resistor R143	40
116	RCR32G623JS	Resistor R143	20
117	RCR32G6R2JS	Resistor R509	200
118	RCR32G683JS	Resistor R143	20
119	RN60D1001F	Resistor R245, R246	200
120	RN60D1003F	Resistor R161, R318	80
121	RN60D1053F	Resistor R318	20
122	RN60D1101F	Resistor R245, R246	200

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Item No.	Part No. or Description	Nomenclature	Qty	See Note
123	RN60D1153F	Resistor R318	40	
124	RN60D1211F	Resistor R245, R246	200	
125	RN60D1213F	Resistor R161	80	
126	RN60D1273F	Resistor R318	60	
127	RN60D1301F	Resistor R245, R246	160	
128	RN60D1303F	Resistor R161	160	
129	RN60D1373F	Resistor R318	80	
130	RN60D1403F	Resistor R161, R318	380	
131	RN60D1433F	Resistor R161	160	
132	RN60D1473F	Resistor R161	100	
133	RN60D1501F	Resistor R245, R246	60	
134	RN60D1503F	Resistor R161	60	
135	RN60D1543F	Resistor R161	20	
136	RN60D1621F	Resistor R245, R246	60	
137	RN60D1693F	Resistor R318	60	
138	RN60D1821F	Resistor R245, R246	60	
139	RN60D2001F	Resistor R245, R246	60	
140	RN60D2211F	Resistor R245, R246	60	
141	RN60D2431F	Resistor R245, R246	60	
142	RN60D2741F	Resistor R245, R246	60	
143	RN60D3011F	Resistor R245, R246	60	
144	RN60D3321F	Resistor R245, R246	60	
145	RN60D3651F	Resistor R245, R246	60	
146	RN60D3921F	Resistor R245, R246	60	(the second sec

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Item <u>No.</u>	Part No. or Description	Nomenclature	See <u>Qty</u> Note
14 7	RN60D4321F	Resistor R245, R246	60
148	RN60D4751F	Resistor R245, R246	60
149	RN60D5111F	Resistor R245, R246	40
150	RN60D5620F	Resistor R245, R246	80
151	RN60D5621F	Resistor R245, R246	20
152	RN60D6191F	Resistor R245, R246	20
153	RN60D6810F	Resistor R245, R246	100
154	RN60D6811F	Resistor R245, R246	20
155	RN60D7501F	Resistor R245, R246	20
156	RN60D7502F	Resistor R161	20
157	RN60D8250F	Resistor R245, R246	120
158	RN60D8251F	Resistor R245, R246	20
159	RN60D7872F	Resistor R318	20
160	RN60D8252F	Resistor R318	20
161	RN60D8452F	Resistor R161	20
162	RN60D8662F	Resistor R318	20
16 3	RN60D9091F	Resistor R245, R246	20
164	RN60D9312F	Resistor R318	40
165	RN60D9532F	Resistor R161	20
166	RN60D9762F	Resistor R318	40
167	RW67V1 3 1	Resistor R239	20
168	RW67V161	Resistor R239	20
169	RW67V201	Resistor R239	40
170	RW67V221	Resistor R239	60



Item No.	Part No. or Description	Nomenclature	Qty	See <u>Note</u>
171	RW67V241	Resistor R239	80	
172	RW67V271	Resistor R239	160	
173	RW67V301	Resistor R239	180	
174	RW67V331	Resistor R239	180	
175	RW67V361	Resistor R239	180	
176	RW69V101	Resistor R147	600	1
177	RW69V820	Resistor R147	400	1
178	RW69V1R0	Resistor R240	20	
179	RW69V1R5	Resistor R240	40	
180	RW69V2R2	Resistor R240	40	
181	RW69V2R7	Resistor R240	60	
18 2	RW69V3R3	Resistor R240	200	
18 3	RW69V3R9	Resistor R240	280	
184	RW69V4R7	Resistor R240	280	·
185	RW69V5R6	Resistor R240	80	
186	RW74U1002FM	Resistor R143	20	
187	RW74U1102FM	Resistor R143	20	
188	RW74U1212FM	Resistor R143	20	
189	RW74U1302FM	Resistor R143	20	
1 90	RW74U1502FM	Resistor R143	40	
191	RW74U1622FM	Resistor R143	60	

NOTE: 1. Tube 5719 is used on an "as required" basis, quantities are based upon past experience. Resistor R147 used with this tube has Part Number RW69V820. RW69V101 used if Tube 6222 is present in Buyers AIM-9B.

Item No.	Part No. or Description	Nomenclature	Qty	See <u>Note</u>
192	RW74U1822FM	Resistor R143	80	
193	RW74U2002FM	Resistor R143	80	
194	RW74U2212FM	Resistor R143	80	
195	RW74U2432FM	Resistor R143	80	
196	RW74U2672FM	Resistor R143	60	
197	RW74U3012FM	Resistor R143	60	
198	RW74U3322FM	Resistor R143	40	
199	RW74U6811FM	Resistor R143	20	
200	RW74U7501FM	Resistor R143	20	
201	RW74U8251FM	Resistor R143	20	
202	RW74U9091FM	Resistor R143	20	
203	RW79V20R0F	Resistor R220, R238	40	
204	RW79V22R1F	Resistor R220, R238	80	
205	RW79V24R3F	Resistor R220, R238	200	
206	RW79V27R4F	Resistor R220, R238	280	
207	RW79V30R1F	Resistor R220, R238	760	
208	RW79V33R2F	Resistor R220, R238	320	
209	RW79V36R5F	Resistor R220, R238	180	
210	RW79V39R2F	Resistor R220, R238	100	
211	RW79V43R2F	Resistor R220, R238	40	
212	RWR-84S-4020FM	Resistor R239	80	
213	RWR-84S-4420FM	Resistor R239	40	
214	RWR-84S-4640FM	Resistor R239	20	



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A1.4.4 SHIPPING ITEMS

The quantities listed in this section are the <u>total</u> requirements for 1,000 AIM-9B to AIM-9J GCU modification kits.

