

No. 27459

**AUSTRALIA
and
UNITED STATES OF AMERICA**

**Agreement concerning defense communications services
(with annexes). Signed at Canberra on 6 November 1989**

Authentic text: English.

Registered by Australia on 30 July 1990.

**AUSTRALIE
et
ÉTATS-UNIS D'AMÉRIQUE**

**Accord relatif aux services de communications en matière de
défense (avec annexes). Signé à Canberra le 6 novembre
1989**

Texte authentique : anglais.

Enregistré par l'Australie le 30 juillet 1990.

AGREEMENT¹ BETWEEN THE GOVERNMENT OF AUSTRALIA
AND THE GOVERNMENT OF THE UNITED STATES OF AMERICA
CONCERNING DEFENSE COMMUNICATIONS SERVICES

The Government of Australia, and the Government of the
United States of America, (the "Parties"):

- RECOGNISING the need for improvement in
telecommunications service affecting defense
communications channels and record message traffic between
the Department of Defense of the United States of America
(USDOD) and the Department of Defence of Australia (ASDOD);
- NOTING that the Australian Defence Communications System
(ASDCS) and the United States Defense Communications
System (USDCS) are interconnected via limited
telecommunications channels and presently exchange
narrative record traffic through a direct, on-line
interface between the ASDCS Defence Communications Network
(DEFCOMMNET) and the USDCS Automatic Digital Network
(AUTODIN);
- NOTING that the capability exists to upgrade the existing
telecommunications channels and services between the ASDCS
and the USDCS;
- DESIRING TO RECORD ARRANGEMENTS for further cooperation
relating to the establishment, assignment, utilization,
practices, procedures and payment for telecommunications
services shared or provided between the USDCS and the
ASDCS;

HAVE AGREED AS FOLLOWS:

¹ Came into force on 6 November 1989 by signature, in accordance with article IX (1).

ARTICLE I : SCOPE

1. The Government of the United States (US), the Government of Australia (AS) and the Government of New Zealand (NZ) have existing telecommunications channels and services (defined as the SIMPSON system) between the USDCS, the ASDCS and the NZ Defence Communications System. This Agreement covers these channels and services between the US and AS and the data handling equipment in the terminals in the US and AS to link the systems. This Agreement also covers existing High Frequency radio systems between USDCS and ASDCS facilities and an existing teletype circuit between the Pentagon and the AS Embassy in Washington, D.C.

2. The following communications understandings remain in effect and are listed for purposes of identification and completeness. The understandings are essentially concerned with tactical and contingency communications which would not normally transit the general purpose military networks of AS and the US. Any amendment or cancellation of these listed understandings have no bearing on this Agreement.

- (a) Communications in the Southern Hemisphere, 15 Jul 70, with attachment, AS-CAN-UK-US NASVCOMS W-4.0/PSG 149 Annex A, 24 Nov 71.
- (b) Technical arrangements between the US Department of the Navy and the Royal Australian Navy (RAN) relating to the handling of RAN and RN submarine message traffic via US Naval Communications Station at Northwest Cape, Western AS, signed 1 February 1968 (AS) and 18 May 1967 (US).

3. The following communications understanding is pending. It is concerned with the US/NZ responsibilities for the SIMPSON system. Any amendment or cancellation, including failure to conclude, shall require a bilateral review of the operational, technical and funding arrangements set out in the Annexes.

- (a) Draft Memorandum of Understanding Concerning Defense Communications Service Between the US Department of Defense and the NZ Ministry of Defence as at 10 Apr 87.

ARTICLE II: ORGANIZATIONAL AND TECHNICAL
RESPONSIBILITIES

1. The Director, DCA, and the Director General, Joint Communications-Electronics (DGJCE), on behalf of the USDOD and ASDOD, respectively, shall be the authorities responsible for the implementation of this Agreement. The development of any further technical and operational proposals and procedures for telecommunications services which result from this Agreement shall be accomplished through close liaison and consultation between these persons.

2. The Commander, Defense Communications Agency, Pacific Area (DCA-PAC), acting as Executive Agent on behalf of the Director DCA, and DGJCE are authorized to coordinate those changes affecting the technical, operational and funding arrangements set forth in the Annexes to this Agreement. Coordinated changes shall be submitted to the Director DCA who has the authority to amend the Annexes of this Agreement for the US and to DGJCE who has the authority to amend the Annexes of this Agreement for AS.

3. This Agreement includes Annexes A through F, attached, covering Technical Arrangements, Communications Practices and Procedures, Postal and Message Addresses, Leasing Arrangements, Restoral Plan and Funding.

4. Direct coordination between the US and AS telecommunications stations is authorized and encouraged. This coordination may be accomplished by correspondence, messages, or personal visits, keeping DCA-PAC and DGJCE advised. The message and postal addresses of AS and US authorities concerned are reflected in Annex C.

ARTICLE III: IMPLEMENTATION

1. In the implementation of this Agreement, each Party has overall responsibility for its own communications system, for each of the component parts of that system and for fulfilling its own communications requirements. This responsibility includes:

- (a) Carrying out and bearing the cost of procurement, installation, operation and maintenance of equipment required as laid down in the Annexes; and
- (b) Acquiring and bearing the cost of any services (such as leasing circuits) required.

The Parties recognize, however, that each shall require assistance of the other in carrying out the tasks for which it is responsible. Therefore, the Annexes to this Agreement set out in detail the specific resource responsibilities for the circuits and terminals involved in this Agreement. The assignment of resource responsibilities in Annexes A and B is intended only to

establish which Party to the Agreement shall perform the assigned tasks. The overall cost of performing each task shall still be borne by the Party for whose communications system the task is performed.

2. The Parties recognize that the USDOD shall provide certain equipment to ASDOD for use in the ASDCS. The Parties shall enter into a lease to govern the provision of that equipment, if appropriate.

3. The Parties recognize that the USDCS is dependent on leased commercial circuits for its operations in AS. The US DCA shall contract separately for the provision of these services using procedures outlined in Annex D.

4. The division of responsibilities between the Parties is outlined in Annex A, Appendices 1 and 2.

5. The Parties recognize that the implementation of this Agreement is subject to the laws of AS and the US and the authorization and appropriation of funds.

6. The communications channel assignments and utilization arrangements applicable to the US-AS cooperation under this Agreement are contained in Annex A and its appendices, which specify resource responsibilities and detailed channelization of the designated trunks (circuits), as well as control responsibilities and operational procedures.

7. Handling arrangements for the transmission of defence communications between the record networks of the USDOD and the ASDOD under the terms of this Agreement are contained in Annex B. The appendices to this Annex identify the designated transfer stations and specify the technical details and resource responsibilities to carry out this Agreement.

ARTICLE IV: FUNDING

1. The Parties have entered into this Agreement with the understanding that the exchange of communications support and related supplies and services to be undertaken pursuant to this Agreement shall be an exchange of equivalent value and that there consequently shall be no requirement for monetary payments. If actual practice demonstrates that the value of the communications support and related supplies and services being exchanged is not equivalent, then the Parties shall enter into negotiations to adjust the arrangements so that the values remain substantially equivalent. If such adjustment is not possible, then any accrued credits and liabilities resulting from an unequal exchange of communications support and related supplies and services during the term of this Agreement annually shall be liquidated by direct payment to the Party having provided the greater amount of communications support and related supplies and services.

2. Each Party shall bear the costs of operations and maintenance of its own telecommunications system and of meeting its own telecommunications requirements including those costs associated with the use of the other Party's telecommunications system.

3. Each Party shall reimburse the other Party for the costs of access to and use of the supplying Party's communications system. In those instances where one Party performs services for the other, reimbursement for the cost of these services shall be negotiated.

4. Detailed funding arrangements pertinent to this Agreement are contained in Annex F.

ARTICLE V: SECURITY

1. All classified information or material exchanged between the Parties pursuant to this Agreement shall be protected under the terms and provisions of the Exchange of Notes known as the "United States/Australia General Security of Information Agreement", dated 2 May 1962, as amended, and the United States/Australia Industrial Security Agreement, dated 15 August 1966, as amended.

ARTICLE VI: RELEASE OF INFORMATION TO THE PUBLIC

1. The release of information (formal releases or answers to queries) to the press or public concerning the arrangements and activities resulting from this Agreement shall not occur before consultation between the Parties. Questions addressed to one Party concerning the activities of the other shall be referred to the other Party.

2. Each Party shall take all lawful steps available to it to keep information exchanged in confidence under this Agreement free from disclosure under any legislative provision unless the other consents to such disclosure.

3. To assist in providing the desired protection, each Party shall mark such information furnished to the other with a legend indicating the country of origin, the conditions of release and the fact that the information relates to this Agreement and that it is furnished in confidence.

4. Unclassified information provided by either Party to the other in confidence, and information produced by either Party pursuant to this Agreement requiring

confidentiality shall be safeguarded in a manner that ensures its proper protection from unauthorized disclosure.

ARTICLE VII: WAIVER OF CLAIMS

1. Each Party to this Agreement waives any claim which it may have against the other Party for damages resulting from any failure of the equipment, system or handling of record telecommunications under the provisions of this Agreement.

2. The Government of the US shall exercise the same precautions in handling ASDOD record traffic as those used in handling USDOD record traffic within the AUTODIN system. The Government of AS shall exercise the same precautions in handling USDOD record traffic as those used in handling ASDOD record traffic within the DEFCONNET.

ARTICLE VIII: DISPUTES

1. Any disagreement regarding the interpretation or implementation of this Agreement shall be resolved by consultation between the Parties and shall not be referred to an International Tribunal or Third Party for settlement.

ARTICLE IX: ENTRY INTO FORCE, TERMINATION AND REVIEW

1. This Agreement shall enter into force on date of last signature and shall remain in force for five years but, within that period, may be terminated by either Party 90 days after written notification is given to the other Party or sooner by mutual agreement.

2. Each Party shall bear its own costs resulting from the termination of this Agreement in addition to any Article IV, paragraph 1, liabilities.

3. This Agreement shall be reviewed annually by the Parties hereto and nonsubstantive changes, that is those changes affecting the technical, operational and funding arrangements set out in the Annexes, may be made to the Annexes without renegotiation of the basic Agreement.

IN WITNESS WHEREOF the undersigned, duly authorised thereto by their respective Governments, have signed this Agreement.

DONE in duplicate at Canberra on the sixth day of November 1989.

For the Government
of Australia:

[Signed — Signé]¹

For the Government
of the United States of America:

[Signed — Signé]²

¹ Signed by A. L. Beaumont — Signé par A. L. Beaumont.

