

# Communications Management Unit Mark III



## Global Data Center Services Reference Guide

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# Table of Contents

Table of Contents .....	i
Introduction .....	1
GDC Services .....	1
GDC Services Access .....	2
General Information .....	3
Datalink System .....	3
CMU Mark III Configuration .....	3
CMU Mark III Displays .....	4
Line of Sight .....	4
Pre-Departure Clearances (PDCs) .....	4
Oceanic Clearances - Eastbound .....	5
Oceanic Clearances - Westbound .....	6
Automatic Position Reports .....	7
SEND and REQUEST Prompts .....	7
Procedures .....	9
1 Load AMI .....	9
2 Configure APM and FMS .....	12
3 Flight Plans .....	20
4 Winds and Temperatures Aloft .....	22
5 New Messages .....	25
6 Send Message .....	27
7 AOC Log .....	30
8 Terminal Weather .....	32
9 SIGMETs .....	34
10 Metro Weather .....	36
11 State Weather .....	38
12 PDCs .....	40
13 Oceanic Clearances - Eastbound .....	42
14 Oceanic Clearances - Westbound .....	44
15 ATS Log .....	49
16 ATIS .....	51
17 TWIP .....	53
18 Flow Control .....	55
19 NAT Tracks .....	57
20 Datalink Manager .....	59
21 Status .....	62
22 Reports .....	64
Appendix A – Air Traffic Services Airports .....	67
Appendix B – GDC Datalink Coverage Map .....	71

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# Introduction

Thank you for choosing Honeywell's Global Data Center (GDC) as your provider of flight support services. Through the GDC, you will receive efficient flight planning and filing, vital textual and graphical weather reports and forecasts, essential air traffic services, and extensive communication capabilities. As a participant in the FAA's Collaborative Decision Making program, additional Global Flight Guardian<sup>SM</sup> services utilize powerful real-time flight management methods to enhance safety and mitigate the adverse impact of weather and air traffic delays.

## GDC Services

**Flight Planning Services** Compute, file, uplink, and update domestic and international flight plans with wind optimized routes, Air Traffic Control (ATC) preferred routes, North Atlantic (NAT) Track routes, Central East Pacific routes ("Hawaiian Tracks"), customer stored routes, and pilot-defined random routes. Flight plans are computed based on performance data provided by the aircraft manufacturer, navigation database information from Jeppesen, and winds and temperatures aloft forecasts from the National Weather Service.

**Weather Services** Obtain preflight and inflight weather reports and forecasts, including route weather briefings, terminal weather reports and forecasts, winds and temperatures aloft forecasts, SIGMET forecasts, plain language weather forecasts, and graphical weather products.

**Air Traffic Services** Receive Digital Automated Terminal Information Service (D-ATIS) reports, Terminal Weather Information for Pilots (TWIP) reports, Pre-Departure Clearances (PDCs), oceanic clearances via datalink, NAT Track Messages, air traffic flow control reports, and airport reservations (AROs).

**Dispatching Services** Obtain aircraft takeoff reports, landing reports, and automatic position reports via fax, e-mail, and personal computer for accurate and timely flight following.

**Messaging Services** Send free text messages to the GDC, to other datalink equipped aircraft subscribing to GDC services, to ARINC, SITA, and AFTN addresses, and to telephone numbers, fax machines, and e-mail addresses.

## GDC Services Access

**Flight Data Specialists** Call the GDC twenty-four hours a day at 888.634.3330 or 425.885.8100 to speak with a Flight Data Specialist or Flight Control Specialist, aviation professionals able to provide all GDC services.

**AFISCOM Express** With AFISCOM Express software installed on a personal computer, connect to the GDC computer system via the Internet or dial-up modem in order to directly access GDC services. The latest version of AFISCOM Express, as well as other GDC publications, are available for download at [www.mygdc.com](http://www.mygdc.com).

**Web** Please visit the GDC's website at [www.mygdc.com](http://www.mygdc.com) to access an increasing number of services available from any computer with Web access.

**Datalink** Request GDC services via datalink through Honeywell's Communications Management Unit (CMU) Mark III datalink unit. This guide describes CMU Mark III operation based on GDC Airline Modifiable Information (AMI) database part number GDC-C3-CDU-0110, including how to uplink flight plans, request weather reports and forecasts, send and receive messages, and request air traffic services. Subsequent AMI databases may be released which contain internal changes only and do not require changes to this guide; please check with the GDC to verify the current AMI database part number and version of this guide. Please refer to the Load AMI procedure in this guide for detailed instructions to load the AMI database. Use of the AMI database developed by the GDC is required in order to access full GDC services.



## General Information

This section contains general information regarding accessing GDC services through the CMU Mark III.

### Datalink System

**Datalink Avionics** As the primary airborne component, the Mark III is a next generation datalink unit designed for both software flexibility and hardware expandability. The Mark III communicates primarily through an external Very High Frequency (VHF) transceiver, although optional airborne equipment may include a Satellite Data Communication System (SDCS) to provide datalink capability via satellite. Future communication modes expected to be implemented include High Frequency (HF) datalink and Ultra High Frequency (UHF) airborne telephone modem. The aircraft Flight Management System (FMS) provides the interface between the flight crew and the Mark III.

**Datalink Infrastructure** By default, the Mark III communicates via the land-based Aircraft Communication Addressing and Reporting System (ACARS) VHF network, which includes the ARINC and SITA subnetworks. Based on position information provided by the aircraft FMS, the Mark III automatically tunes to the appropriate subnetwork. In areas where VHF coverage is unavailable, the Mark III may use the Inmarsat Aero-H, Aero-H+, or Aero-I satellite networks. This provides both packet mode (datalink) and circuit mode (voice and data) capabilities to the aircraft. The Mark III switches to and from the satellite network based on VHF network coverage.

**Datalink Service Provider** As provider of flight support services, the GDC is at the hub of the system. In addition to performing host processing for the Mark III, the GDC has telephone, fax, and network connections to ATC facilities, Fixed Base Operators (FBOs), multiple weather providers, and customer flight departments.

### CMU Mark III Configuration

Configuration of the Mark III is performed by modifying the information stored in the Aircraft Personality Module (APM). The APM is installed at the rear of the Mark III mounting rack, which allows the Mark III to be removed and replaced without having to reconfigure the new unit. Information stored in the APM includes the aircraft registration (or permanent callsign), aircraft type, and airline identifier. Please refer to the Configure APM and FMS procedure in this guide for detailed instructions to configure the Mark III for GDC services.

## **CMU Mark III Displays**

Datalink functions provided by the Mark III are accessible through four types of displays: Flight Management System (FMS) displays, Aeronautical Operational Communication (AOC) displays, Air Traffic Service (ATS) displays, and system displays. FMS displays provide access to FMS related datalink functions, including flight plans and winds and temperatures aloft forecasts, and also to the AOC displays. AOC displays are defined by the GDC as part of the AMI database, which allows the GDC to add new displays as needed in order to support new services. Functions available through the AOC displays include sending and receiving messages, terminal weather reports and forecasts, and ATIS reports. The AOC displays in turn provide access to the ATS displays and system displays. Functions available through the ATS displays include PDCs and datalink oceanic clearances, while the system displays provide access to various system functions.

## **Line of Sight**

All Mark III transmissions, whether VHF or satellite, require line of sight to a VHF ground station or Inmarsat satellite respectively. Please refer to Appendix B for a map of GDC datalink coverage.

This is most often a concern when transmitting VHF on the ground due to the curvature of the Earth, high surrounding terrain, and manmade structures. VHF transmissions from many airports are simply not possible because the nearest VHF ground station is below the horizon or blocked by surrounding terrain. Even at airports with VHF ground stations, VHF transmissions from certain areas of the airport may not be successful due to manmade structures obstructing line of sight. In flight, VHF coverage is normally excellent, although coverage limitations may exist at low altitudes.

Transmitting via satellite while on the ground is generally reliable, although line of sight issues may still arise due to surrounding terrain and manmade structures. The curvature of the Earth is a concern only at latitudes greater than 70° North or South because the Inmarsat satellites are in an equatorial geostationary orbit. Except at these high latitudes, satellite coverage while in flight is seamless.

## **Pre-Departure Clearances (PDCs)**

Pre-Departure Clearances (PDCs) are departure clearances received via datalink and are available at many airports in the United States to Mark III equipped aircraft. The aircraft must also be registered through the GDC with the FAA and ARINC. Use of PDCs at participating airports is mandatory once registered; please refer to Appendix A for a list of participating airports.

A PDC is based on a filed IFR flight plan, regardless of whether the flight plan was filed by the GDC, through an FSS, or via DUATS. Approximately 20 minutes prior to the filed time of departure of the flight plan, ATC will generate and then forward the PDC to the GDC for storage. With this in mind, request the PDC no earlier than 15 minutes prior to the filed time of departure. Because this short time is often insufficient to receive the clearance and depart as planned, the GDC recommends filing the flight plan with a time of departure 30 minutes earlier than the actual intended time of departure. Please refer to the PDCs procedure for detailed instructions to request a PDC.

The PDC is sent to the aircraft as a datalink message. Once received, the flight crew is required to follow the clearance. Be sure to page forward through the PDC until **END OF CLEARANCE** is displayed. An aircraft may receive only one PDC per airport per day and a PDC will not be available if there is any change to the filed route and/or altitude or if the clearance needs to be negotiated. A PDC is valid for two hours beyond the filed time of departure.

## **Oceanic Clearances - Eastbound**

Delivery of oceanic clearances via datalink for eastbound transatlantic flights is available from Gander Area Control Centre (ACC) to Mark III equipped aircraft. The aircraft must also be registered through the GDC with ARINC and Gander ACC.

When flight planning, ensure that the phrase "AGCS EQUIPPED" (AGCS is an acronym for Air to Ground Communication System) is included in the ATC remarks section of the filed flight plan. This remark informs Gander ACC that the flight crew desires to receive the oceanic clearance via datalink.

Gander ACC sends the clearance to the GDC 10 to 60 minutes prior to aircraft entry into oceanic airspace. For aircraft in flight, Gander ACC generally sends the clearance by 70° West longitude. For aircraft departing Gander (CYQX), Goose Bay (CYYR), and St. John's (CYYT) airports, Gander ACC sends the oceanic clearance to the GDC at the same time it sends the departure clearance to the tower. Readback of the oceanic clearance is given to the tower, after which the tower issues the departure clearance.

The oceanic clearance is sent to the aircraft as a datalink message. With automatic position reports enabled, the GDC automatically sends the clearance to the aircraft as soon as it is received from Gander ACC. If automatic position reports are disabled, the flight crew must request the clearance. Please refer to the Oceanic Clearances - Eastbound procedure for detailed instructions to request an oceanic clearance for an eastbound flight.

Begin requesting the clearance approaching 70° West longitude, but if the clearance is not received by 10 minutes prior to entry into oceanic airspace, contact Gander ACC on the appropriate voice frequency. Oceanic clearances are valid for 30 minutes beyond the issue time and voice readback of oceanic clearances is required.

## **Oceanic Clearances - Westbound**

Delivery of oceanic clearances via datalink for westbound transatlantic flights is available from Shanwick Oceanic Control Area (OCA) to Mark III equipped aircraft. This service is known as Oceanic Route Clearance Authorisation (ORCA) and requires that the aircraft be registered with the GDC for the service.

The flight crew should request the clearance via datalink between 30 and 90 minutes prior to entry into the Shanwick OCA. Please refer to the Oceanic Clearance - Westbound procedure for detailed instructions. Shanwick normally responds to the clearance request with a message indicating that the clearance should be received within the next 15 minutes. Shanwick then sends the clearance to the aircraft, which contains the aircraft registration, entry point, ETA at the entry point, Mach number, flight level, route, and destination. The flight crew must promptly acknowledge the clearance via datalink by line selecting ACKNOWLEDGE on the message page containing the clearance. Failure to promptly acknowledge the clearance results in cancellation of the clearance transaction and requires that Shanwick be contacted by voice. Upon receipt of the clearance acknowledgement, Shanwick sends a message to the aircraft confirming the clearance. If this message is not received, Shanwick must be contacted by voice.

If the flight crew requests a new clearance or if Shanwick requires a change to an existing clearance, one or more reclearances may be received by the flight crew. These reclearances will be annotated "RECLEARANCE 1", "RECLEARANCE 2", etc., although may not necessarily be numbered consecutively.

Please note that if at any time the flight crew is in doubt regarding the oceanic clearance transaction, Shanwick must be contacted by voice using the phrase "(AIRCRAFT REGISTRATION) ORCA CONTACT". If any message from Shanwick is not terminated by the phrase "END OF MESSAGE", Shanwick must also be contacted by voice using the phrase "(AIRCRAFT REGISTRATION) ORCA CONTACT". If no clearance has been received by 15 minutes prior to entry into the Shanwick OCA, Shanwick and Air Traffic Control (ATC) for the airspace in which the aircraft is operating must be contacted by voice. All clearances and reclearances must be acknowledged.

