No. 26762

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# UNITED STATES OF AMERICA
# and
# CANADA

## Letter of Agreement concerning narrative record telecommunication interface arrangements (with appendices). Signed at Ottawa on 15 September 1981, and at Washington on 22 October 1981

*Authentic text: English.*

*Registered by the United States of America on 8 August 1989.*

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# ÉTATS-UNIS D'AMÉRIQUE
# et
# CANADA

## Lettre d'accord concernant les dispositifs d'interconnection pour la télécommunication d'enregistrements textuels (avec appendices). Signée à Ottawa le 15 septembre 1981, et à Washington le 22 octobre 1981

*Texte authentique : anglais.*

*Enregistrée par les États-Unis d'Amérique le 8 août 1989.*

# LETTER OF AGREEMENT[1] BETWEEN THE UNITED STATES DEPARTMENT OF DEFENSE (US DoD) AND THE DEPARTMENT OF NATIONAL DEFENCE (DND) CANADA CONCERNING NARRATIVE RECORD TELECOMMUNICATION INTERFACE ARRANGEMENTS

## INTRODUCTION

1. Recognizing the mutual advantages to be gained by improving the existing manual arrangements for the transfer of narrative record traffic between the United States' Defense Communications System's Automatic Digital Network (AUTODIN) and Canada's Automated Defence Data Network (ADDN), the Director, Defense Communications Agency (DCA), acting on behalf of the United States Department of Defense (US DoD) and the Director General, Communications and Electronics Operations (DGCEO), acting on behalf of the Department of National Defence (DND) Canada, agree to connect the two networks through selected switching equipment of both National Defense Organizations (NDO).

## THE AGREEMENT

2. It is agreed that the DND will be provided automatic access from the ADDN to AUTODIN, and the DoD will be provided a reciprocal capability by the DND. The Director, DCA, and the DGCEO will offer these services as a matter of international courtesy. Further, the Director, DCA, and the DGCEO will jointly establish the interfaces to satisfy engineering, traffic distribution and emergency routing considerations.

## PROVISIONS OF INTERFACE

3. The communications terminal equipment and the interconnecting circuits between the two networks will be provided by both a US DoD and an agency of the DND. There will be no financial exchange between the two NDOs arising from the communications service each will provide to the other under the terms of this agreement. In all cases the cost of providing and maintaining the terminal equipment for both ends of interface circuits provided by one NDO will be considered as equating to the cost of providing and maintaining the interconnecting circuits provided by the other NDO. Each NDO will undertake to complete agreed minor maintenance tasks to equipment on site. Each NDO will bear the cost of its own site preparation required to accommodate terminal equipment. Details of each specific interface will be covered by an appendix hereto.

## CONTROL

4. The Commander, Canadian Forces Communications Command (CFCC), has responsibility for technical arrangements for the interface. CFCC will collaborate with the DCA in discharging this responsibility.

[1] Came into force on 22 October 1981 by signature, in accordance with paragraph 9.

5. Local control of ADDN traffic entering the AUTODIN will be implemented by the connected AUTODIN Switching Center (ASC). AUTODIN traffic entering the ADDN will be under the local control of the connected CFCC Automatic Switching Node.

COMMUNICATION PROCEDURES

6. Each network will conform with the communication operating procedures of the host network except as otherwise mutually understood and recorded in the appendix covering each specific interface. The following conditions are understood to prevail for all appendices:

*a.* There will be no impact on or changes to Allied Communications Publication (ACP) 127 formats or general procedures except service message text format and general service message response procedures, which will be as specified in the US Joint Army, Navy, and Air Force Publication (JANAP) 128.

*b.* Changes or amendments to JANAP 128 procedures will not require the approval of the DND, but DND will be kept informed of all changes.

*c.* Each NDO recognizes that changes in procedure may affect the software for the other NDO's switch to an extent that may make the interchange of traffic impractical, and that consultation between them is necessary to coordinate proposed changes.

*d.* Traffic requiring special handling, because of its security caveat, will not be introduced into the networks by either NDO on circuits not cleared for the special handling caveat used, unless off-line encrypted.

*e.* Appropriate communications security equipment keying material will be provided on recurring basis by each NDO's responsible issuing authority.

*f.* Each NDO reserves the right to impose MINIMIZE procedures or to institute other measures to limit traffic flow.

SECURITY

7. In order to prevent unauthorized disclosure or compromise of classified information or equipment, both NDOs will undertake to impose such security measures, in accordance with the standing security arrangements and procedures prevailing between them, to afford classified material protection substantially the same as that normally given by the supplying NDO.