² Signed by John T. Myers — Signé par John T. Myers.

ANNEX A

TECHNICAL ARRANGEMENTS

1. Purpose

The purpose of this Annex is to set forth the technical arrangements relating to the assignment, utilization and specification of communication channels.

2. Trunks (Circuits) Included in these Arrangements

- (a) Technical arrangements for the following trunks (circuits) are included in this Agreement with capacities as detailed in appendices.

- (1) Leased circuit Time Division Multiplex Package System (TDMPS): Wahiawa, HI, USA - Canberra, AS
- (2) High Frequency Radio Trunks:
 - (a) Restoral Plan is given at Annex E
- (3) Landline: AS Embassy, Washington D.C. - Pentagon, Washington D.C.
- (4) Trans-Tasman TDMPS: Canberra, AS - Wellington, NZ.

- (b) Permanent changes to trunks (circuits) shall be the subject of an appendix to this Annex (see paragraph 4 for changes to channels).

3. Equipment Compatibility

- (a) No alterations of equipment which are to affect compatibility shall be made without mutual consent between the parties concerned.

- (b) DGJCE shall assist DCA working with CDR DCA-PAC, to determine AS commercial interface requirements.

4. Allocation and Change Procedures

- (a) The channelization of the trunks referred to in paragraph 2 above shall be as set forth in the appendices to this Annex. Channelization Records shall be exchanged at appropriate intervals, by CDR DCA-PAC and DGJCE.
- (b) Permanent changes to channelization, affecting circuits between US/NZ, US/AS and AS/NZ shall be by mutual arrangement between DGJCE and DCA through CDR DCA-PAC. DGJCE shall assume Channel Manager responsibilities in AS for circuit/channel crossconnects to the AS to NZ TDMPS.
- (c) Spare system capacity, either existing at the time this Agreement becomes effective or created as a result of subsequent system expansion, shall be made equitably available on a reimbursement basis to either party (or as a shared cost for joint requirements) as valid requirements are identified.
- (d) DCA shall provide DGJCE with any required DCA Circulars.
- (e) Short term allocation (not to exceed 30 days) of spare channels may be arranged mutually by the terminating communications stations concerned.
- (f) Nothing in this document shall be interpreted to prevent emergency arrangements or preemption to satisfy urgent channel requirements. Any such emergency arrangements must be formalized by specific after-the-fact confirmation by DGJCE and DCA through CDR DCA-PAC.

5. Restoration Priorities

- (a) The US and AS restoration priority systems are compatible and each party recognizes the other's priorities as equivalent to its own.
- (b) In the event of telecommunications failure, restoration actions shall be accomplished in accordance with the restoral plan mutually developed by DGJCE and DCA through CDR DCA-PAC.
- (c) For commercial lease trunks/circuits the US International Carriers (USICs), in coordination with TELECOM and Overseas Telecommunications Commission (OTC), shall be responsible for ensuring prompt restoral of service when interruptions occur and for corrective actions that eliminate recurring problems.

6. Circuit Specifications

- (a) DCA has the requirement for end-to-end technical sufficiency for all circuits regardless of method of leasing or the number of agencies and carriers involved in providing the service.
- (b) DCA, in coordination with DGJCE, will specify end-to-end criteria and monitor establishment of the trunks/circuits identified in Appendix 1 to this Annex. Once a leasing action is initiated, each party shall take appropriate measures to ensure that the installation and operation of these circuits meet operational requirements.
- (c) DGJCE and DCA recognize that the US International Carriers (USICs), as DCA's contractor for transoceanic leased trunks/circuits, shall be responsible for end-to-end technical sufficiency, in coordination with TELECOM/OTC. Both

TELECOM/OTC and the USICs, as representatives of their respective governments, should each coordinate directly with its counterpart to assure continued end-to-end technical sufficiency. Conflicts between the respective carriers (TELECOM/OTC and USICs) which cannot be mutually resolved shall be referred to DGJCE and DCA, respectively, for resolution.

- (d) DGJCE shall provide DCA with AS circuit numbers and other general information for record purposes that may aid the joint operation and coordination process. DCA shall provide DGJCE with US circuit numbers and other general information for record purposes that may aid the joint operation and coordination process.
- (e) Leased circuits shall be specified, in terms of CCITT specifications, and any departures from these shall be clearly described during ordering, together with any division of responsibilities between USICs. Variations from CCITT specifications shall be on a mutually arranged basis.
- (f) The trunk or circuit control office (TCO/CCO) shall schedule periodic end-to-end quality control tests on selected circuits and trunks as required.

7. Operating Condition and Constraints

- (a) The agreed restoral path defined in Annex E shall be maintained in a condition that shall permit immediate activation by terminal stations without referral to higher authority in the event of an outage to the US-AS TDMPS leased circuit or when otherwise required. Periodic tests of this restoral path shall be arranged between the

terminating stations to be conducted at least monthly for a 72-hour period, with an objective of terminating all identified traffic channels within 30 minutes from the time the test is commenced.

- (b) Neither party to this Agreement shall deny telecommunications service to the other during exercises as a means of simulating actual failures, unless mutually arranged in advance.
- (c) In the event of an AS national emergency, DGJCE may discontinue in whole or in part, at any time, any intra-AS telecommunications services made available under terms of this Agreement and its Annexes, thereto, in order to meet the requirements of the AS national emergency. DGJCE shall, as a minimum, comply with paragraph 8 of this Annex to allow for contingency preparations/implementation.

8. Reporting

- (a) Each terminal station shall be responsible for reporting on the trunk it terminates in accordance with its own national instructions. The USDCS stations shall be regarded as the reported-on stations by the ASDCS stations and vice versa.
- (b) Mutual assistance between CDR DCA-PAC and DGJCE shall include, but not be limited to the following:
 - (1) Exchange of current information on the operational status of telecommunications facilities of common interest.

- (2) Prompt notification of interruptions and significant changes when available and relevant, for example facility releases for preplanned outages, outages due to natural or man-made disasters and impending labor strikes.

9. Control

- (a) Trunk technical control shall be vested in a designated TCO.
- (b) Control of circuit tail segments and subscriber equipments shall be the responsibility of the respective CCO.
- (c) TCO designation of each trunk shall be achieved by mutual consultation between the national stations at each termination of that trunk.

APPENDIX 1
TO ANNEX A

RESPONSIBILITIES, UTILIZATION AND OPERATION
OF THE
TIME DIVISION MULTIPLEXING PACKAGING SYSTEM (TDMPS)

1. Purpose

This Appendix specifies responsibilities for the utilization, operation and funding of the TDMPS.

2. System Description:

- (a) The Wahiawa-Canberra TDMPS is equipped with the CODEX 9600 LSI Modem supporting a total aggregate data rate of 9600 bits per second (bps). Although the current operating requirements are less than 9600 bps, the leased commercial path is established to support a composite 9600 bps rate. In addition to a low speed Time-Division Multiplex Package System (LSTDMPs) supporting 15 low speed teletype circuits of 75 bps or less, the programmable CODEX 980 multiplex units provide the flexibility required to establish higher data rate circuits.
- (b) The Canberra-Wellington 9600 bps capable TDMPS is currently established at 4800 bps, with the LSTDMPs occupying 1200 bps of the composite data rate. Further bit rate expansion beyond 4800 bps shall require reengineering of the leased path and supporting multiplex equipment.

(c) Each TDMPS installation is composed of the following major equipment items:

- (1) CODEX LSTDM (fifteen 75 bps or less teletype ports, programmable to allow combining of ports for higher teletype baud rates).
- (2) CODEX 980 medium speed TDM (four 600 bps ports for an aggregate output of 2400 bps).
- (3) CODEX LSI 9600 data modems (four 2400 bps ports for an aggregate output of 9600 bps).
- (4) Data and teletype patch panels.
- (5) Line voltage converters, 230/115 VAC, in NZ and AS.

(d) This arrangement is shown in Figure 1.

3. Responsibilities

Specific responsibilities for the TDMPS arrangement are as follows:

(a) The US is responsible for:

- (1) In the context of the cost sharing arrangements of this Agreement, paying for the leased services in accordance with Annex F.
- (2) Initial procurement of the CODEX equipment for the TDMPS.
- (3) Installing, providing, operating and maintaining all TDMPS equipment at Wahiawa.
- (4) Connecting the transfer circuits at the US Autodin Switching Center (ASC) interface station.

- (5) Providing the Circuit Control Office (CCO) for all Defense Communication System (DCS) circuits that pass through the facility and the TCO for the Wahiawa-Wellington CODEX 980 trunk (NAVCAMS EASTPAC).

(b) AS is responsible for:

- (1) Installing, operating and maintaining all TDMPS equipment at Canberra.
- (2) In the context of the cost sharing arrangements of this Agreement, paying for the leased services in accordance with Annex F.
- (3) Connecting the transfer circuits at the DEFCOMMNET interface stations identified in Annex B.
- (4) Installing, maintaining and operating the AS end of the AS/US AUTODIN circuits.
- (5) Providing the Trunk Control Office (TCO) (DEFCOMMARS Canberra).

4. Technical Control and Coordination

(a) Responsibilities of the TCO:

- (1) Maintain cognizance of the operational status of the TDMPS.
- (2) Direct timely remedial action with the commercial carriers to correct degraded system performance, advising DGJCE or DCA-PAC, as appropriate.
- (3) Keep CCOs advised of conditions that may affect the operation of the transmission facilities.

- (4) Schedule, monitor, and supervise, as required, periodic technical performance testing.
 - (5) Forward performance data to CCOs, as appropriate.
- (b) Responsibilities of the CCOs:
- (1) Prepare and coordinate with users and commercial agencies schedules for activation, deactivation, restoral, testing and reporting to the TCO of circuits for which control responsibility has been assigned.
 - (2) Advise the TCO of any conditions which might affect service. Such conditions would include failure to meet circuit order or Telecommunications Service Order (TSO) specifications, non-availability of leased circuits segments, etc.
 - (3) Record, file and forward to the TCO, as required, test data resulting from scheduled and unscheduled in-service and out-of-service quality control tests.
 - (4) Keep the TCO, users and other CCOs informed of the progress of restoration work or of any conditions that may affect serviceability.

5. Quality Control and Test Equipment

(a) Quality Control

Quality control tests are to be conducted on all circuits and trunks of the TDMPS as follows:

- (1) Every 72 hours an in-service signal level check is to be made on both the send and receive sides of the leased trunks. A record of these tests is to be maintained in the station.
- (2) Every three months an out-of-service quality control test is to be conducted on each trunk of the system. The TCO shall coordinate the action with the CCOs 21 days prior to the scheduled test date.
- (3) The CCOs will coordinate with all users on the system, notifying them of the scheduled tests and whether their circuits are to be restored in accordance with the restoral plan to be defined in Annex E.