Item No.	Part No. or Description	Nomenclature	Qty	Unit
1	132695-1	Dust Cap	1000	each
2	132696-1	Extractor	1000	each
3	1516549	Cushion, Nose	500	each
4	1516550	Cushion, Rear	500	each
5	1516469	Cover Assembly	500	each
6	ARD 7049	Confidential Tag	1000	each
7	MS51938-5	Seal	2000	each
8	MS20003-2	Indicator, Humidity	500	each
9	16 Unit Bags MIL-D-3464	Desiccant	1000	each
10	Ref MIL-STD-129	Label, Method II	1000	each
11	Polyethylene 4 MIL 3" x 4"	Bag	1000	each
12	1516440	Container Canard	500	each
13	130885	Dunnage Canard	500	each



A1.4.5 REPLACEMENT PARTS

Quantities shown in this list are to support modification of 1,000 AIM-9B GCU's to the AIM-9J GCU configuration.

Item <u>No.</u>	Part No. or Description	Nomenclature	Part No. of Alternate Part	Qty	See <u>Note</u>
1	3055B	Terminal, Stud		266	
2	1522521 - 1	Screw, Machine		100	
3	1522521 - 5	Screw		134	
4	1522524-1	Nut, Hex		100	
5	1522525 - 2	Rivet, Tubular		140	
6	1522525 - 5	Rivet, Tubular		450	
7	1522526 - 1	Rivet		40	
8	1522591	Transformer		58	
9	1522592	Connector		440	
10	1522594-1	Resistor, R218, R219, R236, R237		322	
11	1522594-2	Resistor		20	
12	1522594 - 3	Resistor		26	
13	1522594-8	Resistor		36	
14	1522594 - 16	Resistor, R322 thru R324		52	
15	1522595-2	Capacitor		492	
16	1537351 - 6	Washer, Lock		10	
17	1537354	Nut, Self Lock		78	
18	1537366-1	Terminal Stud		70	
19	1537366-2	Terminal		338	



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Item <u>No.</u>	Part No. or Description	Nomenclature	Part No. of Alternate Part	<u>Qty</u>	See <u>Note</u>
20	1537495	Terminal		50	
21	1537496 - 3	Terminal		1108	
22	1537511	Plug, Machine		1298	
23	1537514	Nut, Plain, Knurled		70	
24	1537519 - 2	Holder, Capacitor		14	
25	1537520	Bracket, Angle		16	
26	1537527	Terminal		118	
27	1537540	Tube, Electron V104, V105	6112A	312	
28	1537559	Spring	122990	8	
29	1537560	Spring, Helical		86	
30	1537569	Terminal, Insulated		4278	
31	1537570 - 1	Terminal Stud		4	
32	1537589	Angle Bracket		14	
33	1537591	Resistor R215, R233	123341	556	
34	1537607	Terminal		76	
35	1537614 - 3	Terminal		200	
36	1537564	Holder, Capacitor		100	
37	1554719	Printed Wiring Board		6	
38	1554721 - 1	Capacitor, C102, C103		46	
39	1559257 - 1	Terminal Board TB2		278	
40	1564946	Connector, P103, P202		54	
41	1564957	Reactor, L204	912144	34	



Item <u>No.</u>	Part No. or <u>Description</u>	Nomenclature	Part No. of <u>Alternate Part</u>	<u>Qty</u>	See Note
42	1564966	Capacitor, C201		32	
43	1564976	Pin, Straight Threads		76	
44	1564988	Tube, Shield		20	
45	1583908 - 1	Reactor, L203		1 3 4	
46	1583908 - 2	Reactor, L301		76	
47	1583911 - 6	Capacitor C303, C311	904342-1	98	
48	1583911 - 7	Capacitor C308	904342-3	62	
49	1583911 - 10	Capacitor		22	
50	1583911 - 13	Capacitor, C205	904342-2	42	
51	1583911 - 14	Capacitor C301, C302, C304, C305	904342 - 4	562	
52	1583911 - 18	Capacitor		4	
53	1583928-1	Connector, P101		102	
54	1583929	Transformer, T101	912151	60	
55	1583932	Transformer		16	
56	1583965 - 1	Semiconductor, CR101 thru CR103	1583965-3 or JAN1N645	936	
57	1583965 - 3	Semiconductor, CR301 thru CR303	1583965-1 or JAN1N645	1 332	
58	1583965-4	Semiconductor, CR201 thru CR208, CR217, CR218, CR225, CR306, CR307	1583965-2 or JAN1N914	220	
59	1583967	Semiconductor	JAN1N645	126	
60	1583988	Semiconductor	JAN1N645	126	