## **Automatic Position Reports**

Enabling automatic position reports allows the Mark III to automatically send position reports to the GDC at 15, 30, or 60 minute intervals. These position reports serve two functions. First, in order for the GDC to send an uplink to an aircraft, the position of the aircraft must have been updated within the preceding 15 minutes. Any manual downlink from the Mark III, such as a flight plan request or message, includes the aircraft position, which allows the GDC to respond immediately with the appropriate uplink. If the position of the aircraft is updated only from irregular manual downlinks, however, periods may exist when the GDC cannot send an unsolicited uplink message, such as an eastbound oceanic clearance, because the last known position of the aircraft is no longer current.

The GDC therefore recommends enabling automatic position reports with a 15 minute interval in order to regularly provide the GDC with the current position of the aircraft. Automatic position reports may also be enabled with a 30 or 60 minute interval or be disabled completely in order to reduce datalink transmission costs, although the GDC would not be able to send an unsolicited uplink message to the aircraft during any period 15 minutes after the last downlink is received. If the GDC cannot send an unsolicited uplink message to an aircraft, the message is stored for up to seven days or until a downlink is received from the aircraft providing its current position, which then allows the stored message to be sent.

Second, automatic position reports, as well as reports for all other downlinks, are accessible through AFISCOM Express software in both text and graphic form. These flight following reports allow users to track aircraft progress and review previous flights from the ground. Please refer to the AFISCOM Express User's Guide for instructions regarding obtaining and displaying flight following reports.

Please also refer to the Reports procedure for detailed instructions to configure automatic position reports.

## **SEND and REQUEST Prompts**

After line selecting SEND or REQUEST from an AOC or ATS display respectively to send a message or request, the display is 'frozen' for later review from either the AOC LOG display or the ATS LOG display as appropriate. All sent AOC messages and requests are accessible from the AOC LOG display and all sent PDC and oceanic clearance requests are accessible from the ATS LOG display.

Additionally, the SEND or REQUEST prompt changes to SENDING and then to either SENT or NOT SENT as appropriate when line selected. The Mark III will attempt to send a message or request via all available transmission channels and modes for a period of five minutes before NOT SENT is displayed. If no transmission mode is currently available, NO COMM will display instead of SEND or REQUEST and will have no action if line selected.

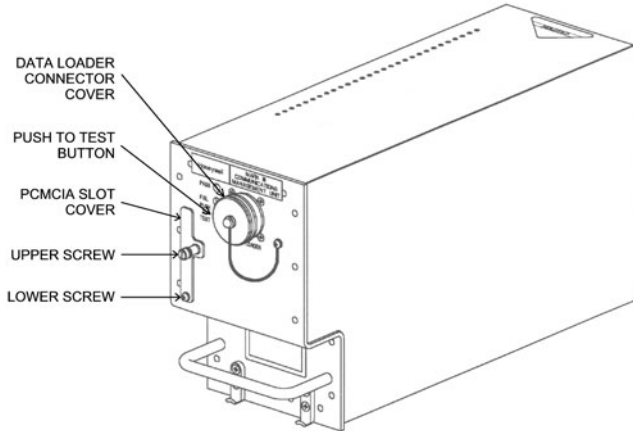
# Procedures

## 1 Load AMI

*Note – Loading the AMI database is generally considered a maintenance function.*

1.1 Apply power to the Mark III.

1.2 Unfasten the upper screw on the PCMCIA slot cover located on the left front side of the Mark III.



1.3 Rotate the slot cover around the lower screw to fully expose the PCMCIA slot.

1.4 Insert the PCMCIA flash memory card containing the AMI database into the PCMCIA slot.



1.5	Press the PUSH TO TEST button.
1.6	After five to ten seconds, the PASS (green) and FAIL (red) lights will begin flashing alternately indicating that the AMI is loading.
<i>Note – Certain CMU installations may require removal of the data loader connector cover in order to view the PASS and FAIL lights.</i>	
1.7	After an additional one to two minutes, the PASS and FAIL lights will light simultaneously indicating that the AMI has finished loading.
1.8	After an additional five to ten seconds, the FAIL light will extinguish and the PASS light will remain lit indicating that the AMI loaded successfully.
1.9	Remove the PCMCIA card from the PCMCIA slot.
1.10	After five to ten seconds, the PASS and FAIL lights will begin flashing alternately indicating that the CMU is restarting.
1.11	After an additional one to two minutes, both the PASS light and the FAIL light will extinguish indicating that the CMU restarted successfully.
1.12	Rotate the slot cover to cover the PCMCIA slot and refasten the upper screw.
1.13	<p>To verify the AMI loaded correctly, press the CDU NAV function key to access the NAV INDEX 1/2 display.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <p style="text-align: center;">NAV INDEX 1/2</p> <p>&lt;FPL LIST            FPL SEL&gt;</p> <p>&lt;WPT LIST            DATALINK&gt;</p> <p>&lt;DEPARTURE           ARRIVAL&gt;</p> <p>&lt;POS SENSORS           TUNE&gt;</p> </div>
1.14	<p>Line select DATALINK to access the DATALINK INDEX 1/1 display.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <p style="text-align: center;">DATALINK INDEX 1/1</p> <p>&lt;FLT PLAN            WINDS&gt;</p> <p>&lt;REPORTS              CMU&gt;</p> <p>&lt;ADDRESS</p> </div>



<p>1.15</p>	<p>Line select CMU or ACARS to access the MAIN MENU 1/2 display.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <pre> AOC      MAIN MENU  1/2 &lt;NEW MSGS      WX MENU&gt;  &lt;SEND MSG      ATS MENU&gt;  &lt;AOC LOG      MISC MENU&gt;                  SYS MENU&gt;                     </pre> </div>
<p>1.16</p>	<p>Line select SYS MENU to access the SYSTEM MENU.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <pre> CMU      SYSTEM MENU &lt;DATALINK MGR  NEW MSGS&gt;  &lt;TIME/DATE      ATS LOG&gt;  &lt;MAINTENANCE  &lt;MAIN MENU      ATS MENU&gt;                     </pre> </div>
<p>1.17</p>	<p>Line select MAINTENANCE to access the MAINT MENU 1/2 display.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <pre> CMU      MAINT MENU  1/2 &lt;PART NUMBERS  APM DATA&gt;  &lt;FAULT LOG  &lt;SYS MENU      PROGRAM APM&gt;                     </pre> </div>
<p>1.18</p>	<p>Line select PART NUMBERS to access the PART NUMBERS 1/2 display. Verify that the value in the AMI PART NO field is correct.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <pre> CMU      PART NUMBERS  1/2 S/W PART NO PS7028944-03000 HGI PART NO DB7030173-03000 AMI PART NO GDC-C3-CDU-0110 &lt;MAINTENANCE      PRINT*                     </pre> </div>

## 2 Configure APM and FMS

*Note – The CMU Mark III Aircraft Personality Module (APM) and Honeywell FMSs must be configured for GDC services.*

2.1 Press the NAV function key to access the NAV INDEX 1/2 display.

```

NAV INDEX 1/2
<FPL LIST      FPL SEL>

<WPT LIST      DATALINK>

<DEPARTURE     ARRIVAL>

<POS SENSORS   TUNE>
    
```

2.2 Line select DATALINK to access the DATALINK INDEX 1/1 display.

```

DATALINK INDEX 1/1
<FLT PLAN      WINDS>

<REPORTS       CMU>

<ADDRESS
    
```

2.3 Line select CMU to access the MAIN MENU 1/2 display.

```

AOC  MAIN MENU 1/2
<NEW MSGS     WX MENU>

<SEND MSG     ATS MENU>

<AOC LOG      MISC MENU>

                SYS MENU>
    
```

<p>2.4</p>	<p>Line select SYS MENU to access the SYSTEM MENU display.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <pre> CMU   SYSTEM MENU &lt;DATALINK MGR  NEW MSGS&gt;  &lt;TIME/DATE      ATS LOG&gt;  &lt;MAINTENANCE  &lt;MAIN MENU      ATS MENU&gt; </pre> </div>
<p>2.5</p>	<p>Line select MAINTENANCE to access the MAINT MENU 1/2 display. Enter GDCGDC as the password in the scratchpad.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <pre> CMU   MAINT MENU  1/2 &lt;PART NUMBERS  APM DATA&gt;  &lt;FAULT LOG  &lt;SYS MENU      PROGRAM APM&gt; GDCGDC </pre> </div>
<p>2.6</p>	<p>Line select PROGRAM APM with the GDCGDC password in the scratchpad to access the PROGRAM APM display. Line select MAINTENANCE to return to the MAINT MENU 1/2 display without saving configuration changes to the APM.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <pre> CMU   PROGRAM APM INDEX ---  AFTER ALL DATA ENTERED &lt;WRITE DATA TO APM &lt;MAINTENANCE </pre> </div>

2.7	<p>Enter 13 in the INDEX field to access the TAIL NUMBER field. Enter the full aircraft registration or permanent callsign <i>with no dashes</i> in the TAIL NUMBER field.</p> <div data-bbox="283 224 632 472" style="border: 1px solid black; border-radius: 15px; padding: 10px;"><pre>CMU    PROGRAM APM INDEX 13 TAIL NUMBER N12345 AFTER ALL DATA ENTERED &lt;WRITE DATA TO APM &lt;MAINTENANCE</pre></div>
2.8	<p>Enter 14 in the INDEX field to access the A/C TYPE field. Enter the four-character ICAO aircraft type designator in the A/C TYPE field.</p> <div data-bbox="283 609 632 857" style="border: 1px solid black; border-radius: 15px; padding: 10px;"><pre>CMU    PROGRAM APM INDEX 14 A/C TYPE E135 AFTER ALL DATA ENTERED &lt;WRITE DATA TO APM &lt;MAINTENANCE</pre></div>
<p><b>Note – Official ICAO aircraft type designators are available at <a href="http://www.icao.int/anb/ais/8643/index.cfm">http://www.icao.int/anb/ais/8643/index.cfm</a>.</b></p>	
2.9	<p>Enter 15 in the INDEX field to access the AIRLINE ID field. Enter GS in the AIRLINE ID field in order to select the GDC as the service provider.</p> <div data-bbox="283 1084 632 1333" style="border: 1px solid black; border-radius: 15px; padding: 10px;"><pre>CMU    PROGRAM APM INDEX 15 AIRLINE ID GS AFTER ALL DATA ENTERED &lt;WRITE DATA TO APM &lt;MAINTENANCE</pre></div>

<p>2.10</p>	<p>Enter 16 in the INDEX field to access the ATIS ENABLED field. Line select ATIS ENABLED to NO to allow use of the GDC AMI database for ATIS report functionality.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <pre> CMU   PROGRAM APM INDEX 16   ATIS ENABLED *NO   AFTER ALL DATA ENTERED &lt;WRITE DATA TO APM &lt;MAINTENANCE                     </pre> </div>
<p>2.11</p>	<p>Enter 17 in the INDEX field to access the PDC ENABLED field. Line select PDC ENABLED to YES to allow use of the Honeywell HGI database for PDC functionality.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <pre> CMU   PROGRAM APM INDEX 17   PDC ENABLED *YES   AFTER ALL DATA ENTERED &lt;WRITE DATA TO APM &lt;MAINTENANCE                     </pre> </div>
<p>2.12</p>	<p>Enter 18 in the INDEX field to access the FLT SYS MSGS ENABLED field. Line select FLT SYS MSGS ENABLED to YES to allow use of the Honeywell HGI database for air traffic services flight system message functionality.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <pre> CMU   PROGRAM APM INDEX 18   FLT SYS MSGS ENABLED *YES   AFTER ALL DATA ENTERED &lt;WRITE DATA TO APM &lt;MAINTENANCE                     </pre> </div>