(b) Test Equipment

To properly accomplish the quality control tests prescribed, test equipment equivalent to that listed below is required at each station:

- (1) Test Tone Level - Hewlett Packard HP 3550B, HP 3551A or HP 4930.
- (2) Frequency Response Tests - HP 3550B, HP 3551A or HP 4935.
- (3) Envelope Delay Tests - Action 49B7460, Sierra 340B or HP 3770.
- (4) Harmonic Distortion Tests - HP 334A or HP 35810.
- (5) Maximum Single Tone Interference Tests - HP 35810.
- (6) Basic Noise Tests - Northeast Electronics TTS-58A or HP 4935.

- (7) Impulse Noise Tests - Northeast Electronics
TTS-58A or HP355B.
- (8) Phase Jitter Tests - Hekimian 48.

Note: The Halcyon 5200 universal test system is to accomplish all of the above tests, as well as others.

(c) Tests

Tests shall be conducted in accordance with DCA circulars 310-70-1 Vol II Supp 1 and 300-175-9.

6. Circuit Allocation and Change Procedures

- (a) This section sets forth the technical arrangements relating to the assignment and utilization of the Time-Division Multiplex Package System (TDMPS) and Low-Speed Time-Division Multiplex Package System (LSTDMP) trunks. The applicable trunks are:

- (1) Wahiawa-Canberra 1st level Multiplex (MUX) Trunk 78DN01 (CODEX 9600 LSI Modem equipped).
- (2) Wahiawa-Canberra 2nd level MUX Trunk 78DN02 (CODEX 980 equipped).
- (3) Wahiawa-Canberra 3rd level MUX Trunk 78DN03 (CODEX LSTDMP equipped).
- (4) Canberra-Wellington 1st level MUX Trunk 775N04 (CODEX 9600 LSI Modem equipped).
- (5) Canberra-Wellington 2nd level MUX Trunk 775N05 (CODEX 980 equipped).
- (6) Canberra-Wellington 3rd level MUX Trunk 775N06 (CODEX LSTDMP equipped).
- (7) Wahiawa-Wellington 2nd level MUX Trunk 780N01 (CODEX 980 equipped).

- (b) All channels of the TDM are under joint control. Channels not allocated are spare and may be used, subject to mutual agreement of the parties affected, for any purpose allowed by this Agreement. Circuit assignments on all levels of multiplex trunks shall be accomplished by TSOs issued in accordance with DCAC 310-D130-1, 'Submission of Telecommunications Service Requests'. TSR's shall be generated by DCA. TSO's shall be issued by DECCO PAC. PDC code shall be YD6R. TSR and TSO action in support of the AS/NZ Trans-Tasman link shall be in accordance with separate telecommunications actions by the involved parties. The TSO is the authority for establishing circuit requirements and system channel allocations. Changes to existing circuits, deactivations or new circuit requirements shall be accomplished by TSO action. The use of spare channels for temporary circuit restorals is authorized and channel assignments shall be accomplished by the TCO. Use of spare channels for temporary circuit restorals shall not exceed thirty days duration with submission by the TCO of a request for temporary circuit extension in the event of an emergency situation. Use of spare channels for preemption of lower priority circuits can be accomplished without DGJCE and DCA coordination, however, after-the-fact notification is required.

7. Records

- (a) The TCO and both CCOs shall maintain the following records on the TDMPS trunks and circuits:

- (1) Circuit Layout Record. Circuit layout records shall show:
 - (a) End-to-End configuration.
 - (b) CCO/TCO assignments.
 - (c) User Contact Number.
 - (d) In-Station patch panel appearances.
 - (e) Data rate.
 - (f) User equipment.
 - (g) Restoral route, if any.

- (2) Station Logs. Station Logs shall be maintained at all stations. All Station Logs shall use G.M.T. The following items shall be entered on the Station Log:
 - (a) Station: Name of Station
 - (b) Date: Current Month, Day and Year
 - (c) Time Period: Time covered by the log
 - (d) Circuit or Trunks: Identification of the circuit or trunk pertaining to the log entry
 - (e) G.M.T.: Time of event or action
 - (f) Operator Initials: Initials of the individual making the entry
 - (g) Action/Event: Narrative explanation of the action or event. Enter sufficiently detailed information to fully explain the situation.
 - (h) All station logs shall be held for one year before destruction.

- (3) History Folders. History folders shall be maintained on all circuits and trunks of the TDMPS by each station. The folders shall contain the following as a minimum and shall

be maintained for the life of the circuit or trunk:

- (a) Copy of all circuit orders or TSOs and completion reports in-effect. (Delayed service or exception).
- (b) Inside station cable ties.
- (c) Cross-connect record.
- (d) Inside station equipment.

TIME DIVISION MULTIPLEX PACKAGING SYSTEM

ATTACHEMENT 1 TO
APPENDIX 1 TO
ANNEX A

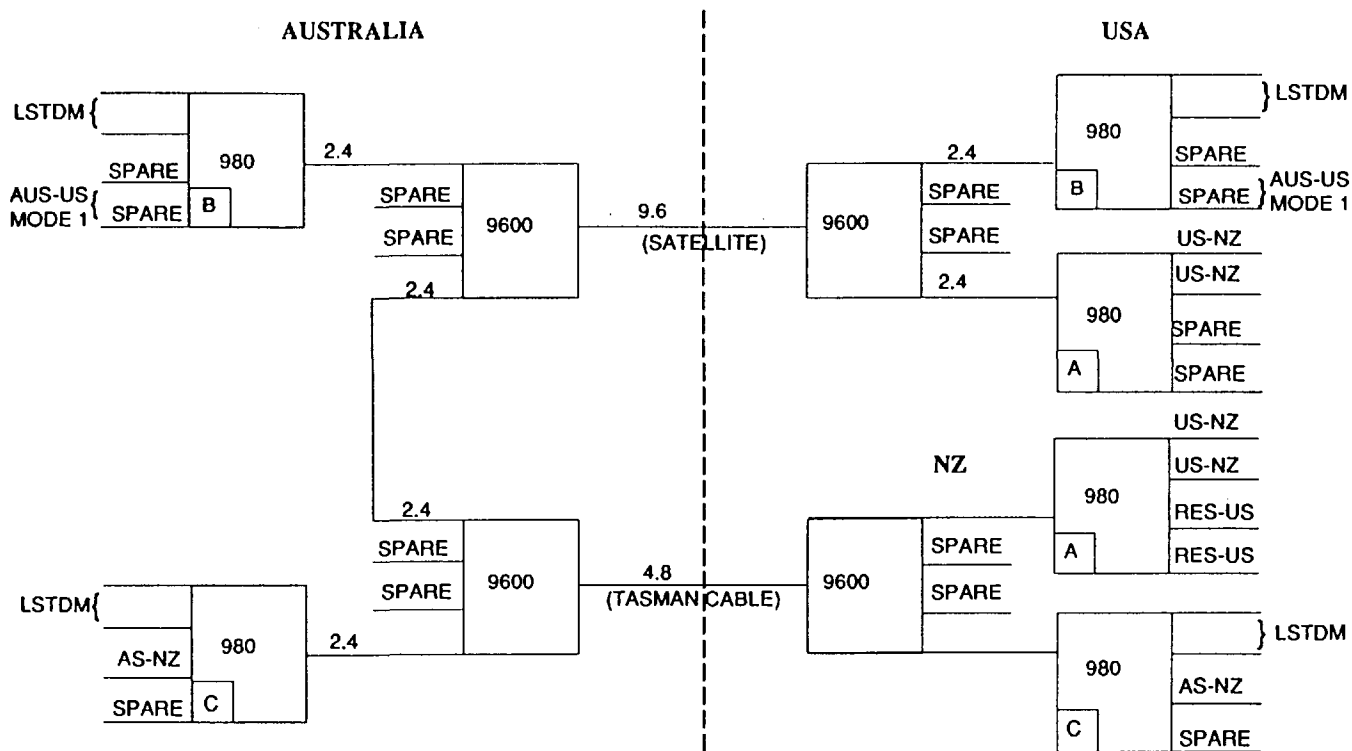


Figure 1

ATTACHMENT 2 TO
APPENDIX 1 TO
ANNEX A

CHANNELIZATION OF THE CANBERRA-WAHIAWA TDMPS

1. LSTDM Trunk Designator 78DN03/DTNX 6L7C:

CANBERRA TO WAHIAWA

WAHIAWA TO CANBERRA

<u>CHANNEL</u>	<u>CCSD</u>	<u>CHANNEL</u>	<u>CCSD</u>	<u>RESTORATION</u> <u>PRIORITY</u>
OAOT		OAOT	DORAKDE1	1A
OBOT		OBOT	NDIA 256D	1C
OCOT	SPARE	OCOT	SPARE	
ODOT	DULQSDXV NZ/US CO(DCN602)	ODOT	DULQSDXV	3A
OEOT	DULQSDXT SPARE(1)	OEOT		1G
OFOT	DULQSDXU SPARE(1)	OFOT		3A
OGOT	DULQSDXW SPARE(1)	OGOT		00
OHOT	BDFASS6F AS/US	OHOT	BDFASS6F	2A
OIOT	BDFASS6G AS/US Special Ckt	OIOT	BDFASS6G	2A
OJOT	SPARE	OJOT	SPARE	1C
OKOT	IUMAKQ4A RAN Broadcast (TX only)	OKOT	IUMAKQ4A(A11B5)	00
OLOT	DDDAAL31	OLOT		1A
	DDDAFW06			
	(WOOMCON/WHEELER)			
OMOT	IUMAXH4P RAN Broadcast	OMOT	BBDKQ1Q	2C
	(TX only)		(A11 B3)	
ONOT	SPARE(1)DULQSDXX	ONOT		00
OOOT	SPARE	OOOT		

Note (1) Only available as spares on the LSTDM for normal configuration.

When Restoral Path is activated, up to four x 75 baud circuits may be required.