LIABILITIES

8. Neither NDO shall be held liable for damages resulting from any failure of the equipment, system, or handling of narrative record telecommunications under the provisions of this agreement.

EFFECTIVE DATE AND MODIFICATIONS

9. This basic agreement will be effective for a five-year period from the date of signature of this letter. Either NDO may cancel specific interface arrangements at a minimum notice of 90 days but a notice of 12 months is preferable. Specific interface arrangements may be modified at any time by the mutual consent of the two NDOs.

SIGNATURES

10. The foregoing represents a record of the basic agreement between the Department of National Defence of Canada and the United States Department of Defense upon the matters referred to therein and will enter into force upon signature by their authorized representatives.

| For the Department of National Defence of Canada: | | For the Department of Defense of the United States: | |
|---|---|---|---|
| *Signature:* | [*Signed*] | *Signature:* | [*Signed*] |
| *Name:* | B. J. BENNETT | *Name:* | WILLIAM J. HILSMAN |
| *Title:* | Dir Gen, C&E OPNS | *Title:* | Director |
| *Agency:* | HQ National Defence | *Agency:* | Defense Comm Agency |
| *Date signed:* | 15 Sep 81 | *Date signed:* | 22 Oct 81 |

Attachments

Appendix 1: Interface between Hancock ASC Borden Concentrator/Node
Appendix 2: Interface between Hancock ASC Debert Concentrator/Node
Appendix 3: Interface between McClellan ASC Penhold Concentrator/Node
Appendix 4: Interface between Pirmasens ASC and Lahr Airfield, Germany

## APPENDIX 1

### Title

1. Appendix 1 to Letter of Agreement (LOA) between the United States Department of Defense and the Department of National Defence, Canada, concerning Narrative Record Telecommunication Interface Arrangements.

### Purpose

2. To specify the operational features of the interface between the AUTODIN switching center at Hancock, NY, and the Automatic Concentrator/Node at Borden, Ontario, that are essential to the efficient transfer of narrative record traffic.

### Introduction

3. This Appendix is an integral part of the basic LOA and supplements that agreement by stating technical characteristics and resource responsibilities pertaining to the Hancock-Borden interface.

### Technical Characteristics

4. The technical characteristics of the current interface are listed in Attachment 1.

### Resource Responsibilities

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

### Duration

6. This Appendix will be 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.

### Signature

7. The foregoing is a record of the agreed operational features of the interface described herein which become effective upon signature by authorized representatives of the Department of National Defence, Canada and the Department of Defense, United States.

| For the Department of National Defence of Canada: | | For the Department of Defense of the United States: | |
|---|---|---|---|
| *Signature:* | [*Signed*] | *Signature:* | [*Signed*] |
| *Name:* | B. J. BENNETT | *Name:* | WILLIAM J. HILSMAN |
| *Title:* | Dir Gen, C&E OPNS | *Title:* | Director |
| *Agency:* | HQ National Defence | *Agency:* | Defense Comm Agency |
| *Date signed:* | 15 Sep 81 | *Date signed:* | 22 Oct 81 |

ATTACHMENT 1 TO APPENDIX 1

TECHNICAL CHARACTERISTICS

| *Title* | *US* | *CDN* |
|---|---|---|
| Circuit Connectivity Points | Hancock MSU | Borden Concentrator/Node |
| Circuit Identification | DULQ 7F49 & 7F50 | 11262501 & 11262502 |
| Circuit Speed | 75 Baud | 75 Baud |
| Circuit Restoration Priority | 1G & 2I | 1G & 2I |
| Communications Mode | Mode V | Mode V |
| Net Control Station | Hancock ASC | Hancock ASC |
| Alternative Route | Hancock to Debert McClellan to Penhold | Via ADDN to Debert or Penhold |
| Message Format | ACP 127 | ACP 127 |
| Precedence (Highest) | FLASH | FLASH |
| Security Level | SECRET | SECRET |
| Traffic Handling Characteristics | US/CDN Common User Traffic | CDN/US Common User Traffic |
| Anticipated Traffic Volume | Approximately 15,000 Msg/MO | Approximately 6,000 Msg/MO |
| Terminal Equipment | ASC Termination | Through MAID to Concentrator/Node |
| Terminal Equipment Maintenance | ASC | CDN |
| COMSEC Equipment | KW 26 | KW 26 |
| COMSEC Maintenance | US | CDN |