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Item <u>No.</u>	Part No. or Description	Nomenclature	Part No. of Alternate Part	Qty	See <u>Note</u>
61	1586011	Angle Bracket		40	
62	1634186 - 1	Terminal Board TB1		228	
63	1634186 - 2	Terminal Board TB3		146	
64	1634187	Insulator Plate		6	
65	1634188	Insulator Plate		30	
66	1634190	Terminal Board Subassembly		26	
67	1634191	Insulating Sheet		26	
68	1634192	Insulating Sheet		26	
69	1634209	Circuit Board Assembly		8	
70	1634232 - 1	Capacitor, C2O2	904339 - 3	2 38	
71	1652992	Circuit Board Assembly		6	
72	1653079 - 1	Circuit Board Assembly		6	
73	1701204	Stud, Extension		30	
74	1701212	Mounting Nut		6	
75	1701218	Nut, Spacer		1 9 4	
76	1701219	Nut		220	
77	1701231	Resistor		126	
78	1738420-1	E Section Skin		68	
79	1739412-1	Semiconductor		840	
80	1739414	Insulation Sheet		16	
81	1739415	Reactor, L201, L205	912152	42	
82	1804129	Transformer, T201		1 2 0	FO

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Item <u>No.</u>	Part No. or Description	Nomenclature	Part No. of <u>Alternate Part</u>	Qty	See <u>Note</u>
83	AN515PB6-5	Screw, Machine		6	
84	AN515PB8-6	Screw		200	
85	AN931-4-7	Grommet, Rubber		300	
86	AN936A3	Washer, Lock		1450	
87	AN936A6	Washer, Lock		500	
88	CM15E151K	Capacitor, C131		354	
89	CP04A1KE103K3	Capacitor, C307		28	
90	CP04A1KC473K3	Capacitor, C315		358	
91	CP04A3KC473K3	Capacitor, C313		78	
92	CP08A1KB473K3	Capacitor, Cl25		542	
93	CP08A3KB104K3	Capacitor, C106		156	
94	CP08A3KB473K3	Capacitor		40	
95	JAN1N483B	Semiconductor		8 23 0	
96	JAN6021	Tube, Electron, V305		324	
97	MIL-E-1/1656	Tube, Vacuum, V201	5840W	416	
98	MIL-E-1/97	Tube, Vacuum, V103	1537539, 5899	228	
99	MS9461-01	Ball Bearing	1	13,500	
100	MS17122-6	Terminal		1000	
101	MS20613-2C2	Rivet, Solid		8	
102	MS35229-28	Screw, Panhead		50	
103	MS35338-97	Washer, Lock		550	
104	MS35338-99	Washer, Lock		200	



Item No.	Part No. or Description	Nomenclature	Part No. of Alternate Part	<u>Qty</u>	See Note
105	RC20GF104J	Resistor R144, R103 R311, R308		300	1
106	RC20GF105J	Resistor R128, R132, R230		2 58	1
107	RCR20GF112J	Resistor		120	
108	RC20GF121K	Resistor R114		844	1
109	RC20GF152J	Resistor R107, R321		44	1
110	RC20GF153JS	Resistor R149, R310		186	1
111	RC20GF154J	Resistor R312, R318, R319		56	1
112	RC20GF155J	Resistor R108, R111		250	1
113	RC20GF221K	Resistor R306		48	1
114	RC20GF222J	Resistor R107, R141, R309		48	1
115	RC32GF222J	Resistor R221		104	2
116	RC20GF223J	Resistor R112, R320		114	1
117	RC20GF224K	Resistor R129, R131, R145, R223, R301, R302, R304		266	1
118	RC20GF225K	Resistor R316		30	1
119	RCR20GF272J	Resistor		100	
120	RCR20GF301J	Resistor		250	
121	RC20GF334J	Resistor R115		54	1

NOTES: 1. RCR 20GXXXJS Resistors are alternate parts. 2. RCR 32G222JS Resistor is an alternate part.

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Item No.	Part No. or <u>Description</u>	Nomenclature	Part No. of <u>Alternate Part</u>	Qty	See <u>Note</u>
122	RC20GF473K	Resistor R146		64	1
123	RC20GF474K	Resistor R106, R110		208	1
124	RC20GF682K	Resistor R113, R141		88	1
125	RC20GF683J	Resistor R142, R150 R303		138	1
126	RCR20GF302J	Resistor		350	
127	RN60D1501F	Resistor R204 thru R210, R223		1050	
128	RN69V430	Resistor		148	

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ANNEX 2

AN/ASM-447 FIELD TEST SETS

A2.1 AN/ASM-447 TEST SET

Field Test Sets shall be fabricated in accordance with drawing 120603 and specification AS130380.

A2.1.1 AIM-9J FIELD TEST SET CALIBRATION ADAPTER BOXES

The Adapter Box is used during calibration to provide for access to the test set umbilical connector. In addition, the box contains three load resistors which are used to simulate the GCU loads on the test set power supply. The FTS Calibration Adapter Boxes shall be fabricated in accordance with drawing 130936.

A2.1.2 AIM-9J FIELD TEST SET TORQUE TOOL ADAPTERS

The FTS Torque Tool Adapters shall be fabricated in accordance with drawing 123201.

ANNEX 3

MODIFICATION OF THE AIM-9E DEPOT FACILITY TO PROVIDE AN AIM-9J GCU CAPABILITY

A3.1 GENERAL

This annex describes the necessary modifications to the AIM-9E Guidance and Control Depot Facility to provide the capability to modify, test, analyze, and repair AIM-9E and AIM-9J Guidance and Control Units. This facility will include the following capabilities and characteristics:

- A capability of testing and repairing Sidewinder Guidance and Control Units, designated as AIM-9E or AIM-9J.
- (2) A capability of a combined test and overhaul rate of 50 Guidance and Control Units per month based on a normal 40-hour work week on a single shift basis.
- (3) The special equipment will conform to good commercial manufacturing standards and Seller's quality standards pertaining to components, material and workmanship.
- (4) A capability of testing and repairing the AN/ASM-447 test set.