2. CODEX 980 MULTIPLEX TRUNK DESIGNATOR: 78DN02/DTNX 6L7B:

(Canberra to Wahiawa - Wahiawa to Canberra)

<u>Channel</u>	<u>Restoration Priority</u>	<u>Use</u>
0AO	1A	LSTDm (1200)
0BO	3A	AS/US MODE I AUTODIN
0CO	00	Not available because of LSTDm allocation
0DO	00	Not available because of the MODE I allocation

ATTACHMENT 3 TO
APPENDIX 1 TO
ANNEX A

CHANNELIZATION OF THE CANBERRA-WELLINGTON TDMPs

1. LSTDm TRUNK DESIGNATOR 775N06/ITNX 6V47:

CANBERRA TO WELLINGTON

CHANNEL	RESTORATION PRIORITY	CCSD	REMARKS
0AO	1A	DORAXDE1	Teletype Coordination Circuit (ENG)
0BO	1C	NDIA 256D	ANZUS INDICOM
0CO		Spare	Spare
0DO	3A	DULQSDXV (DCN602)	Exisiting AUTODIN Ckt
0EO		Spare	Spare
0FO		Spare	Spare
0GO		DCN501	Canberra/Wellington CU Ckt
0HO		DCN502/7	Wellington/Melbourne Ckt
0IO		DCN502/8	Wellington/Melbourne Ckt
0JO		DCN502/9	Wellington/Melbourne Ckt
0KO		DCN502/10	Wellington/Melbourne Ckt
0LO		Spare	Spare
0MO	2C	BBDAXQ1Q	US Navy Multipoint Keyline (one way ckt)
0NO		Spare	Spare
000		Spare	Spare

2. Channelization of Codex 980 Multiplex Trunk Designator 775N05/ITNX 6V461.

<u>Channel</u>	<u>Restoration</u> <u>Priority</u>	<u>Use</u>
0AO	1A	LSTDm 1200
0BO	3A	Wellington/Melbourne (NZ/AS) 600 bps data Ckt
0CO	00	Not available because of LSTDm allocation
0DO	00	Spare

APPENDIX 2 TO
ANNEX A

RESOURCE RESPONSIBILITY AND TECHNICAL CHARACTERISTICS
AS EMBASSY - PENTAGON TTY CIRCUIT

1. Purpose

To specify the resource responsibilities and technical characteristics of the landline circuit between the AS Embassy, Washington, DC and the Pentagon, Washington, DC that are essential to the efficient use of the circuit.

2. Introduction

This Appendix is an integral part of Annex A and supplements that Annex by stating the resource responsibilities and technical characteristics pertaining to the AS Embassy - Pentagon landline circuit.

3. Resource Responsibilities

Each party is responsible for the resources required at their respective terminal to maintain this circuit. AS is responsible for acquisition of the path. The US is responsible for COMSEC maintenance at both end terminals.

4. Technical Characteristics

The technical characteristics of the circuit are listed in Attachment 1.

5. Duration

This Appendix is effective for the same period of time as the basic Agreement of which it is a part and is subject to the same modification provisions as set forth in that Agreement.

ATTACHMENT 1 TO
APPENDIX 2 TO
ANNEX A

TECHNICAL CHARACTERISTICS OF
AS EMBASSY - PENTAGON PTC
LANDLINE

<u>TELECOMMUNICATIONS FACILITY</u>	<u>PENTAGON PTC</u>	<u>AS EMBASSY</u>
<u>CIRCUIT IDENTIFICATION</u>		
<u>CIRCUIT SPEED</u>	<u>75 BAUD</u>	<u>75 BAUD</u>
<u>CIRCUIT RESTORATION PRIORITY</u>	<u>00</u>	<u>00</u>
<u>CHANNEL IDENTIFICATION</u>	<u>RUZA</u>	<u>RUEAKKE</u>
<u>COMMUNICATIONS MODE</u>	<u>UNCONTROLLED TTY</u>	<u>UNCONTROLLED TTY</u>
<u>NET CONTROL STATION</u>		
<u>TRAFFIC</u>	<u>PENTAGON PTC</u>	<u>PENTAGON PTC</u>
<u>ALTERNATIVE ROUTE</u>	<u>NONE</u>	<u>NONE</u>
<u>MESSAGE FORMAT</u>	<u>ACP 127</u>	<u>ACP 127</u>
<u>PRECEDENCE (HIGHEST)</u>	<u>FLASH</u>	<u>FLASH</u>
<u>SECURITY LEVEL (HIGHEST)</u>	<u>TOP SECRET</u>	<u>TOP SECRET</u>
<u>TRAFFIC HANDLING</u>	<u>GENERAL PURPOSE</u>	<u>GENERAL PURPOSE</u>
<u>CHARACTERISTICS</u>	<u>MESSAGE TRAFFIC</u>	<u>MESSAGE TRAFFIC</u>
<u>TERMINAL EQUIPMENT</u>	<u>PENTAGON PTC</u>	<u>TELETYPEWRITER</u>
<u>COMSEC EQUIPMENT</u>	<u>KW26</u>	<u>KW26</u>

ANNEX B

COMMUNICATIONS PRACTICES AND PROCEDURES

1. Purpose

The purpose of this Annex is to establish standard communications practices and procedures for the handling of Defense Communications traffic between the common user networks of the AS Defence Fixed Communications Network (DEFCOMMNET) and the US Defense Communications System's Automatic Digital Network (AUTODIN).

2. Requirement

A requirement exists to increase the flexibility in the processing of defense record communications traffic over the communications systems of the ASDCS and the USDCS, covering Southeast Asia, Pacific Ocean area, Continental United States and AS. This requirement involves the following criteria:

- (a) Traffic Volume: Approximately 1500 record messages per day each direction between the two systems. It is anticipated that this volume may increase to 3000 record messages per day in each direction.
- (b) Length of Messages: Normally about 120 groups.
- (c) Precedence of Messages: All precedences included in ACP 121 shall be processed.
- (d) Classification of Messages: Classified traffic up to and including SECRET shall be transferred

on-line where proper security equipment is available. Otherwise, classified messages will be off-line encrypted.

- (e) Speed of Service: In accordance with precedence [see ACP 121].
- (f) Exercise: Utilization of the transfer circuits in the normal processing of day-to-day traffic should provide satisfactory indication of its reliability. Exercise of the transfer circuit by special exercise messages is not necessary.
- (g) Message Content: Third party traffic shall not be introduced unless specifically arranged on a case-by-case basis. Traffic introduced by either party shall be considered authorized by the other, and third party considerations in these circumstances are not relevant.
- (h) Message Format: Message formats shall be as prescribed by ACP 127 unless otherwise authorized by mutual understanding between the parties. Service message text format and general service message response procedures shall be as specified in the US Joint Army, Navy and Air Force Publication (JANAP) 128 shall be used to interpret certain received service messages.
- (i) Keying Material: Appropriate communications security equipment keying material shall be provided on a recurring basis by the responsible issuing authority of the US.

3. Responsibilities and Coordination

- (a) Operations: The USG and ASG telecommunications facilities, identified in the appendices to this Annex, shall be operated in compliance with the terms of this Agreement.

- (b) Traffic Constraints: Supervisors of US and AS telecommunications facilities identified in the appendices to this Annex shall inform each other should MINIMIZE message conditions be imposed which might affect the processing of traffic under this Agreement. Neither a US nor AS facility shall refuse to accept traffic from the other as a means of simulating actual failures during exercises.
- (c) Official Messages: It is the responsibility of either Party introducing messages into the other Party's network to limit such traffic to official messages authorized within the terms of this Agreement.

4. Message Processing

- (a) Routing: The routing of messages transferred from one network to the other shall be in accordance with the message routing doctrine of the receiving network.
- (b) Control: DGJCE has responsibility for technical arrangements for the interfaces and shall collaborate with DCA through CDR DCA-PAC in discharging this responsibility. Local control of DEFCOMMNET traffic entering the AUTODIN shall be implemented by the connected AUTODIN Switching Center (ASC). AUTODIN traffic entering the DEFCOMMNET shall be under the local control of the DEFCOMMNET Communications Center managing the connected interface station.

- (c) Publications: The following publications shall be used in the processing of traffic to be exchanged under terms of this Agreement.
- (1) ACP 121 Communications Instructions - General
 - (2) ACP 117 (Series) Allied Routing Indicator Book
 - (3) ACP 127 Communications Instructions - Tape Relay Procedures
 - (4) ACP 131 Communications Instructions - Operating Signals
 - (5) ACP 122 Communications Instructions - Security
 - (6) JANAP 128 Automatic Digital Network (AUTODIN) Operating Procedures
 - (7) DEFCOMMARS Canberra Emergency Plan
- (d) Impaired Conditions: The following procedures shall apply in the event of impairment/loss of traffic processing capabilities.
- (1) Failure or isolation of ASC Honolulu. Traffic destined for transfer between the AUTODIN and DEFCOMMNET is to be held in the respective networks until operational capabilities are restored.
 - (2) DINTS Canberra failure or impairment. DEFCOMMNET communications center shall instruct ASC Honolulu to implement restoral in accordance with CANOUT ALPHA/BRAVO (DEFCOMMARS CANBERRA Emergency Plan).
 - (3) Transmission Media Impairment or Outage. The Restoral Plan (Annex E) is to be implemented for transmission media impairment or extended outage.

5. Applicability:

The practices and procedures set forth in this Annex apply to the US and the AS message originators as well as their telecommunications facilities processing messages under the terms of this Agreement.

APPENDIX 1 TO
ANNEX B

ASC - DINTS INTERFACE OPERATING PROCEDURES

1. Purpose

To specify the operational features of the interface between the AUTODIN Switching Center (ASC) at Honolulu, HI and the Defence Interim Switch (DINTS) at Canberra, AS that are essential to the efficient transfer of record message traffic.

2. Introduction

This Appendix is an integral part of Annex B and supplements that Annex by stating technical characteristics and resource responsibilities pertaining to the Honolulu - Canberra interface.

3. Technical Characteristics

The technical characteristics of this interface are listed in Attachment 1.

4. Resource Responsibilities

Responsibilities for the resources required to establish this interface are as shown in Attachment 2.

5. Duration

This Appendix is effective for the same period of time as the basic Agreement of which it is a part and is subject to the same modification provisions as set forth in that Agreement.