2.13	<p>Enter 19 in the INDEX field to access the OCEANIC CLX ENABLED field. Line select OCEANIC CLX ENABLED to YES to allow use of the Honeywell HGI database for datalink oceanic clearance functionality.</p> <div data-bbox="283 253 632 505" style="border: 1px solid black; border-radius: 15px; padding: 10px;"><pre>CMU    PROGRAM APM INDEX 19 OCEANIC CLX ENABLED *YES   AFTER ALL DATA ENTERED &lt;WRITE DATA TO APM &lt;MAINTENANCE</pre></div>
2.14	<p>Enter 20 in the INDEX field to access the PUSHBACK CLX ENABLED field. Line select PUSHBACK CLX ENABLED to NO. As an airline function, pushback clearances do not apply to aircraft subscribing to GDC services.</p> <div data-bbox="283 669 632 920" style="border: 1px solid black; border-radius: 15px; padding: 10px;"><pre>CMU    PROGRAM APM INDEX 20 PUSHBACK CLX ENABLED *NO   AFTER ALL DATA ENTERED &lt;WRITE DATA TO APM &lt;MAINTENANCE</pre></div>
2.15	<p>Enter 21 in the INDEX field to access the TAXI CLX ENABLED field. Line select TAXI CLX ENABLED to NO. As an airline function, taxi clearances do not apply to aircraft subscribing to GDC services.</p> <div data-bbox="283 1084 632 1336" style="border: 1px solid black; border-radius: 15px; padding: 10px;"><pre>CMU    PROGRAM APM INDEX 21 TAXI CLX ENABLED *NO   AFTER ALL DATA ENTERED &lt;WRITE DATA TO APM &lt;MAINTENANCE</pre></div>

<p>2.16</p>	<p>Enter 22 in the INDEX field to access the TWIP ENABLED field. Line select TWIP ENABLED to NO to allow use of the GDC AML database for TWIP report functionality.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <pre> CMU   PROGRAM APM INDEX 22 TWIP ENABLED *NO AFTER ALL DATA ENTERED &lt;WRITE DATA TO APM &lt;MAINTENANCE                     </pre> </div>
<p>2.17</p>	<p>Enter 84 in the INDEX field to access the ICAO AIRLINE ID field. Enter GDC in the ICAO AIRLINE ID field. Line select WRITE DATA TO APM to save the current configuration to the APM and restart the CMU.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <pre> CMU   PROGRAM APM INDEX 84 ICAO AIRLINE ID GDC AFTER ALL DATA ENTERED &lt;WRITE DATA TO APM &lt;MAINTENANCE                     </pre> </div>
<p><i>Note – The CMU takes approximately one to two minutes to restart. During this time, the CDU will display ACARS DMU FAILED.</i></p>	
<p>2.18</p>	<p>When the CMU has restarted successfully, press the NAV function key to access the NAV INDEX 1/2 display.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <pre> NAV INDEX    1/2 &lt;FPL LIST    FPL SEL&gt;  &lt;WPT LIST    DATALINK&gt;  &lt;DEPARTURE   ARRIVAL&gt;  &lt;POS SENSORS TUNE&gt;                     </pre> </div>

<p>2.19</p>	<p>Line select DATALINK to access the DATALINK INDEX 1/1 display.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <p style="text-align: center;">DATALINK INDEX 1/1</p> <p>&lt;FLT PLAN            WINDS&gt;</p> <p>&lt;REPORTS            CMU&gt;</p> <p>&lt;ADDRESS</p> </div>
<p>2.20</p>	<p>Line select ADDRESS to access the ADDRESS CONFIG 1/1 display.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <p style="text-align: center;">ADDRESS CONFIG 1/1</p> <p>&lt;FLIGHT PLAN</p> <p>&lt;WINDS</p> <p>&lt;POS REPORT</p> <p>&lt;DATALINK</p> </div>
<p>2.21</p>	<p>Line select FLIGHT PLAN to access the FLIGHT PLAN ADDRESS 1/n display. Enter HDQGLXH in the COMPANY ADDRESS and GROUND ADDRESS fields. Line select ADDRESS to return to the ADDRESS CONFIG 1/1 display.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <p style="text-align: center;">FLIGHT PLAN ADDRESS 1/n</p> <p>COMPANY ADDRESS</p> <p>HDQGLXH</p> <p>GROUND ADDRESS</p> <p>HDQGLXH</p> <p>&lt;ADDRESS</p> </div>



<p>2.22</p>	<p>Line select WINDS to access the WINDS ADDRESS 1/n display. Enter HDQGLXH in the COMPANY ADDRESS and GROUND ADDRESS fields. Line select ADDRESS to return to the ADDRESS CONFIG 1/1 display.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <pre> WINDS ADDRESS 1/n COMPANY ADDRESS HDQGLXH GROUND ADDRESS HDQGLXH  &lt;ADDRESS                     </pre> </div>
<p>2.23</p>	<p>Line select POS REPORT to access the POS REPORT ADDRESS 1/n display. Enter HDQGLXH in the COMPANY ADDRESS and GROUND ADDRESS fields. Line select ADDRESS to return to the ADDRESS CONFIG 1/1 display.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <pre> POS REPORT ADDRESS 1/n COMPANY ADDRESS HDQGLXH GROUND ADDRESS HDQGLXH  &lt;ADDRESS                     </pre> </div>
<p><i>Note – To confirm correct configuration, verify that the STATUS 1/2 display shows the correct aircraft registration (or permanent callsign) in the AIRCRAFT field and GDC in the GSP (ground service provider) field. Please refer to the STATUS procedure for detailed instructions to access the STATUS 1/2 display.</i></p>	

### 3 Flight Plans

3.1	<p>Press the NAV function key to access the NAV INDEX 1/2 display.</p> <div data-bbox="283 232 633 480" style="border: 1px solid black; border-radius: 15px; padding: 10px; text-align: center;"><p>NAV INDEX 1/2 &lt;FPL LIST FPL SEL&gt;  &lt;WPT LIST DATALINK&gt;  &lt;DEPARTURE ARRIVAL&gt;  &lt;POS SENSORS TUNE&gt;</p></div>
3.2	<p>Line select DATALINK to access the DATALINK INDEX 1/1 display.</p> <div data-bbox="283 586 633 834" style="border: 1px solid black; border-radius: 15px; padding: 10px; text-align: center;"><p>DATALINK INDEX 1/1 &lt;FLT PLAN WINDS&gt;  &lt;REPORTS CMU&gt;  &lt;ADDRESS</p></div>
3.3	<p>Line select FLT PLAN to access the DATALINK FLT PLAN 1/1 display.</p> <div data-bbox="283 938 633 1187" style="border: 1px solid black; border-radius: 15px; padding: 10px; text-align: center;"><p>DATALINK FLT PLAN 1/1 FPL ID -----  &lt;DATALINK SEND REQST&gt;</p></div>

<p>3.4</p>	<p>Enter the GDC flight plan number (e.g., D1234) in the FPL ID field. Line select SEND REQST to send the flight plan request.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <p>DATALINK FLT PLAN 1/1  FPL ID  D1234</p> <p style="text-align: right;">&lt;DATALINK      SEND REQST&gt;</p> </div>
------------	--

*Note – If no datalink communication is available, LINK UNAVAIL will display instead of SEND REQST and will have no action if line selected.*

<p>3.5</p>	<p>When the flight plan is received, the FPL REVIEW prompt displays and FLT PLAN RECEIVED displays in the scratchpad.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <p>DATALINK FLT PLAN 1/1  FPL ID  D1234</p> <p style="text-align: right;">FPL REVIEW&gt;</p> <p style="text-align: right;">&lt;DATALINK      SEND REQST&gt;  FLT PLAN RECEIVED</p> </div>
------------	---

<p>3.6</p>	<p>Line select FPL REVIEW to access the DATALINK FPL REVIEW 1/n display. Press the NEXT and PREV function keys to move through the pages of the flight plan. Line select REJECT to clear the datalink flight plan and access the DATALINK FLT PLAN 1/1 display. Line select ACTIVATE to make the datalink flight plan the active flight plan and access the ACTIVE FLT PLAN 1/n display.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <p>DATALINK FPL REVIEW 1/7  ORIGIN              FPL ID  KTEB                      D1234  WAYPOINT  WHITE  AIRWAY  J209  &lt;REJECT              ACTIVATE&gt;</p> </div>
------------	--

## 4 Winds and Temperatures Aloft

<p>4.1</p>	<p>Press the NAV function key to access the NAV INDEX 1/2 display.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <pre style="text-align: center;"> NAV INDEX      1/2 &lt;FPL LIST      FPL SEL&gt;  &lt;WPT LIST      DATALINK&gt;  &lt;DEPARTURE     ARRIVAL&gt;  &lt;POS SENSORS   TUNE&gt;                     </pre> </div>
<p>4.2</p>	<p>Line select DATALINK to access the DATALINK INDEX 1/1 display.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <pre style="text-align: center;"> DATALINK INDEX 1/1 &lt;FLT PLAN      WINDS&gt;  &lt;REPORTS       CMU&gt;  &lt;ADDRESS                     </pre> </div>
<p>4.3</p>	<p>Line select WINDS to access the DATALINK WINDS 1/1 display. To include the active flight plan waypoints in the winds and temperatures aloft forecast request, leave INCLUDE FPL WPTS at the default value of YES and line select SEND REQST. To not include the active flight plan waypoints in the request, line select NO to change the value of INCLUDE FPL WPTS to NO.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <pre style="text-align: center;"> DATALINK WINDS 1/1 INCLUDE FPL WPTS YES              OR  NO&gt;  ---  &lt;DATALINK      SEND REQST&gt;                     </pre> </div>
<p><i>Note – If no datalink communication is available, LINK UNAVAIL will display instead of SEND REQST and will have no action if line selected.</i></p>	

<p>4.4</p>	<p>To request winds and temperatures aloft for waypoints not on the active flight plan, enter the waypoints in the --- fields and line select SEND REQST.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <pre>           DATALINK WINDS 1/1         INCLUDE FPL WPTS         YES                OR  NO&gt;          YQY                5140N          CYQX                ---         &lt;DATALINK      SEND REQST&gt;           </pre> </div>
------------	---

*Note – Valid locations for winds and temperatures aloft forecasts are nav aids, airports, and charted waypoints.*

*Note – Winds and temperatures aloft forecasts may be requested for a maximum of 50 flight plan waypoints and 52 manually entered waypoints.*

*Note – The SEND REQST prompt is only available if an active flight plan exists and the INCLUDE FPL WPTS value is YES or if at least one waypoint not on the active flight plan has been entered.*

*Note – Waypoints for which winds and temperatures aloft forecasts has not yet been received display in inverse video.*

<p>4.5</p>	<p>When the winds and temperatures aloft forecast is received, the INCLUDE FPL WPTS prompt changes to FPL WPTS, NEW WINDS AVAIL displays in the scratchpad, and the waypoints for which forecasts have been received display in normal video with a caret (&lt; or &gt;) symbol. If the winds and temperatures aloft forecast for the active flight plan waypoints was included in the request, line select ACCEPT to load the forecast into the FMS wind model. Line select REJECT to leave the FMS wind model unchanged.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <pre>           DATALINK WINDS 1/1          &lt;FPL WPTS          &lt;YQY                5140N&gt;          &lt;CYQX         &lt;REJECT          ACCEPT&gt;         NEW WINDS AVAIL           </pre> </div>
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*Note – Requesting and accepting a winds and temperatures aloft forecast for the active flight plan waypoints fulfills the same function as updating an active AFIS® flight plan.*

4.6 Line select FPL WPTS or a waypoint for which a winds and temperatures aloft forecast has been received to display the forecast for that waypoint on the WINDS ALOFT 1/2 display. Line select DLK WINDS to return to the DATALINK WINDS 1/1 display.

```

WINDS ALOFT 1/2
YQY
ALT      WIND      TEMP
05000   290/ 3    +6°C
10000   260/ 13   -3°C
FL180   240/ 37  -18°C
FL240   230/ 42  -30°C
<DATALINK      DLK WINDS>
    
```

4.7 Press the NEXT function key to access the WINDS ALOFT 2/2 display. Line select DLK WINDS to return to the DATALINK WINDS 1/1 display.

```

WINDS ALOFT 2/2
YQY
ALT      WIND      TEMP
FL300   230/ 43  -45°C
FL340   240/ 41  -53°C
FL390   240/ 40  -54°C
FL450   240/ 40  -54°C
<DATALINK      DLK WINDS>
    
```

## 5 New Messages

*Note – MSG RCVD displays in the CDU scratchpad when a new message is received.*

5.1 Press the NAV function key to access the NAV INDEX 1/2 display.

```

NAV INDEX 1/2
<FPL LIST      FPL SEL>

<WPT LIST      DATALINK>

<DEPARTURE     ARRIVAL>

<POS SENSORS   TUNE>
MSG RCVD
    
```

5.2 Line select DATALINK to access the DATALINK INDEX 1/1 display.

```

DATALINK INDEX 1/1
<FLT PLAN      WINDS>

<REPORTS       CMU>

<ADDRESS
    
```

5.3 Line select CMU to access the MAIN MENU 1/2 display.

```

AOC  MAIN MENU 1/2
<NEW MSGS     WX MENU>

<SEND MSG     ATS MENU>

<AOC LOG      MISC MENU>

                SYS MENU>
    
```