This annex also includes a description of depot modification training and Technical services required to train depot personnel.

A3.2 UTILITIES AND FACILITIES REQUIRED

The present depot utilities and facilities must be adequate to permit modifications necessary to add an AIM-9J GCU capability.

A3.3 DEPOT FACILITY MODIFICATION

The modified facility shall have the capability to permit testing, analysis, and repair of the Sidewinder AIM-9J and AIM-9E GCU's in accordance with Systems Specifications. Environmental testing exclusive of vibration, is not part of this modified depot capability.



The existing test facility provides the capability to evaluate, analyze and repair the AIM-9E GCU to the levels tabulated below. The modification of this facility will provide the same capability for the AIM-9J GCU and will retain this same capability for the AIM-9E GCU.

Basic Capability

Guidance and Control unit (complete) Seeker/Electronics Seeker Assembly Electronic Chassis Major Servo Components Wiring Harness Umbilical

Dome/Housing Assembly Head Coil Assembly Gyro Assembly Cell (CDU) Preamplifier Seeker Card Gimbal/Optical Barrel Optical Assembly

A3.3.1 MODIFIED TEST POSITIONS - AIM-9J

The existing test positions which must be modified to provide the AIM-9J GCU capability are:

TTL-251-1	Automatic Systems Test
TTL-251-2	Manual System/Seeker Electronics Test
TTL-251-3	System Boresight Test
TTL-251-4	System and Rocker Arm Crystal Test
TTL-251-9	Servo Pneumatic Test
TTL-251-10	Magnetic Amplifier and Servo Test
TTL-251-11	Piston Matching Test
TTL-251-12	Navigation Constant Test
TTL-251-7	Magnetic Amplifier Test
TTL-251-5	Servo Continuity

Supplement to Annex 3 describes in detail the modifications that are to be made to the above stations to permit test of the AIM-9J GCU.



A3.4 SPECIAL TOOLS - AIM-9J GCU

The special tools listed below will support the GCU disassembly, test, repair and assembly to the level defined in Paragraph A3.3 of this Annex.

A3.4.1 SYSTEM LEVEL - AIM-9J

Tool Number	Description	Quantity
IPE-4885 (Mod.)	Final Assembly Fixture, G&C	1
PE	Gas Generator Torque Wrench	1
PE	Gas Generator Hand Wrench	1
IPE-4887 (Mod.)	Disassembly Fixture for G&C	1
IPE-2567 (New)	G&C Unit Storage Fixture	15
PE	Rocker and Boot Paint Mask	1000
IPE-4242	Boot Cement Fixture	12

A3.4.2 SERVO LEVEL - AIM-9J

<u>Tool Number</u>	Description	Quantity
PE	Servo Horizontal Assembly Fixture	1
PE	Servo Vertical Storage Fixture	5
PE	Orifice Insertion Fixture	1
PE	Orifice Staking Fixture	1
PE	Filter, Orifice, Staker	1
PE	Filter, Gas, Staking Tool	1
PE	Blow Out Plug Torque Wrench	1
PE	Igniter Nut Torque Wrench	1
PE	Igniter Nut Hand Wrench	1
PE	Relief Valve Torque Wrench	1
PE	Relief Valve Hand Wrench	1
PE	Gas Generator Stencil	1000
PE	Servo In-Line Assembly Fixture	1

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A3.5 AN/ASM-447 FIELD TEST SET DEPOT TEST EQUIPMENT

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Seller shall provide the following listed test station which includes the test equipment as detailed below. This test equipment will provide major repair and calibration capability for the field test set in addition to the current capability for field repair.

Item Description	Quantity <u>Required</u>
Oscilloscope R561B	1
Dual Trace Amplifier 3A6	1
Time Base 3B4	1
Voltmeter 4300	1
Rack Mounting Flanges 403655	1
Oscillator 3300A	1
Plug In 3301A	1
Power Supply 62024C	4
Race Mounting Tray 62410A	1
Rack Tray Front Panel 62411A	1
Power Supply 6384A	1
Rack Adapter 5060-8764	1
RMS Voltmeter 3400A	1
Rack Adapter 5060-8762	1
X-Y Recorder 7044A	1
Time Base CPT001	1
Counter 5326A	1
Clip on Milliammeter 428BR	1
Decade Box 240C	1
20,000-2-NC-19-C-36-BR-24-N	1
Cabinet 2-Bay W/Castors	
Desk Top 82020-2	1
Rear Tapped Angle 5037	2 PR
Adjustable Channel 5638-19	4 PR
Shelf Angle 56	10 PR
Blower 2E300A	2
Power Outlet Strip POS-7	2
SFSW-10F8D-S13GY Pan-L-Screw	1 PK of 100
Leads Interconnection	AR



A3.6 DOCUMENTATION

A3.6.1 DEPOT FACILITY DOCUMENTATION

Two copies of the following documentation shall be furnished to the Buyer in the English language and the Seller's format:

- (1) Tool drawings.
- (2) Test procedures for each test station.
- (3) Maintenance and calibration procedures for each test station.
- (4) Electrical schematics for all special test panels, fixtures, jigs and etc., furnished.
- (5) Interconnecting cabling diagrams for each test station.
- (6) Parts lists for all special test panels, fixtures, jigs and etc., furnished.
- (7) Two copies of handbook furnished by manufacturer for each piece of standard commercial equipment furnished.
- (8) Fabrication drawings of equipments are not included in this Statement of Work.
- (9) Signal Flow diagrams covering input and outputs for special panels.
- (10) Voltage, Waveform, and Resistance charts for special panels.