ATTACHMENT 1 TO
APPENDIX 1 TO
ANNEX B

TECHNICAL CHARACTERISTICS OF
HONOLULU ASC - CANBERRA DINTS
INTERFACE

<u>CIRCUIT CONNECTIVITY POINTS</u>	<u>HONOLULU ASC</u>	<u>CANBERRA DINTS</u>
<u>CIRCUIT IDENTIFICATION</u>	<u>New Circuit Details to be notified</u>	
<u>CIRCUIT SPEED (1)</u>	<u>1200 BAUD</u>	<u>SAME AS US</u>
<u>COMMUNICATIONS MODE</u>	<u>MODE I</u>	<u>SAME AS US</u>
<u>NET CONTROL STATION</u> <u>(TRAFFIC)</u>	<u>HONOLULU ASC</u>	<u>HONOLULU ASC</u>
<u>ALTERNATE TRAFFIC ROUTE</u>	<u>See Annex E for Restoral Plan</u>	
<u>MESSAGE FORMAT</u>	<u>ACP 127</u>	<u>SAME AS US</u>
<u>PRECEDENCE (HIGHEST)</u>	<u>FLASH</u>	<u>SAME AS US</u>
<u>SECURITY LEVEL (HIGHEST)</u>	<u>SECRET</u>	<u>SAME AS US</u>
<u>TRAFFIC HANDLING</u>	<u>US/AS COMMON</u> <u>USER TRAFFIC</u>	<u>SAME AS US</u>
<u>TERMINAL EQUIPMENT</u>	<u>ASC TERMINATION</u>	<u>DINTS</u>
<u>COMSEC EQUIPMENT</u>	<u>1 - KG-84A</u>	<u>1 - KG-84A</u>

ATTACHMENT 2
TO APPENDIX
1 TO ANNEX B

RESOURCE RESPONSIBILITIES FOR
HONOLULU ASC - CANBERRA DINTS
INTERFACE

<u>RESOURCE</u>	<u>AT HONOLULU</u>	<u>AT CANBERRA</u>
1. PREPARE SITE	US	AS
2. PROVIDE AND INSTALL EQUIPMENT:		
(a) TERMINAL	US	AS
(b) COMSEC	US	AS
(c) MODE I INTERFACE	US	AS
3. PROVIDE AND MAINTAIN INTERCONNECT CIRCUIT	US	AS
4. OPERATE AND MAINTAIN EQUIPMENT:		
(a) TERMINAL	US	AS
(b) COMSEC	US	AS
(c) INTERFACE DEVICE	US	AS
5. LOGISTIC SUPPORT:		
(a) TERMINAL EQUIPMENT	US	AS
(b) COMSEC EQUIPMENT	US	AS
(c) INTERFACE DEVICE	US	AS

ANNEX CPOSTAL AND MESSAGE ADDRESSES OF AUTHORITIES CONCERNED
WITH US-AS TELECOMMUNICATIONS ARRANGEMENTS

The purpose of this Annex is to identify the AS and US authorities concerned with this Agreement.

1. AUSTRALIA

POSTAL ADDRESSMESSAGE ADDRESS

(a) The Secretary
Department of Defence
Russell Offices
CANBERRA ACT 2600
AUSTRALIA

DEFENCE CANBERRA

(b) Director General Joint
Communications-Electronics (DGJCE)
Department of Defence
Russell Offices
CANBERRA ACT 2600
AUSTRALIA

HQADF (FOR DGJCE)

(c) Director of Naval Communications
(DNC)
Department of Defence (Navy Office)
Russell Offices
CANBERRA ACT 2600
AUSTRALIA

DEFNAV CANBERRA

- | | |
|--|------------------------|
| (d) The Officer-in-Charge
Naval Communications Station
Canberra
HMAS HARMAN ACT 2600
AUSTRALIA | NAVCOMMSTA
CANBERRA |
|--|------------------------|

2. UNITED STATES

POSTAL ADDRESS

MESSAGE ADDRESS

- | | |
|--|--------------------------------|
| (a) Director
Defense Communications Agency
Washington, D.C. 20305-2000 | DCA WASHINGTON DC |
| (b) Commander
Defense Communications Agency,
Pacific Area
Wheeler AFB, HI 96854 | DCA PAC WHEELER
AFB HI |
| (c) U.S. Commander-in-Chief, Pacific
Camp H.M. Smith, HI 96861 | USCINCPAC HONOLULU
HI |
| (d) Commanding Officer
U.S. Naval Communications Area
Master Station-Eastern Pacific
Wahiawa, HI 96786 | NAVCAMS EASTPAC
HONOLULU HI |
| (e) Commanding Officer
U.S. Naval Communications Station
Master Station-Western Pacific
FPO San Francisco, CA 96680 | NAVCAMS WESTPAC
GQ |

ANNEX D

CONDITIONS APPLYING TO US DEFENSE COMMUNICATIONS AGENCY LEASE OF COMMERCIAL CIRCUITS THROUGH AS DEPARTMENT OF DEFENCE ACTING AS CUSTOMER REPRESENTATIVE

1. This Annex D describes the conditions which shall apply in respect of the leasing of commercial circuits provided by the Overseas Telecommunications Commission (OTC) and the AS Telecommunications Commission (TELECOM).

2. Authorization

This Annex authorizes ASDOD to act as Customer Representative of DCA in leasing commercial circuits provided by OTC and TELECOM.

3. Contractual Arrangements

- (a) ASDOD shall take all necessary action as Customer Representative of DCA to obtain commercial circuits requested by DCA from OTC and TELECOM. Orders placed with OTC under this Annex shall be in accordance with Appendix 1 to this Annex D. ASDOD shall place orders with TELECOM as required.
- (b) ASDOD shall obtain on behalf of DCA conditions no less favorable than those which would apply to ASDOD as lessee. Leasing and other costs determined by ASDOD on behalf of DCA shall be in accordance with OTC and TELECOM standard tariffs.

- (c) A circuit in the context of this Annex includes any leased terminal equipment. International circuits shall be leased by lessee by separate orders from a US International Carrier (USIC) to the mid points and through ASDOD from the mid point to the AS service point. In the event there is more than one order to be activated, the lessee shall determine which service should be started first.

4. Management Responsibilities

- (a) DCA Pacific (DCA-PAC) shall act as the US focal point for exchange of information pertaining to operation and management of the leased DCA circuits. Defense Commercial Communications Office (DECCO) shall act as the US focal point for contracting, billing and paying matters.
- (b) Director-General Joint Communications and Electronics (DGJCE) shall act as the AS focal point for exchange of information pertaining to operation and management of DCA circuits.
- (c) Mutual assistance between DCA-PAC and DGJCE shall include but not be limited to the following:
 - (1) Exchange of current information on the operational status of communication facilities of common interest.
 - (2) Prompt notification of interruptions and significant changes when available and relevant, e.g.:
 - (a) Facility releases for preplanned outages.

- (b) Outages due to natural or man-made disasters.
 - (c) Impending labor strike.
- (d) DCA continues to have the requirement for end-to-end technical sufficiency for all circuits regardless of method of leasing or the number of agencies and carriers involved in providing the service. The US International Carriers (USICs) Service shall be responsible for ensuring end-to-end sufficiency. Once a Commercial Service Authorization is issued by DECCO, DGJCE shall monitor the installation and operation of the AS portion of all circuits and ensure that the technical parameters ordered are maintained.

5. Circuit Specification

- (a) For each commercial circuit required, DCA is to provide ASDOD with the following information, if applicable:
 - (1) Required or preferred international media (e.g. satellite, cable).
 - (2) Required or preferred international communications gateway stations.
 - (3) Contractors other than OTC and circuit numbers for International segments relevant to AS.
 - (4) Technical characteristics required of the circuit.
 - (5) Details of equipment interfacing with the circuit including the equipment provider.
 - (6) Other requirements.

6. Funding and Payment of Circuit Costs

- (a) DCA shall pay to ASDOD an amount equal to the total cost of the charges for circuits provided to DCA by OTC and TELECOM together with an administrative charge equal to 1% of the total charges for the circuits provided pursuant to this arrangement.
- (b) DCA is to remit funds to the ASDOD quarterly in advance by 1 January, 1 April, 1 July and 1 September of each year. Amount remitted is to be in accordance with the ASDOD quarterly estimate of costs provided by ASDOD to DCA one month before the beginning of the quarter.
- (c) ASDOD is to use funds in the account for the purpose of paying DCA telecommunications costs and ASDOD administrative charges. The account is to be audited in accordance with ASDOD procedures. ASDOD shall account monthly to DCA for expenditure and any balance in the account.
- (d) DCA shall remit special advances requested by ASDOD at other than quarterly periods when unforeseen costs such as initial payment for new circuits arise.
- (e) DCA shall reimburse ASDOD to the extent that the costs incurred in providing circuits exceeds the estimates of costs.
- (f) ASDOD shall credit or refund to DCA any funds received under this arrangement which prove to be in excess of the total cost of the telecommunications provided by OTC and TELECOM and ASDOD administrative charges.

APPENDIX 1 TO
ANNEX D

FORM OF CONTRACT BETWEEN THE OVERSEAS
TELECOMMUNICATIONS COMMISSION AUSTRALIA
AND THE GOVERNMENT OF THE UNITED STATES OF AMERICA
REPRESENTED BY THE DEFENSE COMMUNICATIONS AGENCY
ACTING THROUGH THE GOVERNMENT OF AUSTRALIA REPRESENTED
BY THE DEPARTMENT OF DEFENCE

This contract sets out the general conditions applicable to the provision of telecommunications services by the Overseas Telecommunications Commission (Australia) (hereinafter called "the Lessor") to the Government of Australia represented by the Australian Department of Defence (hereinafter called "the Agent") acting as Customer Representative for the Government of the United States of America represented by the United States of America Defense Communications Agency (hereinafter called "the Lessee").

1. Application for Services

The Lessor will provide telecommunications services upon application in writing from the Lessee through the Customer Representative upon terms and conditions to be agreed. The general conditions set out in the paragraphs below will apply to each telecommunications service unless excluded by agreement.

2. Provision of Service

- (a) The Lessor will make arrangements with the Australian Telecommunications Commission

(TELECOM) for the provision and operations of the circuits between the Lessor's international maintenance center and/or satellite earth stations and the US Terminal Locations in Australia.

- (b) The Lessee will provide and operate necessary terminal equipment at the US Terminal Locations.

3. Specification

The Lessor will provide, for its part of the overall circuit, international circuits to International Telegraph and Telephone Consultative Committee (CCITT) specifications. Variation from CCITT specifications will be on a mutually agreeable basis.

4. Interference

The equipment, methods and mode of operation used at the US Defense establishments will be such as not to cause interference to the operation of any other circuits or channels in the international telecommunications system and will be suitable for the specifications required in paragraph 3.

5. Use

- (a) The circuits provided will be used for the reception and transmission of information relating to the business of the Lessee or of the Customer Representative. The transmission or reception of information for or on behalf of any other party, including the private use by US employees in Australia is expressly prohibited.

- (b) The Lessee will not assign, transfer, sublet, change or otherwise part with this lease or its interest hereunder.