ATTACHMENT 2 TO APPENDIX 1

## RESOURCE RESPONSIBILITIES FOR HANCOCK-BORDEN

### INTERFACE

| *Resource* | *At Hancock* | *At Borden* |
|---|---|---|
| 1. Prepare site | US | CDN |
| 2. Provide and install equipment: | | |
| *a.* Terminal | US | US |
| *b.* COMSEC | US | CDN |
| 3. Provide and maintain interconnect circuit | US | CDN |
| 4. Operate and maintain equipment: | | |
| *a.* Terminal | US | CDN |
| *b.* COMSEC | US | CDN |
| 5. Logistic support: | | |
| *a.* Terminal equipment | US | CDN/US (See Note) |
| *b.* COMSEC equipment | US | CDN |
| 6. Other (explain) | | |

NOTE. Three modular AUTODIN Interface Devices (MAID) are on site. Failure of the MAID requires that DND ship all or part of the MAID to the US for repair.

## APPENDIX 2

### Title

1. Appendix 2 to Letter of Agreement (LOA) between the United States Department of Defense and the Department of National Defence, Canada, concerning Narrative Record Telecommunication Interface Arrangements.

### Purpose

2. To specify the operational features of the interface between the AUTODIN switching center at Hancock, NY, and the Automatic Concentrator/Node at Debert, N.S., that are essential to the efficient transfer of narrative record traffic.

### Introduction

3. This Appendix is an integral part of the basic LOA, and supplements that agreement by stating technical characteristics and resource responsibilities pertaining to the Hancock-Debert interface.

### Technical Characteristics

4. The technical characteristics of the current interface are listed in Attachment 1.

### Resource Responsibilities

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

### Duration

6. This Appendix will be 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.

### Signature

7. The foregoing is a record of the agreed operational features of the interface described herein which become effective upon signature by authorized representatives of the Department of National Defence, Canada, and the Department of Defense, United States.

| For the Department of National Defence of Canada: | | For the Department of Defense of the United States: | |
|---|---|---|---|
| *Signature:* | [*Signed*] | *Signature:* | [*Signed*] |
| *Name:* | B. J. BENNETT | *Name:* | WILLIAM J. HILSMAN |
| *Title:* | Dir Gen, C&E OPNS | *Title:* | Director |
| *Agency:* | HQ National Defence | *Agency:* | Defense Comm Agency |
| *Date signed:* | 15 Sep 81 | *Date signed:* | 22 Oct 81 |

ATTACHMENT 1 TO APPENDIX 2

TECHNICAL CHARACTERISTICS

| *Title* | *US* | *CDN* |
|---|---|---|
| Circuit Connectivity Points | Hancock<br>MSU | Debert<br>Concentrator/Node |
| Circuit Identification | DULQ 7F51 & 7F52 | 13262501 & 13262502 |
| Circuit Speed | 75 Baud | 75 Baud |
| Circuit Restoration Priority | 1G & 2I | 1G & 2I |
| Communications Mode | Mode V | Mode V |
| Net Control Station | Hancock ASC | Hancock ASC |
| Alternative Route | Hancock to Borden<br>McClellan to Penhold | ADDN to Penhold Node<br>or Borden Node |
| Message Format | ACP 127 | ACP 127 |
| Precedence (Highest) | FLASH | FLASH |
| Security Level | SECRET | SECRET |
| Traffic Handling Characteristics | US/CDN Common<br>User Traffic | CDN/US Common<br>User Traffic |
| Anticipated Traffic Volume | Approximately<br>10,000 Msg/MO | Approximately<br>3,000 Msg/MO |
| Terminal Equipment | ASC Termination | Through MAID to<br>Concentrator/Node |
| Terminal Equipment Maintenance | ASC | CDN |
| COMSEC Equipment | KW 26 | KW 26 |
| COMSEC Maintenance | US | CDN |

ATTACHMENT 2 TO APPENDIX 2

## RESOURCE RESPONSIBILITIES FOR HANCOCK-DEBERT

### INTERFACE

| *Resource* | *At Hancock* | *At Debert* |
|---|---|---|
| 1. Prepare site | US | CDN |
| 2. Provide and install equipment: | | |
| *a.* Terminal | US | US |
| *b.* COMSEC | US | CDN |
| 3. Provide and maintain interconnect circuit | US | CDN |
| 4. Operate and maintain equipment: | | |
| *a.* Terminal | US | CDN |
| *b.* COMSEC | US | CDN |
| 5. Logistic support: | | |
| *a.* Terminal equipment | US | CDN/US (See Note) |
| *b.* COMSEC equipment | US | CDN |
| 6. Other (explain) | | |

NOTE. Three modular AUTODIN Interface Devices (MAID) are on site. Failure of the MAID requires that DND ship all or part of the MAID to the US for repair.