A3.6.2 AIM-9J GCU AND AN/ASM-447 FIELD TEST SET DOCUMENTATION

Two copies of the following documentation shall be furnished to the Buyer in the English language and the Seller's format.

- (1) AS120532 (C) GCU Specification
- (2) AS1321/68 (C) Seeker Specification
- (3) 131292 Precession Amplifier Schematic
- (4) Other drawings, specifications, and schematics which detail certain components and materials.

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A3.6.3 TECHNICAL MANUALS (T.O.'s)

The below listed T.O.'s should be procured by the Buyer directly from the U.S. Government:

	T.O. Number	Short Title
(1)	21M-AIM-9J-2CL-1	Organization Maintenance Checklist for AIM-9J
(2)	21M-AIM-9J-4	Illustrated Parts Breakdown for AIM-9J
(3)	21M-AIM-9J-6	Inspection Requirements for AIM-9J
(4)	11A15-1-157	Inspection and Storage for AIM-9B/E/J Explosive Components
(5)	33D9-3-254-1	Maintenance and IPB for AN/ASM-447

A3.7 INDUSTRIAL ENGINEERING SERVICES

Two copies of the following Industrial Engineering procedures will be furnished to the Buyer in the English language and the format selected by Seller:

- (1) Facilities Layout and Process Flow.
- (2) Test Sequence Incoming/Outgoing Flow.
- (3) Assembly and disassembly instructions for all configurations.
- (4) Individual work-station layout.
- (5) List of all standard tools required to supplement special tools supplied and their usage.

A3.8 TRAINING

A3.8.1 GENERAL

Seller will provide training at the Buyer's Depot in the use of AIM-9J Depot equipment and field test sets. All instruction material and instructions will be in the English language. Therefore, all students must be fluent in both spoken and written English.



A3.8.2 DEPOT MODIFICATION TRAINING

a. Training will be conducted by Seller technical personnel in two phases. The first phase will be general Sidewinder Guidance Section review; the second and major phase will be on-the-job training at the Test Stations with AIM-9J hardware.

b. Semiformal classroom discussions will utilize simplified block diagrams, functional flow charts and descriptive diagrams prepared by Seller technical personnel. This information will be general in nature and 20 copies will be presented as permanent retention material in loose plastic-binder form. No more than 15 Buyer technical personnel should be present at this presentation.

c. Overhaul and Test Station explanation and training utilizing actual AIM-9J hardware will be conducted on the test equipment. Seller's personnel will perform the first test and repair while explaining what and why, with user personnel observing. Buyer's personnel will then disassemble, assemble, perform tests, and install components with the Seller's instructor observing.

d. Course objectives and outlines for the general theory and on-thejob training portions with time allocations and schedules will be presented to the user for review 30 days before equipment delivery.

e. User test station operators and technical personnel should feel free to discuss problems with the instructors at any time after the particular Test Station training has been completed. Such discussions must not conflict with the normal schedule published for the accomplishment of the training segment of the overhaul facility, but may occur during break periods and after the normal working day.

f. The Depot training period will extend for eight weeks of normal eight-hour days and five-day weeks, after installation and final acceptance of the equipment has been accomplished.

g. The maintenance and calibration training will be accomplished during the initial installation, check-out and calibration of the equipment. This phase will be accomplished with the maintenance and calibration personnel prior to acceptance of the equipment.

A3.8.3 MODIFICATION KIT TRAINING

a. Training will be conducted by Seller technical personnel in two phases. The first phase will be semiformal AIM-9J classroom instruction; the second phase will be on-the-job training utilizing Modification Kits and Depot Test Stations.

b. The classroom instruction will stress AIM-9E/9J differences, modification processes, and Depot hardware flow. Modification procedures will be utilized with additional training aids demonstrated to enhance classroom instruction. All modification procedures will be provided for permanent retention at the Depot.

c. On-the-job training will commence with instructor demonstrations on all aspects of GCU modification. Subsequently, students will be instructed and assisted during actual hardware modification.

d. The students for the Modification Kit training must have previously received the Depot training described above for the instruction to be effective.

e. The Modification Kit training will extend for 4 weeks of normal eight-hour days and five day weeks, commencing concurrent with the Depot training where practical.

A3.8.4 FIELD TEST SET TRAINING

Seller shall provide two courses of instruction, including instructional materials in the Theory of Operation, Operation of the Field Test Set, Testing AIM-9J GCU's, Maintenance, and Calibration of the AN/ASM-447 Field Test Set. The courses shall be as described below.

A3.8.4.1 Course Number 1 will consist of eight hours of instruction in procedures covering the operation of the AN/ASM-447 Field Test Set and testing of AIM-9J GCU's. This course will be conducted twice, and will be limited to a maximum of fifteen students in each of the two classes offered. The students selected for this course must be proficient in oral and written English and have the ability to understand written procedures relating to the operation of electronic test equipment and be proficient in the use of hand tools.

A3.8.4.2 Course Number 2 will consist of 120 hours of instruction in the Theory of Operation, AN/ASM-447 Field Test Set Operating Procedures, Calibration, Maintenance, and Testing of AIM-9J GCU's. This course will be conducted once and will be limited to a maximum of fifteen students who must be advanced electronics technicians proficient in oral and written English with a good understanding of electronic system theory and familiar with the maintenance and calibration of electronic test equipment. A3.8.4.3 The training courses are based on a 40 hour week. Instruction, instructional material, reports, manuals, documentation or memoranda used or developed will be in the English language.