6. Cancellation of Services

The Lessee will rent circuits for term of one month certain and thereafter until the termination of a period of fourteen days after notice in writing shall have been given by one party to the other of intention to cancel any or all of the services proposed under the contract.

7. Rental

The rental for the services provided by the Lessor will be payable in Australian currency by monthly payments in advance. The first of such payments to be made immediately prior to the particular circuit ordered being made available to the Lessee. An abatement pro-rata to the annual rental may be claimed in the event of a discontinuance of service under Paragraph 8 or where failure of the circuit is due to causes within the Lessor's control provided failure is continuous for one hour or more and the failure has been reported at the time by the US Defense establishment in Australia, through normal fault reporting channels.

8. National Emergency

The Lessor may discontinue in whole or in part at any time any services being made available under this contract if the services are required by the Australian Government to meet the requirements of a national emergency.

9. Availability of Circuits

Subject to Paragraph 8 the circuits will be available to the Lessee continuously. The Lessor will take every reasonable precaution to ensure the continuity of service and whenever possible will give the Lessee or Customer Representative suitable advance notice if any circuit is likely to be unavailable for any extended period. The Lessor will not be liable for any loss suffered by the Lessee through any failure of any circuit however caused.

10. Compliance with Regulations

The Lessee will take all appropriate steps to ensure that the provisions of the International Telecommunications Convention and the Telegraph regulations thereunder are complied with at all times insofar as they apply to the service provided under these conditions.

11. Tariff

The Lessor will charge the Lessee through the Customer Representative for the circuits in accordance with the Lessor's standard tariffs. In the absence of such a tariff, the charge will be determined in accordance with the provisions which govern the assessment of such standard tariffs.

12. Period of Service

This agreement will take effect from the (date of mutual concurrence to the conditions by the Lessor and Lessee) and will continue in effect until terminated by either party upon three months notice.

13. The following provisions are inserted at the request of the Lessee to comply with the Laws of the United States of America:

- (a) United States Official Not to Benefit. No member of or delegate to the Congress of the United States of America, or resident commission of the United States of America, shall be admitted to any share or part of this contract, or to any benefit that may arise therefrom; but this provision shall not be construed to extend to this contract if made with a corporation for its general benefit.
- (b) Covenant Against Contingent Fees. The Lessor warrants that no person or selling agency has been employed or retained to solicit or secure this contract upon an agreement or understanding for a commission, percentage, brokerage, or contingent fee, except bona fide employees or bona fide established commercial or selling agencies.
- (c) Gratuities. The US Government may, by written notice to the Lessor, terminate the right of the Lessor to proceed under this contract if it is found, after notice and hearing by the Secretary of Defense of the United States of America or his duly authorized representative, that gratuities (in the form of entertainment, gifts, or otherwise) were offered or given by the Lessor, or any agent or representative of the Lessor, to any officer or employee of the US Government with a view towards securing a contract or securing favorable treatment with respect to the awarding or amending, or making of any determinations with respect to the performing of such contract.

ANNEX E

RESTORAL PLAN FOR SIMPSON COMMUNICATIONS SYSTEM

1. Situation

The SIMPSON Communications System consists of one high speed CODEX time division multiplex package system (TDMPS) routed via leased commercial communications facilities between Wahiawa, HI and Canberra, AS and between Canberra, AS and Wellington, NZ. This network consists of various US/AS/NZ circuits and failure of the TDMPS requires circuit restoral.

2. Mission

The purpose of this Restoral Plan (RPLAN) is to identify and provide the restoral actions to be taken in the event of a facility/media failure which affects the SIMPSON Communications System capabilities.

3. Concept

Restoral actions for each of the facilities/media affecting the SIMPSON Communications System capabilities are contained in this plan. Restoral is to utilize backup assets of all participants and shall be controlled by the Canberra TDMPS telecommunications control officer (TCO).

4. Execution

The TCO at Defence Canberra is the sole implementation authority for this RPLAN.

5. Administration

This RPLAN applies to affected DCS activities (US, AS, and NZ) associated with the SIMPSON Communications System. All stations should ensure that this RPLAN and supporting local directives are readily available to all technical control personnel. Recommendations for change are to be submitted to DGJCE and DCA-PAC which will coordinate changes with all concerned.

6. Implementation

This plan is effective upon signature. Problems encountered implementing this RPLAN will be directed to:

Officer in Charge
Defense Communications Automatic Relay Station
(DEFCOMMARS)
Canberra ACT 2600
Australia

7. Restoral Information

The following SIMPSON Communications System trunks and circuits are affected and are further outlined in this RPLAN Appendices 1 through 4.

(a) Canberra-Wahiawa

1st stage TDMPS: Trunk 78DNO1 (Circuit DTNX6L7A,
RP 1A)
CHNL OAO DTNX6L7B, RP 1A (78DNO2 Canberra/Wahiawa)
CHNL OBO Spare
CHNL OCO DTNX6V5Z, RP 3A (7480N01 Wellington/Wahiawa)
CHNL ODO Spare

2nd Stage TDMPS: Trunk 78DNO2 (Circuit DTNX6L7B)
CHNL OAO DTNX6L7C, RP 1A (78DNO3 Canberra/Wahiawa)
CHNL OBO DULQSNBK, RP OO
CHNL OCO Unequipped
CHNL ODO Spare CHNL

2nd Stage TDMPS: Trunk 78ON01 (Circuit DTNX6V5Z)
CHNL OAO BUEESNZZ RP 3A
CHNL OBO IUEESUNZ
CHNL OCO Spare CHNL
CHNL ODO Spare CHNL

3RD Stage LSTDMPS: Trunk 78DN03 (Circuit DTNX6L7C)
CHNL OAO DORAKDE1, RP 1A
CHNL OBO NDIA256D, RP 1C
CHNL OCO Spare CHNL
CHNL ODO DULQSDXV, RP 3A
CHNL OEO DULQSDXT, RP 1G
CHNL OFO DULQSDXU, RP 3A
CHNL OGO DULQSDXW, RP OO
CHNL OHO BDFASS6F, RP 2A
CHNL OIO BDFASS6G, RP 2A
CHNL OJO Spare CHNL
CHNL OKO IUMAKQ4A, RP OO
CHNL OLO DDDAPWO6, RP 1A
CHNL OMO IUMAXH4P, RP OO (Send only - AS to US)
CHNL OMO BBDAKQ1Q, RP 2C (On-Call/Send only - US to NZ)
CHNL ONO DULQSDXX, RP OO
CHNL OOO Spare CHNL

(b) Canberra-Wellington

1st stage TDMPS: Trunk 775NO4 (Circuit DTNX6V45,
RP 1A)
CHNL OAO DTNX6V46, RP 1A (775N05 Canberra/Wellington)
CHNL OBO DTNX6V5Z, RP 3A (87ON01 Wellington/Wahiawa)

2nd Stage TDMPS: Trunk 775N05 (Circuit DTNX6V46)
CHNL OAO DTNX6V47, RP 1A (775N06 Canberra/Wellington)
CHNL OBO DTNDP5910
CHNL OCO Unequipped
CHNL ODO Spare CHNL

2nd stage TDMPS: Trunk 780N01 (Circuit DTNX6V52)
CHNL OAO BUEESNZZ, RP 3A
CHNL OBO IUEESUNZ, RP 00
CHNL OCO Spare CHNL
CHNL ODO Spare CHNL

3rd Stage LSTDMPS: Trunk 775N06 (Circuit DTNX6V47)
CHNL OAO DORAKDE1, RP 1A
CHNL OBO NDIA256D, RP 1C
CHNL OCO Spare CHNL
CHNL ODO DULQSDXV, RP 3A
CHNL OEO Spare CHNL
CHNL OFO Spare CHNL
CHNL OGO DCN 501
CHNL OHO DCN 502/7
CHNL OIO DCN 502/8
CHNL OJO DCN 502/9
CHNL OKO DCN 502/10
CHNL OLO Spare CHNL
CHNL OMO BBDAKQ1Q, RP 2C (On-Call/Send only US to NZ)
CHNL ONO Spare CHNL
CHNL OOO Spare CHNL

8. Record of Changes

- (a) Changes to this plan will be issued with identifying consecutive change numbers either by message, mail, or computer printout.

- (b) Holders will record entry data in the following change record.

CHANGE NUMBER	DATE OF CHANGE	DATE ENTERED	ENTERED BY	REMARKS
------------------	-------------------	-----------------	---------------	---------

9. This Annex to the basic Agreement contains a Restoral Plan which is valid only as long as the basic Agreement remains in effect. Fact-of-Life changes can be made to this Annex upon the agreement of both signatories, as long as these changes relate only to restoral and after-the-fact signed copies of the Annex are provided to DCA and DGJCE as holders of the original Agreement.

10. This Restoral Plan shall enter into effect upon the date of the last signature.

For the Australian Director General, Joint Communications- Electronics:	For the United States Defense Communications Agency-Pacific Area:
---	---

Signature: _____ Signature: _____

Name: _____ Name: _____

Title: _____ Title: _____

Agency: _____ Agency: _____

Date Signed: _____ Date Signed: _____

Place Signed: _____ Place Signed: _____

Distribution of Restoral Plan:	Copies
Director General Joint Communications- Electronics Department of Defence Russell Offices Canberra ACT 2600 AUSTRALIA	3
Director of Defence Communications Defence Headquarters Private Bag Wellington NEW ZEALAND	3
Director Defense Communications Agency Attn: Code B650 WASHINGTON, DC 20305-2000	1
Commander Defense Communications Agency, Pacific Area Attn: Code P500 P610 WHEELER AFB, HI 96854	3
Commanding Officer US Naval Communications Area Master Station Eastern Pacific Attn: W34 WAHIAWA, HI 96786	2
Commanding Officer US Naval Communications Area Master Station Western Pacific Attn: 34 FINEGAYAN, GUAM 96630	2

APPENDIX 1 TO
ANNEX E

Individual Circuit/LSTDM Restorals

1. Individual channel failures on the LSTDMPS circuits (6L7C and 6V47) shall be restored via spare channels of the LSTDMPS that are properly configured for the type/speed circuit or by preemption of a circuit with a lower restoration priority on the LSTDMPS. The designation of which spare channel to use or which circuit to preempt, if required, shall be determined by the TCO.