## APPENDIX 3

### Title

1. Appendix 3 to Letter of Agreement (LOA) between the United States Department of Defense and the Department of National Defence, Canada, concerning Narrative Record Telecommunication Interface Arrangements.

### Purpose

2. To specify the operational features of the interface between the AUTODIN switching center at McClellan, CA, and the Automatic Concentrator/Node at Penhold, Alta, that are essential to the efficient transfer of narrative record traffic.

### Introduction

3. This Appendix is an integral part of the basic LOA, and supplements that agreement by stating technical characteristics and resource responsibilities pertaining to the McClellan-Penhold interface.

### Technical Characteristics

4. The technical characteristics of the current interface are listed in Attachment 1.

### Resources Responsibilities

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

### Duration

6. This Appendix will be 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.

### Signature

7. The foregoing is a record of the agreed operational features of the interface described herein which become effective upon signature by authorized representatives of the Department of National Defence, Canada, and the Department of Defense, United States.

| For the Department of National Defence of Canada: | | For the Department of Defense of the United States: | |
|---|---|---|---|
| *Signature:* | [*Signed*] | *Signature:* | [*Signed*] |
| *Name:* | B. J. BENNETT | *Name:* | WILLIAM J. HILSMAN |
| *Title:* | Dir Gen, C&E OPNS | *Title:* | Director |
| *Agency:* | HQ National Defence | *Agency:* | Defense Comm Agency |
| *Date signed:* | 15 Sep 81 | *Date signed:* | 22 Oct 81 |

ATTACHMENT 1 TO APPENDIX 3

TECHNICAL CHARACTERISTICS

| *Title* | *US* | *CDN* |
|---|---|---|
| Circuit Connectivity Points | McClellan MSU | Penhold Concentrator/Node |
| Circuit Identification | DULQ Q977 & Q978 | 22253501 & 22253502 |
| Circuit Speed | 75 Baud | 75 Baud |
| Circuit Restoration Priority | 1G & 1G | 1G & 1G |
| Communications Mode | Mode V | Mode V |
| Net Control Station | McClellan ASC | McClellan ASC |
| Alternative Route | Via Hancock ASC | Via ADDN to Borden or Debert |
| Message Format | ACP 127 | ACP 127 |
| Precedence (Highest) | FLASH | FLASH |
| Security Level | SECRET | SECRET |
| Traffic Handling Characteristics | US/CDN Common User Traffic | CDN/US Common User Traffic |
| Anticipated Traffic Volume | Approximately 9,000 Msg/MO | Approximately 3,000 Msg/MO |
| Terminal Equipment | ASC Termination | Through MAID to Concentrator/Node |
| Terminal Equipment Maintenance | ASC | CDN |
| COMSEC Equipment | KW 26 | KW 26 |
| COMSEC Maintenance | US | CDN |

NOTE. In the event the Penhold to Wellington, New Zealand HF connectivity is lost or impaired, traffic may be altrouted via the U.S. AUTODIN. If the traffic load is significant, coordination with the McClellan ASC will be necessary prior to establishment of the altroute.

ATTACHMENT 2 TO APPENDIX 3

## RESOURCE RESPONSIBILITIES FOR MCCLELLAN-PENHOLD

### INTERFACE

| *Resource* | *At McClellan* | *At Penhold* |
|---|---|---|
| 1. Prepare site | US | CDN |
| 2. Provide and install equipment: | | |
| *a.* Terminal | US | US |
| *b.* COMSEC | US | CDN |
| 3. Provide and maintain interconnect circuit | US | CDN |
| 4. Operate and maintain equipment: | | |
| *a.* Terminal | US | CDN |
| *b.* COMSEC | US | CDN |
| 5. Logistic support: | | |
| *a.* Terminal equipment | US | CDN/US (See Note) |
| *b.* COMSEC equipment | US | CDN |
| 6. Other (explain) | | |

NOTE. Three modular AUTODIN Interface Devices (MAID) are on site. Failure of the MAID requires that DND ship all or part of the MAID to the US for repair.

## APPENDIX 4

1. *Title.* Appendix 4 to Letter of Agreement (LOA) between the Department of Defense of the United States of America and the Department of National Defence of Canada concerning Narrative Record Telecommunication Interface Arrangements.