<p>5.4</p>	<p>Line select NEW MSGS. If multiple new messages are available, the NEW MESSAGES 1/n display is accessed. The NEW MESSAGES 1/n display contains all received AOC and ATS messages not yet viewed with a ↑ (uplink) symbol and a NEW label. To view a new message, press the corresponding right line select key. To delete a single message, press the DEL function key to display the DELETE message in the scratchpad and then press the corresponding left line select key. Line select DELETE LOG and then CONFIRM to delete all new messages. Press the NEXT and PREV function keys to move through the NEW MESSAGES pages.</p> <div data-bbox="285 500 632 748" style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <pre> CMU  NEW MESSAGES  1/2 1701Z                NEW ↑ KTEB ATIS          . . . &gt; 1654Z                NEW ↑ MSG                . . . &gt; 1646Z                NEW ↑ KATL FLOW          . . . &gt; &lt;RETURN             DELETE LOG&gt;                     </pre> </div>
<p>5.5</p>	<p>If a single new message is available, the message display is accessed directly. Line select PRINT to print the message. Press the NEXT and PREV function keys to move through the message pages.</p> <div data-bbox="285 919 632 1167" style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <pre> AOC  KATL FLOW      1/6 ATCSCC ADVZY 037 ATL/ZTL 4/8/2003 CDM GROUND DELAY PROGRAM AIRPORT: ATL PROGRAM TYPE: RBS PP ARRIVALS ESTIMATED FOR: &lt;RETURN             PRINT&gt;                     </pre> </div>
<p><i>Note – After a new AOC message is viewed, it is accessible from the AOC LOG display.</i></p>	



## 6 Send Message

6.1	<p>Press the NAV function key to access the NAV INDEX 1/2 display.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; width: fit-content; margin: 10px auto;"> <p style="text-align: center;">NAV INDEX 1/2</p> <p>&lt;FPL LIST            FPL SEL&gt;</p> <p>&lt;WPT LIST            DATALINK&gt;</p> <p>&lt;DEPARTURE           ARRIVAL&gt;</p> <p>&lt;POS SENSORS           TUNE&gt;</p> </div>
6.2	<p>Line select DATALINK to access the DATALINK INDEX 1/1 display.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; width: fit-content; margin: 10px auto;"> <p style="text-align: center;">DATALINK INDEX 1/1</p> <p>&lt;FLT PLAN            WINDS&gt;</p> <p>&lt;REPORTS            CMU&gt;</p> <p>&lt;ADDRESS</p> </div>
6.3	<p>Line select CMU to access the MAIN MENU 1/2 display.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; width: fit-content; margin: 10px auto;"> <p style="text-align: center;">AOC      MAIN MENU 1/2</p> <p>&lt;NEW MSGS            WX MENU&gt;</p> <p>&lt;SEND MSG            ATS MENU&gt;</p> <p>&lt;AOC LOG            MISC MENU&gt;</p> <p style="text-align: right;">SYS MENU&gt;</p> </div>

6.4 Line select SEND MSG to access the SEND MESSAGE 1/3 display. Enter the appropriate information in the FROM, TO, and ADDRESS fields. Line select SEND to send the message. After line selecting SEND, the display is 'frozen' for later review from the AOC LOG display. Press the NEXT function key to access the SEND MESSAGE 2/3 display.

```

AOC  SEND MESSAGE  1/3
FROM
CREW
TO
OPS
ADDRESS
425-885-8100
<RETURN          SEND>
    
```

*Note – The Honeywell CD-810 does not have a space key. Use the / (forward slash) key instead to enter a space when entering the message in the scratchpad. For example, enter 425/885/8100 in the scratchpad to display 425 885 8100 in the address field.*

*Note – The SEND prompt will not be available until at least one character is entered in the address field.*

*Note – Messages may be sent to several different types of recipient addresses, as indicated below. For example, to address an automated message to a fax number, enter the fax number with the "F" prefix, but with no dashes or spaces, in the address field of the message. To address an automated message to an e-mail address, please contact the GDC to set up a code that is entered in the address field of the message and then automatically converted to the desired e-mail address(es) at the GDC.*

- |              |                                      |
|--------------|--------------------------------------|
| N12345       | aircraft subscribing to GDC services |
| 425-885-8788 | telephone number                     |
| F4258858930  | facsimile number ("F" prefix)        |
| A4258858947  | PC with AFISCOM ("A" prefix)         |
| AHDQGLXH     | ARINC or SITA address ("A" prefix)   |
| NKSNA XGSX   | AFTN address ("N" prefix)            |
| GDC          | Global Data Center                   |
| JEPP         | Jeppesen                             |
| ARI          | Air Routing International            |
| BASEOPS      | Base Ops International               |
| UVAIR        | Universal Weather & Aviation         |

<p>6.5</p>	<p>Enter the message text in the available lines. Line select SEND to send the message. After line selecting SEND, the display is 'frozen' for later review from the AOC LOG display. Press the NEXT function key to access the SEND MESSAGE 3/3 display.</p> <div data-bbox="330 285 682 532" style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <pre> AOC  SEND MESSAGE  2/3 TEXT NEW ETA 1845Z  PLEASE UPDATE  CUSTOMS AND LIMO &lt;RETURN                SEND&gt;                     </pre> </div>
<p>6.6</p>	<p>Enter the message text in the available lines. Line select SEND to send the message. After line selecting SEND, the display is 'frozen' for later review from the AOC LOG display.</p> <div data-bbox="330 699 682 946" style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <pre> AOC  SEND MESSAGE  3/3  THANKS  *****  &lt;RETURN                1342Z SENT                     </pre> </div>

## 7 AOC Log

<p>7.1</p>	<p>Press the NAV function key to access the NAV INDEX 1/2 display.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <p style="text-align: center;">NAV INDEX 1/2</p> <p>&lt;FPL LIST            FPL SEL&gt;</p> <p>&lt;WPT LIST            DATALINK&gt;</p> <p>&lt;DEPARTURE           ARRIVAL&gt;</p> <p>&lt;POS SENSORS           TUNE&gt;</p> </div>
<p>7.2</p>	<p>Line select DATALINK to access the DATALINK INDEX 1/1 display.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <p style="text-align: center;">DATALINK INDEX 1/1</p> <p>&lt;FLT PLAN            WINDS&gt;</p> <p>&lt;REPORTS            CMU&gt;</p> <p>&lt;ADDRESS</p> </div>
<p>7.3</p>	<p>Line select CMU to access the MAIN MENU 1/2 display.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <p style="text-align: center;">AOC    MAIN MENU 1/2</p> <p>&lt;NEW MSGS            WX MENU&gt;</p> <p>&lt;SEND MSG            ATS MENU&gt;</p> <p>&lt;AOC LOG            MISC MENU&gt;</p> <p style="text-align: right;">SYS MENU&gt;</p> </div>

<p>7.4</p>	<p>Line select AOC LOG to access the AOC LOG 1/n display. The AOC LOG display contains all sent AOC requests and messages with a ↓(downlink) symbol and a SENT label and all received AOC messages previously viewed with a ↑ (uplink) symbol and a DISPLAYED label. To view a request or message, press the corresponding right line select key. To delete a single request or message, press the DEL function key to display the DELETE message in the scratchpad and then press the corresponding left line select key. Line select DELETE LOG and then CONFIRM to delete all requests and messages. Press the NEXT and PREV function keys to move through the AOC LOG pages.</p> <div data-bbox="329 495 680 747" style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <pre> AOC      AOC LOG   1/n 1701Z           DISPLAYED ↑ KTEB ATIS     . . . &gt; 1659Z           SENT ↓ ATIS          . . . &gt; 1654Z           DISPLAYED ↑ MSG           . . . &gt; &lt;RETURN        DELETE LOG&gt; </pre> </div>
<p>7.5</p>	<p>With a request or message displayed, line select PRINT to print the request or message. Press the NEXT and PREV function keys to move through the pages of the request or message.</p> <div data-bbox="329 917 680 1161" style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <pre> AOC  KATL FLOW   1/6 ATCSCC ADVZY 037 ATL/ZTL 4/8/2003 CDM GROUND DELAY PROGRAM AIRPORT: ATL PROGRAM TYPE: RBS PP ARRIVALS ESTIMATED FOR: &lt;RETURN          PRINT&gt; </pre> </div>

## 8 Terminal Weather

<p>8.1</p>	<p>Press the NAV function key to access the NAV INDEX 1/2 display.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <pre style="margin: 0;"> NAV INDEX      1/2 &lt;FPL LIST      FPL SEL&gt;  &lt;WPT LIST      DATALINK&gt;  &lt;DEPARTURE     ARRIVAL&gt;  &lt;POS SENSORS   TUNE&gt;                     </pre> </div>
<p>8.2</p>	<p>Line select DATALINK to access the DATALINK INDEX 1/1 display.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <pre style="margin: 0;"> DATALINK INDEX 1/1 &lt;FLT PLAN      WINDS&gt;  &lt;REPORTS       CMU&gt;  &lt;ADDRESS                     </pre> </div>
<p>8.3</p>	<p>Line select CMU to access the MAIN MENU 1/2 display.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <pre style="margin: 0;"> AOC    MAIN MENU  1/2 &lt;NEW MSGS      WX MENU&gt;  &lt;SEND MSG      ATS MENU&gt;  &lt;AOC LOG       MISC MENU&gt;                  SYS MENU&gt;                     </pre> </div>
<p>8.4</p>	<p>Line select WX MENU to access the WEATHER MENU display.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <pre style="margin: 0;"> AOC    WEATHER MENU &lt;TERM WX      METRO WX&gt;  &lt;SIGMETS      STATE WX&gt;  &lt;RETURN                     </pre> </div>

8.5 Line select TERM WX to access the TERMINAL WX display. Enter up to six ICAO airport identifiers in the APT fields and then line select SEND to send the request. The first two APT fields default to the FMS departure and arrival airports and may be overwritten.

```

AOC   TERMINAL WX
  APT           APT
  KBFI          KTEB
  APT           APT
  KBUR          KEWR
  APT           APT
  KLAX          ----
<RETURN      SEND>
    
```

8.6 When SEND is line selected, the display is 'frozen' for later review from the MESSAGES LOG display. When the requested terminal weather is received, TERM WX RCVD displays in the scratchpad.

```

AOC   TERMINAL WX
  APT           APT
  KBFI          KTEB
  APT           APT
  KBUR          KEWR
  APT           APT
  KLAX          ****
<RETURN      2134Z SENT
  TERM WX RCVD
    
```

*Note – Terminal weather reports and forecasts are uplinked as an AOC message and may be viewed as a new message on the NEW MESSAGES display. Please refer to the NEW MESSAGES procedure for detailed instructions to view new messages.*

## 9 SIGMETs

<p>9.1</p>	<p>Press the NAV function key to access the NAV INDEX 1/2 display.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <p style="text-align: center;">NAV INDEX 1/2</p> <p>&lt;FPL LIST            FPL SEL&gt;</p> <p>&lt;WPT LIST            DATALINK&gt;</p> <p>&lt;DEPARTURE           ARRIVAL&gt;</p> <p>&lt;POS SENSORS           TUNE&gt;</p> </div>
<p>9.2</p>	<p>Line select DATALINK to access the DATALINK INDEX 1/1 display.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <p style="text-align: center;">DATALINK INDEX 1/1</p> <p>&lt;FLT PLAN            WINDS&gt;</p> <p>&lt;REPORTS            CMU&gt;</p> <p>&lt;ADDRESS</p> </div>
<p>9.3</p>	<p>Line select CMU to access the MAIN MENU 1/2 display.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <p style="text-align: center;">AOC    MAIN MENU 1/2</p> <p>&lt;NEW MSGS            WX MENU&gt;</p> <p>&lt;SEND MSG            ATS MENU&gt;</p> <p>&lt;AOC LOG            MISC MENU&gt;</p> <p style="text-align: right;">SYS MENU&gt;</p> </div>
<p>9.4</p>	<p>Line select WX MENU to access the WEATHER MENU display.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <p style="text-align: center;">AOC    WEATHER MENU</p> <p>&lt;TERM WX            METRO WX&gt;</p> <p>&lt;SIGMETs            STATE WX&gt;</p> <p>&lt;RETURN</p> </div>