2. Failure of the Entire LSTDMPS:

(a) Failure of the LSTDMPS on the Wahiawa-Canberra Trunk (6L7C):

(1) The TCO shall direct Harman, Wahiawa, and NAVCAMS WESTPAC Guam to activate the HF backup trunk ASW-310 DTXX6Y2B (78DY02). NAVCAMS WESTPAC shall place two spare VFCT's on-line. One for send/receive to AS, one for send/receive to Wahiawa. Upon confirmation by Harman and Wahiawa that the trunk is activated, the TCO shall order the patching of circuits from the LSTDMPS (6L7C) to the HF VFCT 6Y2B in accordance with the following channelization:

(a) DORAKDE1 1A Wellington/Wahiawa

- (1) Harman MCS/FIN BFC, via 78DY02
001T Spare Chnl
- (2) FIN BFC/WWA BFC, via 78DY02
001T Spare Chnl

- (b) NDIA256D 1C Canberra/Cp Smith
 - (1) Harman MCS/FIN BFC, via 78DY02
002T Spare Chnl
 - (2) FIN BFC/WWA BFC, via 78DY02
002T Spare Chnl

- (c) DULQSDXV 3A Wellington/Wahiawa
 - (1) Harman MCS/FIN BFC, via 78DY02
004T Spare Chnl
 - (2) FIN BFC/WWA BFC, via 78DY02
004T Spare Chnl

- (d) DULQSDXT 1G Canberra/Wahiawa
 - (1) Harman MCS/FIN BFC, via 78DY02
005T Spare Chnl
 - (2) FIN BFC/WWA BFC, via 78DY02
005T Spare Chnl

- (e) DULQSDXU 3A Canberra/Wahiawa
 - (1) Harman MCS/FIN BFC, via 78DY02
006T Spare Chnl
 - (2) FIN BFC/WWA BFC, via 78DY02
006T Spare Chnl

- (f) DULQSDXW 00 Canberra/Wahiawa
 - (1) Harman MCS/FIN BFC, via 78DY02
007T Spare Chnl
 - (2) FIN BFC/WWA BFC, via 78DY02
007T Spare Chnl

- (g) BDFASS6F 2A UNDTMNDL/Wahiawa
 - (1) Harman MCS/FIN BFC, via 78DY02
008T Spare Chnl
 - (2) FIN BFC/WWA BFC, via 78DY02
008T Spare Chnl

- (h) BDFASS6G 2A UNDTMNDL/Wahiawa
 - (1) Harman MCS/FIN BFC, via 78DY02
009T Spare Chnl
 - (2) FIN BFC/WWA BFC, via 78DY02
009T Spare Chnl
- (i) IUMAKQ4A 00 Harman/Finegayan
 - (1) Harman MCS/FIN BFC, via 78DY02
011T Spare Chnl
- (j) DDDAPWO6 1A Woomera/Wheeler
 - (1) Harman MCS/FIN BFC, via 78DY02
012T Spare Chnl
 - (2) FIN BFC/WWA BFC, via 78DY02
012T Spare Chnl
- (k) TUMAXH4P 00 Harman/Wahiawa (Send Only)
 - (1) Harman MCS/FIN BFC, via 78DY02
013T Spare Chnl (Send Only)
 - (2) FIN BFC/WWA BFC, via 78DY02
013T Spare Chnl (Send Only)
- (l) BBDAKQ1Q 2C BARBRSP/Twaiouru (Send Only)
 - (1) WWA BFC/FIN BFC, via 78DY02
013T Spare Chnl (Send Only)
 - (2) FIN BFC/Harman MCS, via 78DY02
013T Spare Chnl (Send Only)
- (m) DULQSDXX 00 Canberra/Wahiawa
 - (1) Harman MCS/FIN BFC, VIA 78DY02
014T Spare Chnl
 - (2) FIN BFC/WWA BFC, via 78DY02
014T Spare Chnl

The TCO shall advise DCU Wellington of the LSTDMP5 failure.

(b) Failure of the LSTDMP5 on the Canberra-Wellington Trunk (6V47):

- (1) The TCO shall direct NAVCOMMSTA Canberra, DCO wellington, and Watsonia to restore circuits as required utilizing the Melbourne-Wellington trunk ASK-201/DCN-502 (6 channel capacity). Circuits shall be restored in accordance with the mutually agreed to restoration priority assignment.
- (2) The TCO shall direct Waiouru and Wahiawa to activate the HF backup trunk DCN-602X/DTXX6Y78 (780B02) and direct patching and/or realignment of circuits as required.

APPENDIX 2 TO
ANNEX E

Codex 980 MUX Failure/Restoral

1. Failure at Wahiawa and/or Canberra (6L7B):
 - (a) Patch to a spare 980 MUX and, if required, configure the ports for use on this trunk.
 - (b) If a spare 980 MUX is not available, advise the TCO. The TCO will:
 - (1) Direct Wahiawa-Canberra to by-pass the failed 980 MUX (leaving the other operable 980 MUX and LSTDMPs on line). If both 980 MUX equipments are inoperable, and the commercially leased path is available, the TCO shall direct the by-pass of both 980 MUX equipments and operate the 9600 LSI Modem and LSTDMPs on-line.
 - (a) NOTE: The "CONFIG" switch on the MUX-I card of the 9600 LSI modem must reflect any changes to the 980 MUX configuration at both Wahiawa and Canberra.
 - (2) The TCO shall direct Harman, Wahiawa, and NAVCAMS WESTPAC Guam to activate the HF backup trunk ASW-310 DTXX6Y2B (78DY02). NAVCAMS WESTPAC shall place two spare VFCT's on-line. One for send/receive to AS, one for send/receive to Wahiawa. Upon confirmation by Harman or Wahiawa that the

trunk is activated, the TCO shall order the patching of circuits from the LSTDMP5 (6L7C) to the HF VFCT (6Y2B) in accordance with the following channelization:

- (a) DORAKDE1 1A Wellington/Wahiawa
 - (1) Harman MCS/FIN BFC, via 78DY02
001T Spare Chnl
 - (2) FIN BFC/WWA BFC, via 78DY02
001T Spare Chnl

- (b) NDIA256D 1C Canberra/Cp Smith
 - (1) Harman MCS/FIN BFC, via 78DY02
002T Spare Chnl
 - (2) FIN BFC/WWA BFC, via 78DY02
002T Spare Chnl

- (c) DULQSDXV 3A Wellington/Wahiawa
 - (1) Harman MCS/FIN BFC, via 78DY02
004T Spare Chnl
 - (2) FIN BFC/WWA BFC, via 78DY02
004T Spare Chnl

- (d) DULQSDXT 1G Canberra/Wahiawa
 - (1) Harman MCS/FIN BFC, via 78DY02
005T Spare Chnl
 - (2) FIN BFC/WWA BFC, via 78DY02
005T Spare Chnl

- (e) DULQSDXU 3A Canberra/Wahiawa
 - (1) Harman MCS/FIN BFC, via 78DY02
006T Spare Chnl
 - (2) FIN BFC/WWA BFC, via 78DY02
006T Spare Chnl

- (f) DULQSDXW 00 Canberra/Wahiaawa
 - (1) Harman MCS/FIN BFC, via 78DY02
007T Spare Chnl
 - (2) FIN BFC/WWA BFC, via 78DY02
007T Spare Chnl

- (g) BDFASS6F 2A UNDTMNDL/Wahiaawa
 - (1) Harman MCS/FIN BFC, via 78DY02
008T Spare Chnl
 - (2) FIN BFC/WWA BFC, via 78DY02
008T Spare Chnl

- (h) BDFASS6G 2A UNDTMNDL/Wahiaawa
 - (1) Harman MCS/FIN BFC, via 78DY02
009T Spare Chnl
 - (2) FIN BFC/WWA BFC, via 78DY02
009T Spare Chnl

- (i) IUMAKQ4A 00 Harman/Finegayan
 - (1) Harman MCS/FIN BFC, via 78DY02
011T Spare Chnl

- (j) DDDAPW06 1A Woomera/Wheeler
 - (1) Harman MCS/FIN BFC, via 78DY02
012T Spare Chnl
 - (2) FIN BFC/WWA BFC, via 78DY02
012T Spare Chnl

- (k) TUMAXH4P 00 Harman/Wahiaawa (Send Only)
 - (1) Harman MCS/FIN BFC, via 78DY02
013T Spare Chnl (Send Only)
 - (2) FIN BFC/WWA BFC, via 78DY02
013T Spare Chnl (Send Only)

(1) BBDAKQ1Q 2C BARBRSP/Waiouru (Send Only)

(1) WWA BFC/FIN BFC, via 78DY02

013T Spare Chnl (Send Only)

(2) FIN BFC/Harman MCS, via 78DY02

013T Spare Chnl (Send Only)

(m) DULQSDXX 00 Canberra/Wahiawa

(1) Harman MCS/FIN BFC, via 78DY02

014T Spare Chnl

(2) FIN BFC/WWA BFC, via 78DY02

014T Spare Chnl

2. Failure at Canberra and/or Wellington (6V46):

(a) Patch to the spare 980 MUX and, if required, reconfigure the ports for use on this trunk.

(b) If a spare 980 MUX is not available, advise the TCO. The TCO shall:

(1) Direct NAVCOMMSTA Canberra, DCU Wellington, and Watsonia to restore circuits as required utilizing the Melbourne-Wellington trunk ASK-201/DCN 502.

(2) Direct Waiouru and Wahiawa to activate the backup HF VFCT trunk DCN-602X/DTXX6Y78 (780B02) and direct patching of circuits as required.

3. Failure at Wahiawa or Wellington (6V52):

(a) Patch to spare 980 MUX and, if required, reconfigure the ports for use on this trunk.

(b) If a spare 980 MUX is not available, advise the TCO. Because of the lack of alternate DCS path/facilities, the 600 BPS circuit supported by 6V52 cannot be restored.

4. At the discretion of the TCO, if the Harman/Guam backup HF VFCT trunk ASW310/BTXX6U2B (78DY02) is unusable, patching of selected LSTDMP5 (6L7C) circuits through the Canberra - H.E. Holt HF VFCT trunk DTXX6V95 (770Y01) can be considered.