A3.9 AIM-9J DEPOT TECHNICAL SERVICES

A3.9.1 GENERAL

Seller agrees to provide technical assistance and support to the Buyer's depot personnel for a period of twelve continuous months in accordance with the Performance and Delivery Schedule set forth on Page 4. The depot technical assistance will commence upon completion of depot training.

A3.9.2 TECHNICAL ASSISTANCE AND SUPPORT SERVICES

A3.9.2.1 Seller shall provide experienced personnel to assist the Buyer in AIM-9B/J depot operations including, but not limited to:

- Modification of AIM-9B GCU's to the AIM-9J configuration.
- (2) Diagnostic techniques as applied to overhaul and repair of AIM-9J GCU's.
- (3) Diagnostic techniques as applied to overhaul and repair of AN/ASM-447 Field Test Sets.
- (4) Operation and maintenance of depot test equipment.
- (5) Continued training of Buyer's depot personnel.
- (6) Liaison with Seller's personnel in the United States with regard to modification, maintenance and repair matters.

The technical assistance and support service including any reports, manuals, procedures, documentation or memoranda utilized in or arising from this effort will be in the English language.



A3.9.2.2 Due to the highly specialized nature of the AIM-9 technology, personnel provided by the Seller will be experienced primarily in either GCU overhaul, repair and testing, or GCU modification. The technical assistance and support to be provided by Seller will be at a level deemed necessary to support the depot while operating at a modification rate of approximately 50 units per month.

A3.9.2.3 For this assistance and support, two personnel will be provided by Seller as follows:

- (1) One man assigned primarily to support the modification process.
- (2) One man assigned to support overhaul repair and test operations.

A3.9.2.4 Seller may, at Seller's discretion, but without affecting the quality or nature of the assistance and support provided, make changes in Seller's personnel from time to time. Buyer will be advised of any such changes in writing.

SUPPLEMENT TO ANNEX 3

DETAILED MODIFICATIONS TO DEPOT TEST STATIONS TO ADD AIM-9J CAPABILITY

SA3.1 UTILITIES AND FACILITIES REQUIRED

No additional utilities or facilities are required for the modification of the AIM-9E Depot facility to provide an AIM-9J capability.

SA3.2 TEST EQUIPMENT MODIFICATION - AIM-9J GCU DEPOT FACILITY

The following test positions will be modified by revising existing test equipment or providing new test equipment and fixtures to the extent described to provide an expansion of the AIM-9E/AIM-9B Depot Facility to incorporate the AIM-9J capability.

SA3.2.1 MODIFIED TEST POSITIONS - SYSTEMS LEVEL

SA3.2.1.1 TTL-251-1 (MODIFIED) AUTOMATIC SYSTEM TEST

This modified automatic test position will provide a capability for acceptance testing of the AIM-9J G&C in accordance with the specification. The following equipments and fixtures will be modified or added to the test position for the AIM-9J capability.

Elements of the test position requiring modification are:

Description	Part Number
Rate Table Carriage	TJ-5812 (modified)
Servo Air Adapter	TJ-5927 (new)
Torque Transducer	TJ-5924 (new)
Test Fins	TJ-5926 (new)
Program Tapes	New for AIM-9J

SA3.2.1.2 TTL-251-2 (MODIFIED) MANUAL SYSTEM/SEEKER TEST

This modified manually operated test position will be capable of performing trouble analysis on a split G&C (seeker electronics and servo) and of performing test, analysis, and mating of components at the seeker and electronics level. After incorporation of the AIM-9J capability, the original test position will contain the following new or modified instrumentation and fixtures.

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Elements requiring modification are:

Description	Part Number
Rate Table Carriage	TJ-5812 (modified)
Test Fins	TJ-5926 (new)
Torque Transducer	TJ-5924 (new)
Servo Air Adapter	TJ-5927 (new)
Torque Transducer Holder	TJ-5925 (new)

SA3.2.1.3 TTL-251-3 (MODIFIED) SYSTEM BORESIGHT

This modified test position will be capable of measuring the AIM-9J boresight error. After modification for the AIM-9J, the original test position will contain the following modified fixture.

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Elements requiring modification are:

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Description	Part Number
Boresight Fixture	TJ-5150 (modified)

SA3.2.1.4 TTL-251-4 (MODIFIED) SYSTEM AND ROCKER ARM CRYSTAL TEST

This modified manually operated test position will be capable of performing in-process test for the rocker arm assembly of the AIM-9J.

	Description	Part Number
Rocker	Arm Crystal Fixture	TJ-5124

SA3.2.1.5 TTL-251-12 NAVIGATION CONSTANT TEST

This modified test position will be capable of measurement and adjustment of AIM-9J navigation constant system balance and internal power capability.

Description	Part Number
Test Fins	TJ-5926 (new)
Servo Air Adapter	TJ-5927 (new)
Torque Transducer	TJ-5924 (new)
Transducer Holder	TJ-5925 (new)



SA3.2.1.6 TTL-251-7 MAGNETIC AMPLIFIER TEST

This modified test position will be capable of testing the torque feedback circuit card of the AIM-9J servo.

Elements of the test position requiring modification are:

Description	Part	Number
Test Fixture	TJ - 5930	(new)
Test Adapter	TE-6589	(new)
Control Panel	TE-6346	(modified)

SA3.2.2 MODIFIED TEST POSITIONS - SERVO LEVEL

SA3.2.2.1 TTL-251-9 SERVO PNEUMATIC TEST

This modified test position will be capable of performing AIM-9J servo impedance, cylinder block, and pneumatic unbalance measurements.