<p>9.5</p>	<p>Line select SIGMETS to access the SIGMETS display. Enter the ICAO airport identifier of the departure airport in the FROM APT field and the ICAO airport identifier of the arrival airport in the TO APT field, then line select SEND to send the request. The FROM APT and TO APT fields default to the FMS departure and arrival airports respectively and may be overwritten.</p> <div data-bbox="329 341 680 592" style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <pre> AOC      SIGMETS FROM APT      TO APT KPHX                KMSP  &lt;RETURN      SEND&gt; </pre> </div>
<p>9.6</p>	<p>When SEND is line selected, the display is 'frozen' for later review from the AOC LOG display. When the requested SIGMETs are received, SIGMETS RCVD displays in the scratchpad.</p> <div data-bbox="329 755 680 1006" style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <pre> AOC      SIGMETS FROM APT      TO APT KPHX                KMSP  &lt;RETURN      0155Z SENT SIGMETS RCVD </pre> </div>
<p><i>Note – SIGMETs are uplinked as an AOC message and may be viewed as a new message on the NEW MESSAGES display. Please refer to the NEW MESSAGES procedure for detailed instructions to view new messages.</i></p>	

## 10 Metro Weather

<p>10.1</p>	<p>Press the NAV function key to access the NAV INDEX 1/2 display.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <p style="text-align: center;">NAV INDEX 1/2</p> <p>&lt;FPL LIST            FPL SEL&gt;</p> <p>&lt;WPT LIST            DATALINK&gt;</p> <p>&lt;DEPARTURE           ARRIVAL&gt;</p> <p>&lt;POS SENSORS           TUNE&gt;</p> </div>
<p>10.2</p>	<p>Line select DATALINK to access the DATALINK INDEX 1/1 display.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <p style="text-align: center;">DATALINK INDEX 1/1</p> <p>&lt;FLT PLAN            WINDS&gt;</p> <p>&lt;REPORTS            CMU&gt;</p> <p>&lt;ADDRESS</p> </div>
<p>10.3</p>	<p>Line select CMU to access the MAIN MENU 1/2 display.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <p style="text-align: center;">AOC    MAIN MENU 1/2</p> <p>&lt;NEW MSGS            WX MENU&gt;</p> <p>&lt;SEND MSG            ATS MENU&gt;</p> <p>&lt;AOC LOG            MISC MENU&gt;</p> <p style="text-align: right;">SYS MENU&gt;</p> </div>
<p>10.4</p>	<p>Line select WX MENU to access the WEATHER MENU display.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <p style="text-align: center;">AOC    WEATHER MENU</p> <p>&lt;TERM WX            METRO WX&gt;</p> <p>&lt;SIGMETS            STATE WX&gt;</p> <p>&lt;RETURN</p> </div>

<p>10.5</p>	<p>Line select METRO WX to access the METRO WX display. Enter up to three ICAO airport identifiers in the APT fields and then line select SEND to send the request. The first two APT fields default to the FMS departure and arrival airports and may be overwritten.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <pre> AOC      METRO WX  APT KBED  APT KMDW  APT ---- &lt;RETURN          SEND&gt;                     </pre> </div>
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<p>10.6</p>	<p>When SEND is line selected, the display is 'frozen' for later review from the MESSAGES LOG display. When the requested metro weather is received, METRO WX RCVD displays in the scratchpad.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <pre> AOC      METRO WX  APT KBED  APT KMDW  APT **** &lt;RETURN          1607Z SENT METRO WX RCVD                     </pre> </div>
-------------	---

*Note – Metro weather is uplinked as an AOC message and may be viewed as a new message on the NEW MESSAGES display. Please refer to the NEW MESSAGES procedure for detailed instructions to view new messages.*

## 11 State Weather

<p>11.1</p>	<p>Press the NAV function key to access the NAV INDEX 1/2 display.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <pre style="margin: 0;"> NAV INDEX      1/2 &lt;FPL LIST      FPL SEL&gt;  &lt;WPT LIST      DATALINK&gt;  &lt;DEPARTURE     ARRIVAL&gt;  &lt;POS SENSORS   TUNE&gt;                     </pre> </div>
<p>11.2</p>	<p>Line select DATALINK to access the DATALINK INDEX 1/1 display.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <pre style="margin: 0;"> DATALINK INDEX 1/1 &lt;FLT PLAN      WINDS&gt;  &lt;REPORTS       CMU&gt;  &lt;ADDRESS                     </pre> </div>
<p>11.3</p>	<p>Line select CMU to access the MAIN MENU 1/2 display.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <pre style="margin: 0;"> AOC    MAIN MENU  1/2 &lt;NEW MSGS      WX MENU&gt;  &lt;SEND MSG      ATS MENU&gt;  &lt;AOC LOG       MISC MENU&gt;                  SYS MENU&gt;                     </pre> </div>
<p>11.4</p>	<p>Line select WX MENU to access the WEATHER MENU display.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <pre style="margin: 0;"> AOC    WEATHER MENU &lt;TERM WX      METRO WX&gt;  &lt;SIGMETS      STATE WX&gt;  &lt;RETURN                     </pre> </div>

<p>11.5</p>	<p>Line select STATE WX to access the STATE WX display. Enter up to three standard two-letter state abbreviations in the STATE fields and then line select SEND to send the request.</p> <div data-bbox="327 251 682 505" style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <pre> AOC      STATE WX  STATE OH   STATE   --  &lt;RETURN          SEND&gt; </pre> </div>
-------------	---

<p>11.6</p>	<p>When SEND is line selected, the display is 'frozen' for later review from the AOC LOG display. When the requested state weather is received, STATE WX RCVD displays in the scratchpad.</p> <div data-bbox="327 667 682 920" style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <pre> AOC      STATE WX  STATE OH   STATE   **  &lt;RETURN          1701Z SENT STATE WX RCVD </pre> </div>
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*Note – State weather is uplinked as an AOC message and may be viewed as a new message on the NEW MESSAGES display. Please refer to the NEW MESSAGES procedure for detailed instructions to view new messages.*

## 12 PDCs

<p>12.1</p>	<p>Press the NAV function key to access the NAV INDEX 1/2 display.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; width: fit-content; margin: 10px auto;"> <p style="text-align: center;">NAV INDEX 1/2</p> <p>&lt;FPL LIST            FPL SEL&gt;</p> <p>&lt;WPT LIST            DATALINK&gt;</p> <p>&lt;DEPARTURE           ARRIVAL&gt;</p> <p>&lt;POS SENSORS           TUNE&gt;</p> </div>
<p>12.2</p>	<p>Line select DATALINK to access the DATALINK INDEX 1/1 display.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; width: fit-content; margin: 10px auto;"> <p style="text-align: center;">DATALINK INDEX 1/1</p> <p>&lt;FLT PLAN            WINDS&gt;</p> <p>&lt;REPORTS            CMU&gt;</p> <p>&lt;ADDRESS</p> </div>
<p>12.3</p>	<p>Line select CMU to access the MAIN MENU 1/2 display.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; width: fit-content; margin: 10px auto;"> <p style="text-align: center;">AOC    MAIN MENU 1/2</p> <p>&lt;NEW MSGS            WX MENU&gt;</p> <p>&lt;SEND MSG            ATS MENU&gt;</p> <p>&lt;AOC LOG            MISC MENU&gt;</p> <p style="text-align: right;">SYS MENU&gt;</p> </div>
<p>12.4</p>	<p>Line select ATS MENU to access the ATS MENU display.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; width: fit-content; margin: 10px auto;"> <p style="text-align: center;">CMU    ATS MENU 1/2</p> <p>&lt;DCL REQ            NEW MSGS&gt;</p> <p>&lt;OCEANIC REQ        ATS LOG&gt;</p> <p>&lt;MAIN MENU            SYS MENU&gt;</p> </div>

12.5	<p>Line select DCL REQ to access the DCL REQUEST display. Enter the four-character ICAO airport identifier of the departure airport in the ATC FACILITY and DEPT fields. Enter the four-character ICAO airport identifier of the arrival airport in the DEST field. The GATE field is designed for airline use and is not required by the GDC, but at least one character must be entered in the field in order to send the request. Line select REQUEST to send the request.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <pre> CMU   DCL REQUEST   1/2   FLT ID              DEPT GDC/0000             KBDL   ATIS                GATE ↓DEPARTURE              Z   ATC FACILITY        DEST KBDL                  KFL &lt;RETURN              REQUEST*</pre> </div>
------	--

*Note – The DCL REQUEST 2/2 display contains remarks fields not necessary for requesting PDCs.*

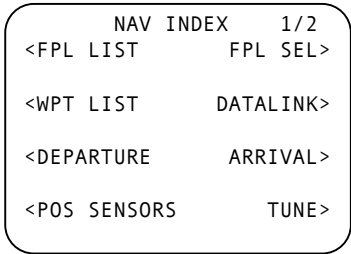
12.6	<p>When REQUEST is line selected, the display is ‘frozen’ for later review from the ATS LOG display. When the requested clearance is received, MSG RCVD displays in the scratchpad.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <pre> CMU   DCL REQUEST   1/2   FLT ID              DEPT GDC/0000             KBDL   ATIS                GATE DEPARTURE              Z   ATC FACILITY        DEST KBDL                  KFL &lt;RETURN              1321Z SENT MSG RCVD</pre> </div>
------	--

*Note – A PDC is uplinked as an AOC message and may be viewed as a new message on the NEW MESSAGES display. Please refer to the NEW MESSAGES procedure for detailed instructions to view new messages.*

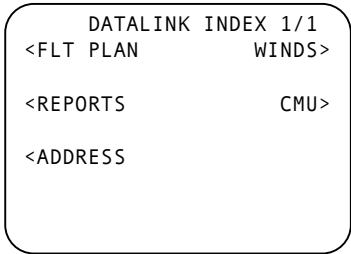
### 13 Oceanic Clearances - Eastbound

*Note – With automatic position reports enabled, the GDC automatically uplinks the clearance to the aircraft as soon as it is received from Gander ACC. If automatic position reports are disabled, begin requesting the clearance approaching 70° West longitude, but if the clearance is not received by 10 minutes prior to entry into oceanic airspace, contact Gander ACC on the appropriate voice frequency.*

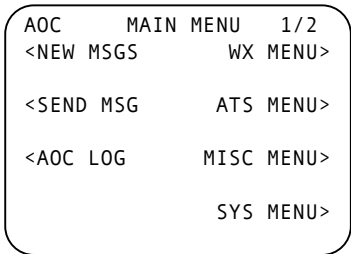
13.1 Press the NAV function key to access the NAV INDEX 1/2 display.



13.2 Line select DATALINK to access the DATALINK INDEX 1/1 display.



13.3 Line select CMU to access the MAIN MENU 1/2 display.





13.4 Line select ATS MENU to access the ATS MENU display.

```

CMU    ATS MENU    1/2
<DCL REQ      NEW MSGS>

<OCEANIC REQ  ATS LOG>

<MAIN MENU    SYS MENU>
    
```

13.5 Line select OCEANIC REQ to access the OCEANIC REQ display. Enter the entry waypoint into oceanic airspace in the ENTRY FIX field, the requested Mach speed (with the decimal point) in the MACH field, the ATC facility identifier (CZQX for Gander ACC) in the ATC FACILITY field, the requested entry time in the REQ TIME field, and the requested flight level in the ALTITUDE field. Line select REQUEST to send the request.

```

CMU    OCEANIC REQ  1/2
ENTRY FIX    REQ TIME
VIXUN              15:41
MACH            ALTITUDE
.780            FL370
ATC FACILITY    FLT ID
CZQX            GDC/0000
<RETURN        REQUEST*
    
```

*Note – The OCEANIC REQ 2/2 display contains remarks fields not necessary for requesting eastbound oceanic clearances.*

13.6 When REQUEST is line selected, the display is ‘frozen’ for later review from the ATS LOG display. When the requested clearance is received, MSG RCVD displays in the scratchpad.

```

CMU    OCEANIC REQ  1/2
ENTRY FIX    REQ TIME
VIXUN              15:41
MACH            ALTITUDE
.780            FL370
ATC FACILITY    FLT ID
CZQX            GDC/0000
<RETURN        1519Z SENT
MSG RCVD
    
```

## 14 Oceanic Clearances - Westbound

*Note – Request the clearance between 30 and 90 minutes prior to entry into the Shanwick OCA.*

*Note – If at any time the flight crew is in doubt regarding the oceanic clearance transaction, Shanwick must be contacted by voice using the phrase "(AIRCRAFT REGISTRATION) ORCA CONTACT".*

*Note – If any message from Shanwick is not terminated by the phrase "END OF MESSAGE", Shanwick must also be contacted by voice using the phrase "(AIRCRAFT REGISTRATION) ORCA CONTACT".*

*Note – If no clearance has been received by 15 minutes prior to entry into the Shanwick OCA, Shanwick and Air Traffic Control (ATC) for the airspace in which the aircraft is operating must be contacted by voice.*