2. *Purpose.* To specify the operational features of the interface between the AUTODIN Switching Center (ASC) at Pirmasens, Germany and the Canadian Forces Europe transfer station at Lahr, Germany, that are essential to the efficient exchange of record message traffic and providing over-the-counter service to U.S. forces activities assigned or attached to the Canadian Forces Air Base, Lahr, Germany.

3. *Introduction.* This Appendix is an integral part of the basic LOA, and supplements that agreement by stating technical characteristics and resource responsibilities pertaining to the Pirmasens-Lahr interface.

4. *Technical Characteristics.* The technical characteristics of this interface are listed in Attachment 1.

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

6. *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.

7. *Signature.* The foregoing is a record of the agreed operational features of the interface described herein which becomes effective upon signature by authorized representatives of Canada and the United States.

| For the Department of National Defence of Canada: | | For the Department of Defense of the United States: | |
|---|---|---|---|
| *Signature:* | [*Signed*] | *Signature:* | [*Signed*] |
| *Name:* | B. J. BENNETT | *Name:* | WILLIAM J. HILSMAN |
| *Title:* | Dir Gen, C&E OPNS | *Title:* | Director |
| *Agency:* | HQ National Defence | *Agency:* | Defense Comm Agency |
| *Date signed:* | 15 Sep 81 | *Date signed:* | 22 Oct 81 |

ATTACHMENT 1 TO APPENDIX 4

TECHNICAL CHARACTERISTICS OF PIRMASENS GERMANY
ASC-LAHR GERMANY COMMUNICATIONS CENTER

INTERFACE

| *Title* | *US* | *CANADA* |
|---|---|---|
| Telecommunications Facility | USG DCS ASC | Lahr Airfield COMMCEN |
| Circuit Connectivity Points | Pirmasens, GE<br>(73D SIG BN-USA) | Lahr, Ge<br>(Canadian Forces Europe) |
| Circuit Identification | 9HUF | ALLA 138559 |
| Circuit Speed | 300 Baud | Same as U.S. |
| Channel Identification | PCA | CPA |
| Circuit Restoration Priority | 00 | 00 |
| Communications Mode | Controlled TTY (Mode I) | Same as U.S. |
| Net Control Station | ASC Pirmasens | ASC Pirmasens |
| Alternative Route | Majrelsta, Kindsbach, Ge | Same as U.S. |
| Message Format | EU JANAP 128 | EU JANAP 128 |
| Precedence (Highest) | FLASH | FLASH |
| Security Level (Highest) | SECRET | SECRET |
| Traffic Handling Characteristics | US/Canada Common User Traffic and over-the-counter Service to U.S. activities | Same as U.S. |
| Anticipated traffic volume | 450 per month | 450 per month |
| Terminal Equipment | ASC Termination | U.S. provided TTY |
| Terminal Interface Equipment | ASC Termination | U.S. provided AID |
| COMSEC Equipment | U.S. provided KG-13 | U.S. provided KG-13 |

ATTACHMENT 2 TO APPENDIX 4

## RESOURCE RESPONSIBILITIES FOR PIRMASENS GERMANY ASC-LAHR COMMCEN

### INTERFACE

| *Resource* | *At Pirmasens ASC* | *At Lahr Airfield COMMCEN* |
|---|---|---|
| 1. Prepare site | US (Army) | US (Air Force) |
| 2. Provide and install equipment: | | |
| *a.* Terminal | US (Army) | US (Air Force) |
| *b.* COMSEC | US (Army) | US (Air Force) |
| *c.* Interface device | | US (Air Force) |
| 3. Provide and maintain interconnect circuit | US (See Note 1) | US |
| 4. Operate and maintain equipment: | | |
| *a.* Terminal | US (Army) | Canada |
| *b.* COMSEC | US (Army) | US (Air Force)/ Canada (See Notes 2/4) |
| *c.* Interface device | US (Army) | US (Air Force)/ Canada (See Notes 3/4) |
| 5. Logistic support: | | |
| *a.* Terminal equipment | US (Army) | Canada |
| *b.* COMSEC equipment | US (Army) | US (Air Force) |
| *c.* Interface device | US (Army) | US (Air Force) |

NOTES

1. The U.S. will operate and maintain circuits where provided via the USG DCS. Canada will provide on-base circuitry.
2. US Air Force will maintain COMSEC Equipment; Canada agrees to perform operator maintenance.
3. Canada will operate; US Air Force will maintain interface device.
4. If at a later date Canada has the capability to assume all or part of the maintenance responsibility for COMSEC and Interface devices, transfer of responsibility can be accomplished through local agreements.