The elements of the test position to be added and/or modified are:

Description	<u>Part Number</u>
Cylinder Block Test Fixture	TJ - 5601 (new)
Servo Air Adapter	TJ-5927 (new)

SA3.2.2.2 TTL-251-10 MAGNETIC AMPLIFIER AND SERVO TEST

This modified test position will be capable of performing test, adjustment and matching of the AIM-9J magnetic amplifier and servo.

Elements of the test position to be added and/or modified are:

Description	Part	Number
Torque Transducer	TJ-5924	(new)
Transducer Holder	TJ - 5925	(new)
Control Panel	TE-6573	(modified)
Cylinder Block Holder	TJ - 5929	(new)
Resistor Selector	TE-6574	(modified)
Magnetic Amplifier Simulator	TE-6590	(new)



SA3.2.2.3 TTL-251-11 PISTON CALIBRATION AND MATCHING TEST

This modified test position will be capable of testing and adjusting the AIM-9J pistons and performing servo hysteresis measurements on the AIM-9J servo.

Elements of the test position to be modified are:

Description	Part Number
Torque Transducer	TJ-5924 (new)
Transducer Holder	TJ-5925 (new)
Power Supply (current)	EM-633CM/9TE-0847 (additional)
Servo Air Adapter	TJ-5927 (new)
Test Fins	TJ-5926 (new)

SA3.2.2.4 TTL-251-12 SERVO CONTINUITY TEST

This modified test position will be capable of measuring continuity, resistance, and electrical leakage between available points of the AIM-9J servo.

Elements of the test position to be added are:

Description

Part Number

Adapters Cable

new

SA3.3 TEST EQUIPMENT SPARE PARTS - AIM-9J FACILITY

The seller will furnish necessary spare parts to support the modification elements.

SA3.4 INDUSTRIAL ENGINEERING SERVICES

Industrial Engineering Services required to support the facility modification are included.

SA3.5 DOCUMENTATION

Documentation of modified or new elements provided as part of this supplement will be furnished to the buyer.



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Philco-Ford Corporation Aeronutronic Division Newport Beach, Calif. • 92663



NATIONAL SECURITY COUNCIL WASHINGTON, D.C. 20506

-CONFIDENTIAL GDS

MEMORANDUM FOR

John A. Wickham, Jr. Major General, U.S. Army Military Assistant to the Secretary Department of Defense

SUBJECT:

Decisions Regarding Supply of Military Equipment to Taiwan and Deactivation of the 327th Air Division

The Assistant to the President for National Security Affairs has approved the following request for transfer of major items of U.S. military equipment to the Republic of China:

-- Three excess T-28C trainer aircraft (memorandum from the Deputy Secretary of Defense, dated March 7, 1975) (1975).

-- Four excess S-2E anti-submarine warfare (ASW) aircraft (memorandum from the Deputy Secretary of Defense, dated April 1, 1975)

-- Two ocean-going minesweepers (MSOs) (memorandum from the Deputy Secretary of Defense, dated February 21, 1975) (Table 7).

-- One thousand AIM-9J (sidewinder missile conversion kits (memorandum from George S. Springsteen, Executive Secretary, Department of State, dated November 7, 1974) (Tab D)).

The Assistant to the President for National Security Affairs also has approved deactivation of the 327th Air Division and related support activities in Taipei Air Station with a small contingent of USAF air

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control personnel to be retained at the ROC air operations center. The ROC should be informed of this move in a low-key approach through military channels.

> Jeanne W. Davis Staff Secretary

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NATIONAL ARCHIVES AND RECORDS ADMINISTRATION Presidential Libraries Withdrawal Sheet

WITHDRAWAL ID 012659

REASON FOR WITHDRAWAL .		. National security restriction
TYPE OF MATERIAL		. Memorandum
CREATOR'S NAME		
TITLE	• •	. Functions of the U.S. Air Force 327th Air Division on Taiwan
CREATION DATE		. 02/19/1975
VOLUME	• •	. 2 pages
COLLECTION/SERIES/FOLDER COLLECTION TITLE		 032400119 NATIONAL SECURITY ADVISER. PRESIDENTIAL COUNTRY FILES FOR EAST ASIA AND THE PACIFIC
BOX NUMBER		
DATE WITHDRAWN WITHDRAWING ARCHIVIST .		
		Pareized 4/16/02

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MEMORANDUM

NATIONAL SECURITY COUNCIL

TOP SECRET/SENSITIVE X

MEMORANDUM FOR:

XGDS (3)

URGENT INFORMATION

February 19, 1975

GENERAL SCOWCROFT

JOHN A. FROEBE, JR.

SUBJECT:

FROM:

Functions of the U.S. Air Force 327th Air Division on Taiwan

You have asked what the functions of our 327th Air Division on Taiwan are.

My understanding of its functions, based on my own experience during the late 1960s and early 1970s, as the Political-Military Affairs Officer first in Embassy Taipei and subsequently on the ROC Desk in State, are the following:

-- To serve as the Air Force component contingency command subordinate to the Taiwan Defense Command, which is our principal contingency command on Taiwan and is a unified subcommand under CINCPAC. (The Army and Navy component contingency commands consist of only a handful of persons in each case, and thus are not comparable to the 327th in the ROC's eyes.)

-- To help operate the U.S.-ROC joint Air Operations Center, located in Taipei, which supervises day-to-day air defense operations for Taiwan.

-- To serve as a supervising administrative headquarters for our major Air Force operational units on Taiwan -- our two F-4 squadrons (one of which was removed last July) and formerly our C-130 wing.