*Note – All clearances and reclearances must be acknowledged.*

14.1 Press the NAV function key to access the NAV INDEX 1/2 display.

NAV INDEX 1/2	
<FPL LIST	FPL SEL>
<WPT LIST	DATALINK>
<DEPARTURE	ARRIVAL>
<POS SENSORS	TUNE>

14.2 Line select DATALINK to access the DATALINK INDEX 1/1 display.

DATALINK INDEX 1/1	
<FLT PLAN	WINDS>
<REPORTS	CMU>
<ADDRESS	

<p>14.3</p>	<p>Line select CMU to access the MAIN MENU 1/2 display.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <pre> AOC      MAIN MENU  1/2 &lt;NEW MSGS      WX MENU&gt;  &lt;SEND MSG      ATS MENU&gt;  &lt;AOC LOG      MISC MENU&gt;                  SYS MENU&gt;                     </pre> </div>
<p>14.4</p>	<p>Line select ATS MENU to access the ATS MENU display.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <pre> CMU      ATS MENU  1/2 &lt;DCL REQ      NEW MSGS&gt;  &lt;OCEANIC REQ  ATS LOG&gt;  &lt;MAIN MENU    SYS MENU&gt;                     </pre> </div>
<p>14.5</p>	<p>Line select OCEANIC REQ to access the OCEANIC REQ 1/2 display. Enter the entry waypoint into oceanic airspace in the ENTRY FIX field, the requested Mach speed (with the decimal point) in the MACH field, the ATC facility identifier (EGGX for Shanwick OACC) in the ATC FACILITY field, the requested entry time in the REQ TIME field, and the requested flight level in the ALTITUDE field. Line select REQUEST to send the request or press the CDU NEXT function key to access the OCEANIC REQ 2/2 display in order to add any desired remarks to the request.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <pre> CMU      OCEANIC REQ  1/2 ENTRY FIX      REQ TIME MALOT                11:19 MACH              ALTITUDE .780              FL390 ATC FACILITY      FLT ID EGGX              GDC/0000 &lt;RETURN          REQUEST*                     </pre> </div>

*Note – Valid Shanwick OCA entry points are (north to south): ATSIX, BALIX, ERAKA, GOMUP, MIMKU, NIBOG, MASIT, KORIB, DOGAL, MALOT, LIMRI, DINIM, SOMAX, BEDRA, OMOKO, LASNO, ETIKI, SEPAL, SIVIR, BEGAS, DIXIS, BERUX, PITAX, and PASAS.*

<p>14.6</p>	<p>Enter any desired remarks to the request and then line select REQUEST to send the request.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: 80%;"> <pre> CMU   OCEANIC REQ  2/2 REMARKS MAX F430  -----  &lt;RETURN           REQUEST*</pre> </div>
<p><i>Note – Valid remarks include the preferred alternative route (e.g., 2ND NAT C), preferred alternative altitude (e.g., 2ND F430), maximum acceptable flight level at the entry point (e.g., MAX F430), or requested entry point different than contained in the filed flight plan (e.g., NEW ENTRY POINT).</i></p>	
<p>14.7</p>	<p>When REQUEST is line selected, the display is ‘frozen’ for later review from the ATS LOG display.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: 80%;"> <pre> CMU   OCEANIC REQ  1/2 ENTRY FIX      REQ TIME MALOT                11:19 MACH              ALTITUDE .780              FL390 ATC FACILITY      FLT ID EGGX              GDC/0000 &lt;RETURN          1036Z SENT OCEANIC CLEARANCE UPLINK</pre> </div>
<p>14.7</p>	<p>Shanwick normally responds to the clearance request with a message indicating that the clearance should be received within the next 15 minutes.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: 80%;"> <pre> CMU   ATC STAT MSG FSM 1020 030923 EGGX N12345 RCL RECEIVED IF NO CLEARANCE WITHIN 15 MINUTES - REVERT TO VOICE PROCEDURES END OF MESSAGE &lt;RETURN           PRINT*</pre> </div>

*Note – Other possible responses from Shanwick to the clearance request include the following:*

*Negotiate clearance response: "CONTACT SHANWICK BY VOICE". Shanwick must be contacted by voice using the phrase "(AIRCRAFT REGISTRATION) ORCA CONTACT".*

*Pending clearance request response: "CLEARANCE ALREADY BEING PROCESSED – AWAIT TRANSACTION COMPLETION".*

*Error in clearance request response: "ERROR IN MESSAGE – REVERT TO VOICE PROCEDURES".*

*Flight plan not on file response: "FLIGHT PLAN NOT HELD – REVERT TO VOICE PROCEDURES".*

*No response: If no response is received within 5 minutes, one additional oceanic clearance request may be sent. If no response to the second request is received, Shanwick must be contacted by voice.*

14.8 Shanwick then sends the clearance to the aircraft, which contains the aircraft registration, entry point, ETA at the entry point, Mach number, flight level, route, and destination. Promptly acknowledge the clearance via datalink by line selecting ACKNOWLEDGE.

```

CMU  EGGX CLRNC  1/2
CLX 1021 090323 EGGX
CLRNC 136
N12345 CLRD TO KHPN VIA
MALOT RANDOM ROUTE
54N020W 55N030W
                                ACKNOWLEDGE*
<RETURN                        PRINT*
    
```

*Note – Failure to promptly acknowledge the clearance results in cancellation of the clearance transaction and requires that Shanwick be contacted by voice.*

*Note – The flight crew must check that the aircraft registration in the clearance is correct.*

*Note – Random route clearances contain the full route coordinates and NAT Track route clearances contain the track identifier (e.g., ALPHA, BRAVO, etc.). Flight crews must check that the NAT Track route coordinates in the clearance match the coordinates in the current published NAT Track Message.*

*Note – The clearance may contain additional information prefixed with the text "ATC/". This information may be advisory information (e.g., "LEVEL CHANGE" or "ENTRY POINT CHANGE") or may be additional ATC instructions (e.g., "NOT BEFORE 1125 AT GOMUP").*

*Note – If the ETA at the entry point changes by 3 minutes or more, Shanwick must be advised by voice or by requesting a new clearance with the revised ETA.*

*Note – If the clearance contains a different entry point than requested, Shanwick will include a new calculated ETA in the clearance. If the new ETA differs from the ETA calculated by the flight crew by 3 minutes or more, Shanwick must be advised by voice or by requesting a new clearance with the revised ETA.*

14.9

Upon receipt of the clearance acknowledgement, Shanwick sends a message to the aircraft confirming the clearance. If this message is not received, Shanwick must be contacted by voice.

```

CMU   ATC STAT MSG
FSM 1022 030923 EGGX
N12345 CLA RECEIVED
CLEARANCE CONFIRMED
END OF MESSAGE
    
```

<RETURN

PRINT\*

*Note – If the flight crew requests a new clearance or if Shanwick requires a change to an existing clearance, one or more reclearances may be received by the flight crew. These reclearances will be annotated "RECLEARANCE 1", "RECLEARANCE 2", etc., although may not necessarily be numbered consecutively.*

*If a reclearance is received before a previous clearance or reclearance has been acknowledged, the reclearance with the highest reclearance number should be acknowledged.*

*If Shanwick is unable to approve a request for a new clearance, the flight crew will receive a reclearance which is a copy of the original with the phrase "UNABLE TO APPROVE REQUEST".*

*A reclearance for a new ETA at the entry point may be a copy of the original with the new ETA or may contain changes to any clearance parameter as a result of the new ETA.*

## 15 ATS Log

15.1	<p>Press the NAV function key to access the NAV INDEX 1/2 display.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; width: fit-content; margin: 10px auto;"> <p style="text-align: center;">NAV INDEX 1/2</p> <p>&lt;FPL LIST            FPL SEL&gt;</p> <p>&lt;WPT LIST            DATALINK&gt;</p> <p>&lt;DEPARTURE           ARRIVAL&gt;</p> <p>&lt;POS SENSORS           TUNE&gt;</p> </div>
15.2	<p>Line select DATALINK to access the DATALINK INDEX 1/1 display.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; width: fit-content; margin: 10px auto;"> <p style="text-align: center;">DATALINK INDEX 1/1</p> <p>&lt;FLT PLAN            WINDS&gt;</p> <p>&lt;REPORTS              CMU&gt;</p> <p>&lt;ADDRESS</p> </div>
15.3	<p>Line select CMU to access the MAIN MENU 1/2 display.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; width: fit-content; margin: 10px auto;"> <p style="text-align: center;">AOC      MAIN MENU 1/2</p> <p>&lt;NEW MSGS            WX MENU&gt;</p> <p>&lt;SEND MSG            ATS MENU&gt;</p> <p>&lt;AOC LOG              MISC MENU&gt;</p> <p style="text-align: right;">SYS MENU&gt;</p> </div>
15.4	<p>Line select ATS MENU to access the ATS MENU display.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; width: fit-content; margin: 10px auto;"> <p style="text-align: center;">CMU      ATS MENU 1/2</p> <p>&lt;DCL REQ              NEW MSGS&gt;</p> <p>&lt;OCEANIC REQ        ATS LOG&gt;</p> <p>&lt;MAIN MENU            SYS MENU&gt;</p> </div>

<p>15.5</p>	<p>Line select ATS LOG to access the ATS LOG 1/n display. The ATS LOG display contains all sent ATS requests with a ↓ (downlink) symbol and a SENT label and all received ATS messages previously viewed and accepted with a ↑ (uplink) symbol and an ACCEPTED label. To view a request or message, press the corresponding right line select key. To delete a single request or message, press the DEL function key to display the DELETE message in the scratchpad and then press the corresponding left line select key. Line select PRINT ATS LOG to print all requests and messages. Press the NEXT and PREV function keys to move through the ATS LOG pages.</p> <div data-bbox="285 500 632 748" style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <pre> CMU      ATS LOG      1/1 1519Z          SENT ↓ OCEANIC REQ      . . . &gt; 1321Z          SENT ↓ DCL REQUEST      . . . &gt;  &lt;RETURN      PRINT ATS LOG*                     </pre> </div>
<p>15.6</p>	<p>With a request or message displayed, line select PRINT to print the request or message. Press the NEXT and PREV function keys to move through the pages of the request or message.</p> <div data-bbox="285 915 632 1164" style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <pre> CMU      DCL REQUEST      1/2 FLT ID          DEPT GDC/0000        KBDL ATIS            GATE DEPARTURE          Z ATC FACILITY      DEST KBDL              KFLL &lt;RETURN          1321Z SENT                     </pre> </div>



## 16 ATIS

<p>16.1</p>	<p>Press the NAV function key to access the NAV INDEX 1/2 display.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <p style="text-align: center;">NAV INDEX 1/2</p> <p>&lt;FPL LIST            FPL SEL&gt;</p> <p>&lt;WPT LIST            DATALINK&gt;</p> <p>&lt;DEPARTURE           ARRIVAL&gt;</p> <p>&lt;POS SENSORS           TUNE&gt;</p> </div>
<p>16.2</p>	<p>Line select DATALINK to access the DATALINK INDEX 1/1 display.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <p style="text-align: center;">DATALINK INDEX 1/1</p> <p>&lt;FLT PLAN            WINDS&gt;</p> <p>&lt;REPORTS            CMU&gt;</p> <p>&lt;ADDRESS</p> </div>
<p>16.3</p>	<p>Line select CMU to access the MAIN MENU 1/2 display.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <p style="text-align: center;">AOC      MAIN MENU 1/2</p> <p>&lt;NEW MSGS            WX MENU&gt;</p> <p>&lt;SEND MSG            ATS MENU&gt;</p> <p>&lt;AOC LOG            MISC MENU&gt;</p> <p style="text-align: right;">SYS MENU&gt;</p> </div>
<p>16.4</p>	<p>Line select MISC MENU to access the MISC MENU display.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <p style="text-align: center;">AOC      MISC MENU</p> <p>&lt;ATIS            FLOW CTRL&gt;</p> <p>&lt;TWIP            NAT TRACKS&gt;</p> <p>&lt;RETURN</p> </div>

16.5 Line select ATIS to access the ATIS display. Enter up to six ICAO airport identifiers in the APT fields and then line select SEND to send the request. The first two APT fields default to the FMS departure and arrival airports and may be overwritten.

```

AOC      ATIS
  APT                APT
  KIAD                KDCA
  APT                APT
  KIND                ----
  APT
  KCVG
<RETURN          SEND>
    
```

16.6 When SEND is line selected, the display is 'frozen' for later review from the AOC LOG display. When the requested ATIS report is received, ATIS RCVD displays in the scratchpad.

```

AOC      ATIS
  APT                APT
  KIAD                KDCA
  APT                APT
  KIND                ****
  APT
  KCVG
<RETURN          1659Z SENT
  ATIS RCVD
    
```

*Note – ATIS reports are uplinked as an AOC message and may be viewed as a new message on the NEW MESSAGES display. Please refer to the NEW MESSAGES procedure for detailed instructions to view new messages.*