APPENDIX 3 TO
ANNEX E

Failure of the CODEX 9600 LSI Modem

1. Failure of Wahiawa and/or Canberra (6L7A):
 - (a) Patch to the spare CODEX 9600 LSI modem.
 - (b) If the spare CODEX 9600 LSI modem is not available, advise the TCO, who will implement the following:
 - (1) Direct Canberra and Wahiawa to activate the backup VFCT trunk equipment (78DY02) on the commercially leased path. Upon confirmation that the VFCT is activated on the leased path, the TCO shall direct patching of circuits for 6L7C to 6Y2B.
 - (2) The TCO shall direct Harman, Wahiawa, and NAVCAMS WESTPAC Guam to activate HF backup trunk ASW-310 DTXX6U2B (78DY02). NAVCAMS WESTPAC will place two spare VFCT's on-line. One for send/receive to AS, one for send/receive to Wahiawa. Upon confirmation by Harman or Wahiawa that the trunk is activated, the TCO shall order the patching of circuits from the LSTDMP5 (6L7C) to the HF VFCT (6U2B) in accordance with the following channelization:
 - (a) DORAKDEL 1A Wellington/Wahiawa
 - (1) Harman MCS/FIN BFC, via 78DY02
001T Spare Chnl
 - (2) FIN BFC/WWA BFC, via 78DY02
001T Spare Chnl

- (b) NDIA256D 1C Canberra/Cp Smith
 - (1) Harman MCS/FIN BFC, via 78DY02
002T Spare Chnl
 - (2) FIN BFC/WWA BFC, via 78DY02
002T Spare Chnl

- (c) DULQSDXV 3A Wellington/Wahiawa
 - (1) Harman MCS/FIN BFC, via 78DY02
004T Spare Chnl
 - (2) FIN BFC/WWA BFC, via 78DY02
004T Spare Chnl

- (d) DULQSDXT 1G Canberra/Wahiawa
 - (1) Harman MCS/FIN BFC, via 78DY02
005T Spare Chnl
 - (2) FIN BFC/WWA BFC, via 78DY02
005T Spare Chnl

- (e) DULQSDXU 3A Canberra/Wahiawa
 - (1) Harman MCS/FIN BFC, via 78DY02
006T Spare Chnl
 - (2) FIN BFC/WWA BFC, via 78DY02
006T Spare Chnl

- (f) DULQSDXW 00 Canberra/Wahiawa
 - (1) Harman MCS/FIN BFC, via 78DY02
007T Spare Chnl
 - (2) FIN BFC/WWA BFC, via 78DY02
007T Spare Chnl

- (g) BDFASS6F 2A UNDTMNDL/Wahiawa
 - (1) Harman MCS/FIN BFC, via 78DY02
008T Spare Chnl
 - (2) FIN BFC/WWA BFC, via 78DY02
008T Spare Chnl

- (h) BDFASS6G 2A UNDTMNDL/Wahiawa
 - (1) Harman MCS/FIN BFC, via 78DY02
009T Spare Chnl
 - (2) FIN BFC/WWA BFC, via 78DY02
009T Spare Chnl
- (i) IUMAKQ4A 00 Harman/Finegayan
 - (1) Harman MCS/FIN BFC, via 78DY02
011T Spare Chnl
- (j) DDDAPWO6 1A Woomera/Wheeler
 - (1) Harman MCS/FIN BFC, via 78DY02
012T Spare Chnl
 - (2) FIN BFC/WWA BFC, via 78DY02
012T Spare Chnl
- (k) TUMAXH4P 00 Harman/Wahiawa (Send Only)
 - (1) Harman MCS/FIN BFC, via 78DY02
013T Spare Chnl (Send Only)
 - (2) FIN BFC/WWA BFC, via 78DY02
013T Spare Chnl (Send Only)
- (l) BBDAKQ1Q 2C BARBRSP/Twaiouru (Send Only)
 - (1) WWA BFC/FIN BFC, via 78DY02
013T Spare Chnl (Send Only)
 - (2) FIN BFC/Harman MCS, via 78DY02
013T Spare Chnl (Send Only)
- (m) DULQSDXX 00 Canberra/Wahiawa
 - (1) Harman MCS/FIN BFC, VIA 78DY02
014T Spare Chnl
 - (2) FIN BFC/WWA BFC, via 78DY02
014T Spare Chnl

2. Failure at Canberra and/or Wellington (6V45):

- (a) Patch to the spare CODEX 9600 LSI modem.

- (b) If the spare CODEX 9600 LSI modem is not available, advise the TCO. The TCO shall:
- (1) Direct NAVCOMMSTA Canberra, DCU Wellington, and Watsonia to restore circuits as required utilizing the Melbourne-Wellington trunk ASK-201/DCN 502.
 - (2) Direct Waiouru and Wahiawa to activate the backup HF VFCT trunk DCN-602X/DTXX6Y78 (780B02) and direct patching of circuits as required.
 - (3) Restoral of the 600 BPS data circuits is not available.

APPENDIX 4 TO
ANNEX E

Failure of the Leased Path/Trunks

1. Failure of the leased satellite channel. Upon confirmation that the commercially leased trunk is down, the TCO shall:

(a) Contact the commercial carrier's representative and advise them of the problem.

(b) Failure of the LSTDMPs on the Wahiawa-Canberra trunk (6L7C):

(1) The TCO shall direct Harman, Wahiawa, and NAVCAMS WESTPAC Guam to activate the HF backup trunk ASW-310 DTXX6U2B (78DY02). NAVCAMS WESTPAC shall place 2 spare VFCT's on-line. One for send/receive to AS, one for send/receive to Wahiawa. Upon confirmation by Harman or Wahiawa that the trunk is activated, the TCO shall order the patching of circuits from the LSTDMPs (6L7C) to the HF VFCT (6Y2B) in accordance with the following channelization:

(a) DORAKDE1 1A Wellington/Wahiawa

(1) Harman MCS/FIN BFC, via 78DY02
001T Spare Chnl

(2) FIN BFC/WWA BFC, via 78DY02
001T Spare Chnl

- (b) NDIA256D 1C Canberra/Cp Smith
 - (1) Harman MCS/FIN BFC, Via 78DY02
002T Spare Chnl
 - (2) FIN BFC/WWA BFC, via 78DY02
002T Spare Chnl

- (c) DULQSDDXV 3A Wellington/Wahiawa
 - (1) Harman MCS/FIN BFC, via 78DY02
004T Spare Chnl
 - (2) FIN BFC/WWA BFC, via 78DY02
004T Spare Chnl

- (d) DULQSDXT 1G Canberra/Wahiawa
 - (1) Harman MCS/FIN BFC, via 78DY02
005T Spare Chnl
 - (2) FIN BFC/WWA BFC, via 78DY02
005T Spare Chnl

- (e) DULQSDXU 3A Canberra/Wahiawa
 - (1) Harman MCS/FIN BFC, via 78DY02
006T Spare Chnl
 - (2) FIN BFC/WWA BFC, via 78DY02
006T Spare Chnl

- (f) DULQSDXW 00 Canberra/Wahiawa
 - (1) Harman MCS/FIN BFC, via 78DY02
007T Spare Chnl
 - (2) FIN BFC/WWA BFC, via 78DY02
007T Spare Chnl

- (g) BDFASS6F 2A UNDTMNDL/Wahiawa
 - (1) Harman MCS/FIN BFC, via 78DY02
008T Spare Chnl
 - (2) FIN BFC/WWA BFC, via 78DY02
008T Spare Chnl

- (h) BDFASS6G 2A UNDTMNDL/Wahiawa
 - (1) Harman MCS/FIN BFC, via 78DY02
009T Spare Chnl
 - (2) FIN BFC/WWA BFC, via 78DY02
009T Spare Chnl
 - (i) IUMAKQ4A 00 Harman/Finegayan
 - (1) Harman MCS/FIN BFC, via 78DY02
011T Spare Chnl
 - (j) DDDAPW06 1A Woomera/Wheeler
 - (1) Harman MCS/FIN BFC, via 78DY02
012T Spare Chnl
 - (2) FIN BFC/WWA BFC, via 78DY02
012T Spare Chnl
 - (k) TUMAXH4P 00 Harman/Wahiawa (Send Only)
 - (1) Harman MCS/FIN BFC, via 78DY02
013T Spare Chnl (Send Only)
 - (2) FIN BFC/WWA BFC, via 78DY02
013T Spare Chnl (Send Only)
 - (l) BBDAKQ1Q 2C BARBRSP/T/Waiouru (Send Only)
 - (1) WWA BFC/FIN BFC, via 78DY02
013T Spare Chnl (Send Only)
 - (2) FIN BFC/Harman MCS, via 78DY02
013T Spare Chnl (Send Only)
 - (m) DULQSDXX 00 Canberra/Wahiawa
 - (1) Harman MCS/FIN BFC, via 78DY02
014T Spare Chnl
 - (2) FIN BFC/WWA BFC, via 78DY02
014T Spare Chnl
- (c) Direct Wahiawa and Canberra to put a test on channel OAO the LSTDMP5 (6V47) and monitor the

test until the trunk is restored to service and the commercial carrier has advised that the trunk has been restored.

2. Failure of the Trans-Tasman trunk (775Q01). Upon confirmation that the trunk is down, the TCO shall:

- (a) Contact the commercial carrier's representative and advise them of the problem.
- (b) Direct Waiouru and Wahiawa to activate the backup HF VFCT trunk (DCN-602X/DTXX6U78 (780B02) and direct patching and/or realignment of circuits as required.
- (c) Direct NAVCOMMSTA Canberra, DCU Wellington, and Watsonia to restore circuits as required utilizing the Melbourne-Wellington trunk ASK-201/DCN 502.
- (d) Direct Wahiawa and Canberra to put a test on channel OAO the LSTDMP5 (6L7C) and monitor the test until the trunk is restored to service and the commercial carrier has advised that the trunk has been restored.

ATTACHMENT 1 TO
APPENDIX 4 TO
ANNEX E

Date

FROM:

TO: Commander
Defense Communications Agency, Pacific Area
ATTN: P314
Wheeler AFB, Hawaii 96854

SUBJECT: DCA-PAC RPLAN P1000, DATED MARCH 1989

The subject RPLAN was received with the
Appendices 1, 2, 3 and 4.

ANNEX F

FUNDING ARRANGEMENTS

US Use of Commercial Systems:

1. In meeting its own telecommunications requirements in AS, the US shall lease commercial circuits and pay the costs of such leases using the procedures outlined in Annex D.

SIMPSON System

2. Responsibilities for operation of trunk lease charges are contained in Appendix 1 to Annex A; specifically:

- (a) Payment for trans-Pacific 9600 baud trunk - US
- (b) Payment for Paumalu/NAVCAMS EASTPAC circuit - US.
- (c) Payment for trans-Tasman 4800 baud trunk - AS
- (d) Payment for local circuit in AS - AS.

Costs of trunk lease charges are apportioned in accordance with allocation of system capacity, as stated in paragraph 4.

3. Unless otherwise stated in this Agreement, spare system capacity either existing at the time this understanding becomes effective or created as a result of subsequent system expansion, equitably shall be made available on a reimbursable basis to either party as valid requirements are identified. Appendix 1 to Annex A reflects the existing spare capacity. This Appendix shall be updated on a regular basis to reflect configuration changes.