The 327th Air Division, with its headquarters in Taipei and which presently has about 400 personnel, also has a political significance, which gives it an importance beyond the strictly military functions which it performs. Its one-star commander is one of three general and flag officers who have been assigned to our units in Taiwan over the past 20 years. (The other two are the Vice Admiral who commands the Taiwan Defense Command and the two-star officer who heads MAAG.)

TOP SECRET/SENSITIVE XGDS (3)

DÉCLASSIFIED • E.O. 12958 Sec. 3.6 With PORTIONS EXEMPTED E.O. 12958 Sec. 1.5 (4)

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TOP SECRET/SENSITIVE

State and Defense now contend that the 327th Air Division has no significant functions beyond those related to support of the remaining F-4 squadron, and that the Division can easily and quickly be scaled down to a handful of men necessary for contingency planning functions. The Departments maintain that Ambassador Unger therefore should tack the 327th's removal onto the F-4 withdrawal package, and should inform Premier Chiang Ching-kuo of this at the same time he tells the Premier that we plan to put CCK on caretaker status as part of the F-4 removal.

Premier Chiang knows very well the range of functions that the 327th Air Division performs. He will also remember that last April, when Ambassador McConaughy told him of our plan to remove the two F-4 squadrons the Ambassador also said that this was all that there would be to this tranche. Putting CCK Air Base on caretaker status is, nevertheless, a logical part of this package. The removal of the 327th Air Division is not, and would make us lose credibility with Premier Chiang and make him lose credibility with his military leadership and others.

I believe that our recommendation of last December to Secretary Kissinger, which he approved, was correct: that we examine the 327th Air Division's possible removal as a part of the next tranche of reductions that would be made sometime in $\mp Y$ 76.

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NATIONAL ARCHIVES AND RECORDS ADMINISTRATION Presidential Libraries Withdrawal Sheet

WITHDRAWAL ID 012660

REASON FOR WITHDRAWAL .		National security restriction
TYPE OF MATERIAL		Memorandum
CREATOR'S NAME		Henry A. Kissinger Assistant to the President for National Security Affairs
RECEIVER'S NAME		The Deputy Secretary of Defense
TITLE	• • •	Changes in U.S. Force Deployments on Taiwan
CREATION DATE		12/1974
VOLUME		1 page
COLLECTION/SERIES/FOLDER J COLLECTION TITLE		032400119 NATIONAL SECURITY ADVISER. PRESIDENTIAL COUNTRY FILES FOR EAST ASIA AND THE PACIFIC
BOX NUMBER		
DATE WITHDRAWN		

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THE WHITE HOUSE WASHINGTON

SEGRET/SENSITIVE (XGDS)(3)

MEMORANDUM FOR

THE DEPUTY SECRETARY OF DEFENSE

SUBJECT:

Changes in U.S. Force Deployments on Taiwan

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I have reviewed your memorandum of December 9, 1974, concerning overseas base realignments. As regards U.S. force deployments on Taiwan, it has been decided that:

-- Ching Chuang Kang Air Base should be placed in caretaker status after the U.S. Air Force F-4 squadron now stationed there has been withdrawn.

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-- Headquarters 327th Air Division should not be deactivated.

The Thailand portion of your memorandum has been dealt with in NSDM 286.

Henry A. Kissinger

cc: Dup die of State

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MR 01-169 # 5: Dr. er 4/1/02

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DOC RECD S NBR INITIAL ACTION O **VSC CORRESPONDENCE PROFILE** MO DA MO DA HR 0204 4 1EnEnts CIRCLE AS APPROPRIATE 6 REFERENCE: SOURCEYCLASS/DESCRIPTION FROM: KISSINGER, H TO: PRES UNCLAS LOG IN/OUT c/c 910 × OTHER. LOU NO FORN KISSINGER _ COLBY, W NODIS 0 SCOWCROFT_ SCHLESINGER, J EYES ONLY EXDIS DAVIS ST EX SEC. s CODEWORD SENSLTIVE TS uest n Xce nti-SUBJECT Waylace INTERNAL ROUTING AND DISTRIBUTION REC ACTION REQUIRED ACTION INFO CY MEMO FOR HAK ADVANCE CYS TO HAK/SCOWCROFT MEMO FOR PRES STAFF SECRETARY ASGM REPLY FOR X FAR EAST STUBS × APPROPRIATE ACTION ACTION CUR SALLARAN AFRICA BEINES 2 MID EAST / NO. AFRICA / SO. ASIA RECOMMENDATIONS EUROPE / CANADA DISTRIBUTION/INITIAL LATIN AMERICA REFER TO_ FOR: UNITED NATIONS ECONOMIC CONCURRENCE. SCIENTIFIC DUE DATE: 4 PROGRAM ANALYSIS NSC PLANNING COMMENTS: (INCLUDING SPECIAL INSTRUCTIONS) CONGRESSIONAL OCEANS POLICY INTEL LICENCE × rsm 5 nen FROM UBSEQUENT ACTION REQUIRED (OR TAKEN): CY TO DATE то S 503. 150 ORD SUBSEQUENT ROUTING/ACTIONS 0 6 5 BIKS C R DISPATCH. INSTI CY ROMTS: SEE ABOVE PLUS:_ 001,2.1 1975 Or NOTIFY___ & DATE_ BY DISP SPECIAL DISPOSITION: _ CRT ID: SA SF CROSS REF W/250 3348 7501134 501457 750/068 OPEN. HP NS ISC/S CLOSE EP SUSPENSE CY ATTACHED: _ FOLDER: WH (NBC-74-21) 533-147) delete 19/18/25