## 17 TWIP

<p>17.1</p>	<p>Press the NAV function key to access the NAV INDEX 1/2 display.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <p style="text-align: center;">NAV INDEX 1/2</p> <p>&lt;FPL LIST            FPL SEL&gt;</p> <p>&lt;WPT LIST            DATALINK&gt;</p> <p>&lt;DEPARTURE           ARRIVAL&gt;</p> <p>&lt;POS SENSORS           TUNE&gt;</p> </div>
<p>17.2</p>	<p>Line select DATALINK to access the DATALINK INDEX 1/1 display.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <p style="text-align: center;">DATALINK INDEX 1/1</p> <p>&lt;FLT PLAN            WINDS&gt;</p> <p>&lt;REPORTS              CMU&gt;</p> <p>&lt;ADDRESS</p> </div>
<p>17.3</p>	<p>Line select CMU to access the MAIN MENU 1/2 display.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <p style="text-align: center;">AOC      MAIN MENU 1/2</p> <p>&lt;NEW MSGS            WX MENU&gt;</p> <p>&lt;SEND MSG            ATS MENU&gt;</p> <p>&lt;AOC LOG              MISC MENU&gt;</p> <p style="text-align: right;">SYS MENU&gt;</p> </div>
<p>17.4</p>	<p>Line select MISC MENU to access the MISC MENU display.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <p style="text-align: center;">AOC      MISC MENU</p> <p>&lt;ATIS                  FLOW CTRL&gt;</p> <p>&lt;TWIP                  NAT TRACKS&gt;</p> <p>&lt;RETURN</p> </div>

17.5 Line select TWIP to access the TWIP display. Enter up to three ICAO airport identifiers in the APT fields and then line select SEND to send the request. The first two APT fields default to the FMS departure and arrival airports and may be overwritten.

```
AOC      TWIP
  APT
  KCLT
  APT
  KABQ
  APT
  ----
<RETURN          SEND>
```

17.6 When SEND is line selected, the display is 'frozen' for later review from the AOC LOG display. When the requested TWIP report is received, TWIP RCVD displays in the scratchpad.

```
AOC      TWIP
  APT
  KCLT
  APT
  KABQ
  APT
  ****
<RETURN          2022Z SENT
TWIP RCVD
```

*Note – A TWIP report is uplinked as an AOC message and may be viewed as a new message on the NEW MESSAGES display. Please refer to the NEW MESSAGES procedure for detailed instructions to view new messages.*

## 18 Flow Control

<p>18.1</p>	<p>Press the NAV function key to access the NAV INDEX 1/2 display.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <p style="text-align: center;">NAV INDEX 1/2</p> <p>&lt;FPL LIST            FPL SEL&gt;</p> <p>&lt;WPT LIST            DATALINK&gt;</p> <p>&lt;DEPARTURE           ARRIVAL&gt;</p> <p>&lt;POS SENSORS           TUNE&gt;</p> </div>
<p>18.2</p>	<p>Line select DATALINK to access the DATALINK INDEX 1/1 display.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <p style="text-align: center;">DATALINK INDEX 1/1</p> <p>&lt;FLT PLAN            WINDS&gt;</p> <p>&lt;REPORTS              CMU&gt;</p> <p>&lt;ADDRESS</p> </div>
<p>18.3</p>	<p>Line select CMU to access the MAIN MENU 1/2 display.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <p style="text-align: center;">AOC      MAIN MENU 1/2</p> <p>&lt;NEW MSGS            WX MENU&gt;</p> <p>&lt;SEND MSG            ATS MENU&gt;</p> <p>&lt;AOC LOG              MISC MENU&gt;</p> <p style="text-align: right;">SYS MENU&gt;</p> </div>
<p>18.4</p>	<p>Line select MISC MENU to access the MISC MENU display.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <p style="text-align: center;">AOC      MISC MENU</p> <p>&lt;ATIS                  FLOW CTRL&gt;</p> <p>&lt;TWIP                  NAT TRACKS&gt;</p> <p>&lt;RETURN</p> </div>

18.5 Line select FLOW CTRL to access the FLOW CONTROL display. Enter up to three ICAO airport identifiers in the APT fields and then line select SEND to send the request. The first two APT fields default to the FMS departure and arrival airports and may be overwritten.

```
AOC FLOW CONTROL
APT
KFTY
APT
KAPA
APT
----
<RETURN          SEND>
```

18.6 When SEND is line selected, the display is 'frozen' for later review from the AOC LOG display. When the requested air traffic flow control report is received, FLOW CTRL RCVD displays in the scratchpad.

```
AOC FLOW CONTROL
APT
KFTY
APT
KAPA
APT
****
<RETURN          1919Z SENT
FLOW CTRL RCVD
```

*Note – An air traffic flow control report is uplinked as an AOC message and may be viewed as a new message on the NEW MESSAGES display. Please refer to the NEW MESSAGES procedure for detailed instructions to view new messages.*

## 19 NAT Tracks

<p>19.1</p>	<p>Press the NAV function key to access the NAV INDEX 1/2 display.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <pre style="margin: 0;"> NAV INDEX 1/2 &lt;FPL LIST      FPL SEL&gt;  &lt;WPT LIST      DATALINK&gt;  &lt;DEPARTURE     ARRIVAL&gt;  &lt;POS SENSORS   TUNE&gt;</pre> </div>
<p>19.2</p>	<p>Line select DATALINK to access the DATALINK INDEX 1/1 display.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <pre style="margin: 0;"> DATALINK INDEX 1/1 &lt;FLT PLAN      WINDS&gt;  &lt;REPORTS       CMU&gt;  &lt;ADDRESS</pre> </div>
<p>19.3</p>	<p>Line select CMU to access the MAIN MENU 1/2 display.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <pre style="margin: 0;"> AOC  MAIN MENU 1/2 &lt;NEW MSGS     WX MENU&gt;  &lt;SEND MSG     ATS MENU&gt;  &lt;AOC LOG      MISC MENU&gt;                  SYS MENU&gt;</pre> </div>
<p>19.4</p>	<p>Line select MISC MENU to access the MISC MENU display.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <pre style="margin: 0;"> AOC  MISC MENU &lt;ATIS          FLOW CTRL&gt;  &lt;TWIP          NAT TRACKS&gt;  &lt;RETURN</pre> </div>

19.5 Line select NAT TRACKS to access the NAT TRACKS display. Line select TRACKS to cycle through ALL, EASTBOUND, and WESTBOUND values for the NAT Track Message. With the desired value selected, line select SEND to send the request.

```
AOC NAT TRACKS
TRACKS
WESTBOUND

<RETURN          SEND>
```

19.6 When SEND is line selected, the display is 'frozen' for later review from the AOC LOG display. When the requested NAT Track Message is received, NAT TRACKS RCVD displays in the scratchpad and the NAT Track Message may be viewed as a new message.

```
AOC NAT TRACKS
TRACKS
WESTBOUND

<RETURN          0946Z SENT
NAT TRACKS RCVD
```

*Note – A NAT Track Message is uplinked as an AOC message and may be viewed as a new message on the NEW MESSAGES display. Please refer to the NEW MESSAGES procedure for detailed instructions to view new messages.*



## 20 Datalink Manager

20.1	<p>Press the NAV function key to access the NAV INDEX 1/2 display.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; width: fit-content; margin: 10px auto;"> <pre style="margin: 0;"> NAV INDEX    1/2 &lt;FPL LIST    FPL SEL&gt;  &lt;WPT LIST    DATALINK&gt;  &lt;DEPARTURE   ARRIVAL&gt;  &lt;POS SENSORS TUNE&gt;</pre> </div>
20.2	<p>Line select DATALINK to access the DATALINK INDEX 1/1 display.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; width: fit-content; margin: 10px auto;"> <pre style="margin: 0;"> DATALINK INDEX 1/1 &lt;FLT PLAN      WINDS&gt;  &lt;REPORTS       CMU&gt;  &lt;ADDRESS</pre> </div>
20.3	<p>Line select CMU to access the MAIN MENU 1/2 display.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; width: fit-content; margin: 10px auto;"> <pre style="margin: 0;"> AOC    MAIN MENU  1/2 &lt;NEW MSGS    WX MENU&gt;  &lt;SEND MSG    ATS MENU&gt;  &lt;AOC LOG     MISC MENU&gt;                  SYS MENU&gt;</pre> </div>
20.4	<p>Line select SYS MENU to access the SYSTEM MENU display.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; width: fit-content; margin: 10px auto;"> <pre style="margin: 0;"> CMU    SYSTEM MENU &lt;DATALINK MGR  NEW MSGS&gt;  &lt;TIME/DATE     ATS LOG&gt;  &lt;MAINTENANCE  &lt;MAIN MENU     ATS MENU&gt;</pre> </div>

<p>20.5</p>	<p>Line select DATALINK MGR to access the DATALINK MGR 1/2 display. Ensure that the VHF RADIO MODE is DATA.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <pre> CMU  DATALINK MGR  1/2       VHF RADIO MODE             DATA                  VHF FREQ SEL&gt;  &lt;SYS MENU  DATA REGIONS&gt;                     </pre> </div>
<p>20.6</p>	<p>Line select VHF FREQ SEL to access the VHF FREQ SEL 1/1 display. This display shows the automatically selected VHF frequency for datalink transmissions. A frequency may also be manually entered in the SECONDARY field.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <pre> CMU  VHF FREQ SEL  1/1       SITA *131.72&lt;SEL&gt;  *131.55                 SECONDARY                 --- &lt;RETURN  DATA REGIONS&gt;                     </pre> </div>
<p>20.7</p>	<p>Line select DATA REGIONS to access the DATA REGIONS 1/1 display. This display shows the automatically selected data region for datalink transmissions. Line select RETURN twice to return to the DATALINK MGR display.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <pre> CMU  DATA REGIONS  1/1  ARINC                OTHER  AVICOM              DEFAULT  SITA&lt;*&gt; &lt;RETURN                     </pre> </div>

<p>20.8</p>	<p>Press the NEXT function key to access the DATALINK MGR 2/2 display. If AVAILABLE displays above VHF TEST, line select VHF TEST to send a VHF test downlink. AVAILABLE changes to SENDING and then to either SENT if successful or to FAILED if unsuccessful. If NO COMM displays instead of AVAILABLE, no VHF datalink communication is available. Line select MSG RESET and then CONFIRM to clear all message review logs.</p> <div data-bbox="329 373 680 625" style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <pre> CMU   DATALINK MGR  2/2 AVAILABLE *VHF TEST                                  MSG RESET* &lt;SYS MENU  DATA REGIONS&gt; </pre> </div>
-------------	---

## 21 Status

<p>21.1</p>	<p>Press the NAV function key to access the NAV INDEX 1/2 display.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <p style="text-align: center;">NAV INDEX 1/2</p> <p>&lt;FPL LIST            FPL SEL&gt;</p> <p>&lt;WPT LIST            DATALINK&gt;</p> <p>&lt;DEPARTURE           ARRIVAL&gt;</p> <p>&lt;POS SENSORS           TUNE&gt;</p> </div>
<p>21.2</p>	<p>Line select DATALINK to access the DATALINK INDEX 1/1 display.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <p style="text-align: center;">DATALINK INDEX 1/1</p> <p>&lt;FLT PLAN            WINDS&gt;</p> <p>&lt;REPORTS            CMU&gt;</p> <p>&lt;ADDRESS</p> </div>
<p>21.3</p>	<p>Line select CMU to access the MAIN MENU 1/2 display.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <p style="text-align: center;">AOC    MAIN MENU 1/2</p> <p>&lt;NEW MSGS            WX MENU&gt;</p> <p>&lt;SEND MSG            ATS MENU&gt;</p> <p>&lt;AOC LOG            MISC MENU&gt;</p> <p style="text-align: right;">SYS MENU&gt;</p> </div>
<p>21.4</p>	<p>Press the NEXT function key to access the MAIN MENU 2/2 display.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <p style="text-align: center;">AOC    MAIN MENU 2/2</p> <p>&lt;STATUS            REPORTS&gt;</p> </div>

<p>21.5</p>	<p>Line select STATUS to access the STATUS 1/2 display. The AIRCRAFT field displays the aircraft registration as configured in the CMU Mark III APM. The GSP field displays the selected datalink ground service provider (GSP) as configured in the APM with possible values of GDC or OTHER. The COMM field displays the current datalink communications status with possible values of VHF ARINC, VHF AVICOM, VHF SITA, or NONE. The L/L POS and PRESS ALT fields display the aircraft latitude/longitude position and pressure altitude respectively as provided by the aircraft FMS.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <pre> AOC      STATUS      1/2 AIRCRAFT      L/L POS N12345      N4023 W08502 GSP          PRESS ALT GDC          40960 COMM VHF ARINC &lt;RETURN                     </pre> </div>
<p>21.6</p>	<p>Press the NEXT function key to access the STATUS 2/2 display. The OOOI (Out/Off/On/In) field displays the current aircraft OOOI status with possible values of OUT, OFF, ON, or IN. The AIR/GRD field displays the current aircraft air/ground status with possible values of AIR or GRD. The MAIN DOOR and BAG DOOR fields display the status of the main door and baggage door respectively with possible values of CLOSED or OPEN. The PARK BRAKE field displays the aircraft parking brake status with possible values of SET or REL.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <pre> AOC      STATUS      2/2 OOOI          MAIN DOOR OFF          CLOSED AIR/GRD      BAG DOOR AIR          CLOSED             PARK BRAKE             REL &lt;RETURN                     </pre> </div>

## 22 Reports

<p>22.1</p>	<p>Press the NAV function key to access the NAV INDEX 1/2 display.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <p style="text-align: center;">NAV INDEX 1/2</p> <p>&lt;FPL LIST FPL SEL&gt;</p> <p>&lt;WPT LIST DATALINK&gt;</p> <p>&lt;DEPARTURE ARRIVAL&gt;</p> <p>&lt;POS SENSORS TUNE&gt;</p> </div>
<p>22.2</p>	<p>Line select DATALINK to access the DATALINK INDEX 1/1 display.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <p style="text-align: center;">DATALINK INDEX 1/1</p> <p>&lt;FLT PLAN WINDS&gt;</p> <p>&lt;REPORTS CMU&gt;</p> <p>&lt;ADDRESS</p> </div>
<p>22.3</p>	<p>Line select CMU to access the MAIN MENU 1/2 display.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <p style="text-align: center;">AOC MAIN MENU 1/2</p> <p>&lt;NEW MSGS WX MENU&gt;</p> <p>&lt;SEND MSG ATS MENU&gt;</p> <p>&lt;AOC LOG MISC MENU&gt;</p> <p style="text-align: right;">SYS MENU&gt;</p> </div>
<p>22.4</p>	<p>Press the NEXT function key to access the MAIN MENU 2/2 display.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px auto; width: fit-content;"> <p style="text-align: center;">AOC MAIN MENU 2/2</p> <p>&lt;STATUS REPORTS&gt;</p> </div>

22.5 Line select REPORTS to access the REPORTS 1/2 display. The display shows the current time and date and the departure and arrival airports as provided by the aircraft FMS. The OUT, OFF, ON, and IN fields show the recorded times for each event respectively. The BLOCK field shows the calculated time between OUT and IN events and the FLIGHT field shows the calculated time between OFF and ON events. Line select PRINT to print the displayed information with the aircraft registration.

```

AOC      REPORTS    1/2
          1551Z 07 MAY 03
          KMSY-KLAS
          OUT      BLOCK      IN
          1217Z   03+24    1541Z
          OFF     FLIGHT     ON
          1224Z   03+13    1537Z
          <RETURN                PRINT>
    
```

22.6 Press the NEXT function key to access the REPORTS 2/2 display. Line select OFF/ON RPTS to cycle through ENABLED and DISABLED values for automatic transmission of takeoff and landing reports. Line select AUTO POS RPTS to cycle through 15 MIN, 30 MIN, 60 MIN, and DISABLED values for automatic transmission of position reports.

```

AOC      REPORTS    2/2
          OFF/ON RPTS
          ↓ENABLED
          AUTO POS RPTS
          ↓15 MIN

          <RETURN
    
```

*Note – Please contact the GDC to request takeoff and landing reports to be automatically forwarded to e-mail addresses or fax numbers.*

*Note – The GDC generally recommends selecting 15 MIN for automatic position reports to ensure positive communications between the aircraft and the GDC.*

*Note – The OFF/ON RPTS and AUTO POS RPTS settings are maintained through power cycles.*

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# Appendix A – Air Traffic Services Airports

## United States

<b>AIRPORT</b>	<b>CITY, STATE</b>	<b>PDC</b>	<b>D-ATIS</b>	<b>TWIP</b>
KABQ	Albuquerque, NM	✓	✓	✓
KATL	Atlanta, GA	✓	✓	✓
KAUS	Austin, TX	✓	✓	
KBDL	Bradley, CT	✓	✓	
KBNA	Nashville, TN	✓	✓	✓
KBOS	Boston, MA	✓	✓	✓
KBUF	Buffalo, NY	✓	✓	
KBUR	Burbank, CA	✓	✓	
KBWI	Baltimore, MD	✓	✓	✓
KCLE	Cleveland, OH	✓	✓	✓
KCLT	Charlotte, NC	✓	✓	✓
KCMH	Columbus, OH	✓	✓	✓
KCVG	Cincinnati, OH	✓	✓	✓
KDAL	Dallas (Love), TX			✓
KDAY	Dayton, OH			✓
KDCA	Washington (Nat'l), DC	✓	✓	✓
KDEN	Denver, CO	✓	✓	✓
KDFW	Dallas-Fort Worth, TX	✓	✓	✓
KDTW	Detroit, MI	✓	✓	✓
KELP	El Paso, TX	✓	✓	
KEWR	Newark, NJ	✓	✓	
KFLL	Fort Lauderdale, FL	✓	✓	✓
KGSO	Greensboro, NC	✓	✓	
KHOU	Houston (Hobby), TX			✓
KIAD	Washington (Dulles), DC	✓	✓	✓
KIAH	Houston (Intercont'l), TX	✓	✓	✓
KICT	Wichita, KS			✓
KIND	Indianapolis, IN	✓	✓	✓
KJFK	New York (JFK), NY	✓	✓	
KLAS	Las Vegas, NV	✓	✓	
KLAX	Los Angeles, CA	✓	✓	
KLGA	New York (LaGuardia), NY	✓	✓	
KMCI	Kansas City, MO	✓	✓	✓
KMCO	Orlando (Int'l), FL	✓	✓	✓
KMDW	Chicago (Midway), IL	✓	✓	
KMEM	Memphis, TN	✓	✓	✓
KMIA	Miami, FL	✓	✓	✓
KMKE	Milwaukee, WI	✓	✓	✓
KMSP	Minneapolis-St. Paul, MN	✓	✓	✓
KMSY	New Orleans, LA	✓	✓	✓

**United States**

<b>AIRPORT</b>	<b>CITY, STATE</b>	<b>PDC</b>	<b>D-ATIS</b>	<b>TWIP</b>
KOAK	Oakland, CA	✓	✓	
KOKC	Oklahoma City, OK			✓
KONT	Ontario, CA	✓	✓	
KORD	Chicago (O'Hare), IL	✓	✓	✓
KPBI	West Palm Beach, FL			✓
KPDX	Portland, OR	✓	✓	
KPHL	Philadelphia, PA	✓	✓	✓
KPHX	Phoenix, AZ	✓	✓	
KPIT	Pittsburgh, PA	✓	✓	✓
KRDU	Raleigh-Durham, NC	✓	✓	✓
KSAN	San Diego, CA	✓	✓	
KSAT	San Antonio, CA	✓	✓	
KSDF	Louisville, KY	✓	✓	✓
KSEA	Seattle-Tacoma, WA	✓	✓	
KSFO	San Francisco, CA	✓	✓	
KSJC	San Jose, CA	✓	✓	
KSLC	Salt Lake City, UT	✓	✓	✓
KSMF	Sacramento, CA	✓	✓	
KSNA	Orange County, CA	✓	✓	
KSTL	St. Louis, MO	✓	✓	✓
KTEB	Teterboro, NJ	✓	✓	
KTPA	Tampa, FL	✓	✓	✓
KTUL	Tulsa, OK	✓	✓	✓
TJSJ	San Juan, PR	✓	✓	

**Canada**

<b>AIRPORT</b>	<b>CITY</b>	<b>PDC</b>	<b>D-ATIS</b>	<b>TWIP</b>
CYEG	Edmonton		✓	
CYHM	Hamilton		✓	
CYHZ	Halifax		✓	
CYLW	Kelowna		✓	
CYMX	Mirabel		✓	
CYOW	Ottawa		✓	
CYQB	Quebec City		✓	
CYQM	Moncton		✓	
CYQR	Regina		✓	
CYQT	Thunder Bay		✓	
CYQX	Gander		✓	
CYUL	Montreal		✓	
CYVR	Vancouver		✓	
CYWG	Winnipeg		✓	
CYXE	Saskatoon		✓	

## Canada

AIRPORT	CITY	PDC	D-ATIS	TWIP
CYYC	Calgary		✓	
CYYJ	Victoria		✓	
CYYT	St. John's		✓	
CYYZ	Toronto		✓	

## Europe

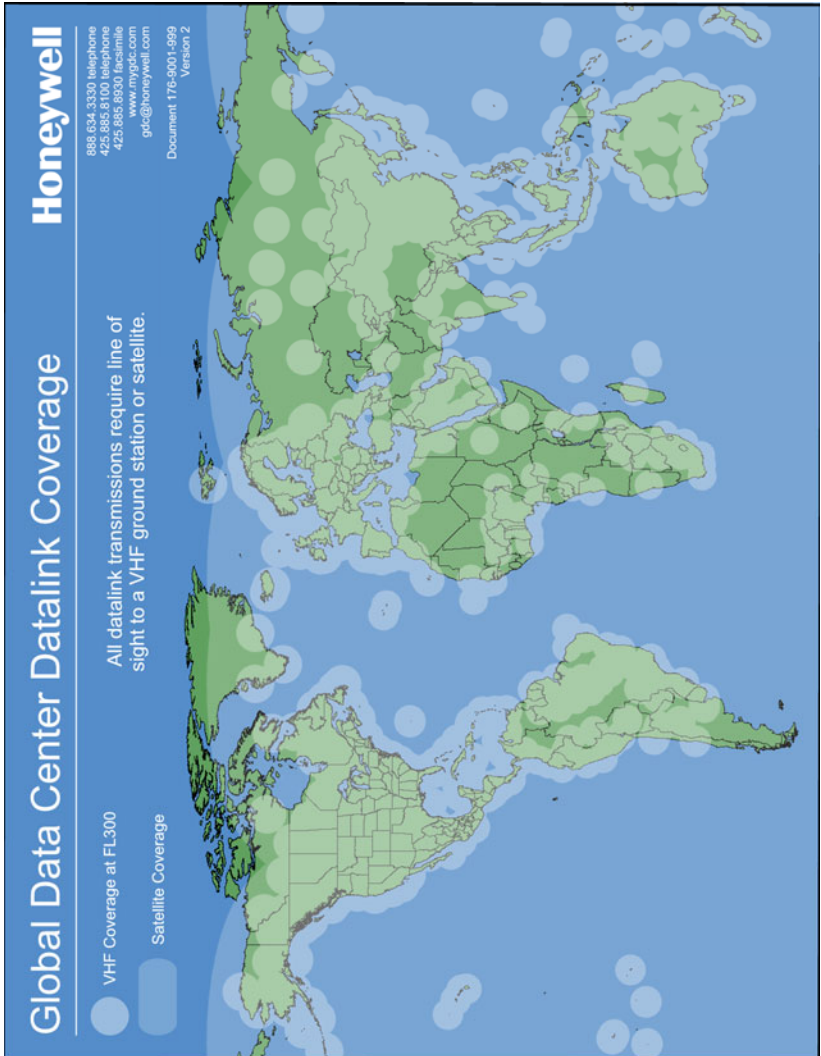
AIRPORT	CITY	PDC	D-ATIS	TWIP
<b>GERMANY</b>				
EDDB	Berlin – Schonefeld		✓	
EDDF	Frankfurt		✓	
EDDG	Munster		✓	
EDDH	Hamburg		✓	
EDDI	Berlin – Tempelhof		✓	
EDDK	Cologne		✓	
EDDL	Dusseldorf		✓	
EDDM	Munich		✓	
EDDN	Nuremberg		✓	
EDDP	Leipzig		✓	
EDDS	Stuttgart		✓	
EDDT	Berlin – Tegel		✓	
EDDV	Hannover		✓	
EDDW	Bremen		✓	
<b>NORWAY</b>				
ENGM	Oslo		✓	

## Asia / Pacific

AIRPORT	CITY	PDC	D-ATIS	TWIP
<b>CHINA</b>				
VHHH	Hong Kong		✓	
<b>NEW ZEALAND</b>				
NZAA	Auckland		✓	
NZCH	Christchurch		✓	
NZWN	Wellington		✓	
<b>SINGAPORE</b>				
WSSS	Singapore		✓	
<b>THAILAND</b>				
VTBD	Bangkok		✓	
VTCC	Chiang Mai		✓	
VTSS	Hat Yai		✓	
VTSP	Phuket		✓	

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# Appendix B – GDC Datalink Coverage Map



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