

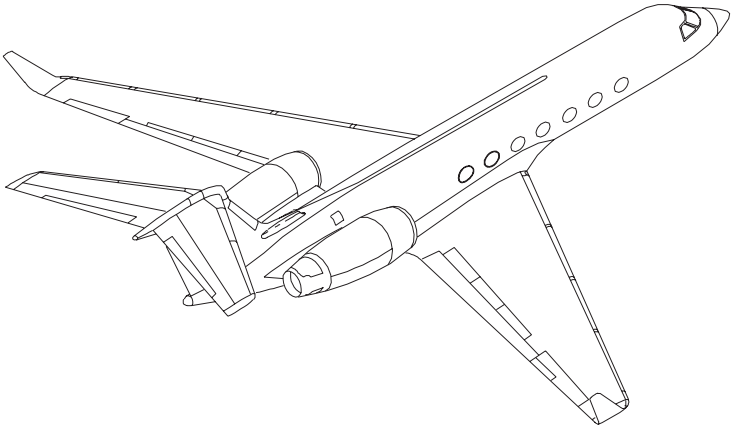
FLIGHT OPERATIONS

Operating Manual Supplement

For G350, G450, G500 and G550 Airplanes

Supplement Number GAC-OMS-4
Future Air Navigation System (FANS 1/A)
Automatic Dependent Surveillance (ADS-C)
Controller Pilot Data Link Communications (CPDLC)

Revision 1
July 1, 2012



Gulfstream

© 2012 Gulfstream Aerospace Corporation

All rights reserved, including the right to reproduce this publication. No part may be reproduced, stored in any retrieval system, or transmitted in any part or form or by any means, electronic, photo-copying, microfilm, microfiche, mechanical, or otherwise, without prior written permission of Gulfstream Aerospace Corporation.

Gulfstream

OPERATING MANUAL SUPPLEMENT

FOR G350, G450, G500 AND G550 AIRPLANES

GAC-OMS-04

LOG OF REVISIONS

Rev. No.	Pages Revised	Description of Revision	Date
1	i – ii	Front Matter	JUL 1/12
1	1	Revised text	JUL 1/12
1	4	Revised references	JUL 1/12
1	5	Revised text	JUL 1/12
1	8 – 14	Revised text and updated table	JUL 1/12

Gulfstream

OPERATING MANUAL SUPPLEMENT

GAC-OMS-04

FOR G350, G450, G500 AND G550 AIRPLANES

LIST OF EFFECTIVE PAGES

<u>SECTION</u>	<u>PAGE</u>	<u>REV</u>	<u>DATE</u>
Front Matter	i	0	JUL 1/12
Front Matter	ii	0	JUL 1/12
GAC-OMS-04	1	0	JUL 1/12
GAC-OMS-04	2	0	JUL 1/12
GAC-OMS-04	3	0	JUL 1/12
GAC-OMS-04	4	0	JUL 1/12
GAC-OMS-04	5	0	JUL 1/12
GAC-OMS-04	6	0	JUL 1/12
GAC-OMS-04	7	0	JUL 1/12
GAC-OMS-04	8	0	JUL 1/12
GAC-OMS-04	9	0	JUL 1/12
GAC-OMS-04	10	0	JUL 1/12
GAC-OMS-04	11	0	JUL 1/12
GAC-OMS-04	12	0	JUL 1/12
GAC-OMS-04	13	0	JUL 1/12
GAC-OMS-04	14	0	JUL 1/12

TABLE OF CONTENTS

<u>SUBJECT</u>	<u>PAGE</u>
1. Preface	1
2. Introduction	1
3. ATS Facilities Notification (AFN).....	2
4. Automatic Dependent Surveillance (ADS)	3
5. References.....	4
6. Compliance with DO-258A	5
7. Approval for NAT Operation	5
8. Approval for Oceanic and Remote Operation.....	5
9. Authorization for Use of FANS 1/A Data Link	5
10. Preflight Considerations	6
11. Inflight Considerations.....	6

Gulfstream

OPERATING MANUAL SUPPLEMENT

FOR G350, G450, G500 AND G550 AIRPLANES

GAC-OMS-04

FANS 1/A CPDLC/ADS-C

1. Preface

This manual is applicable to G350, G450, G500, and G550 airplanes equipped with ASC 908 (Certification Foxtrot) and either ASC 059 or ASC 71 for the G350/G450, and for the G500/G550, either ASC 084 or ASC 96, and later approved versions. Airplanes equipped with ASC 906 (Certification Delta), or airplanes without CPDLC installed, are limited to ADS-C operations only and will utilize the most recent version of Gulfstream Operating Manual Supplement GAC-OMS-3.

2. Introduction

The FMS Air Traffic Control (ATC) Datalink function provides the following Future Air Navigation System (FANS 1/A) Air Traffic Services (ATS) applications: ATS Facilities Notification (AFN), Automatic Dependent Surveillance (ADS) and Controller Pilot Data Link Communications (CPDLC). CPDLC is also known as ATC Comm.

The ATS Facilities Notification (AFN) function allows the pilot to logon to an ATC center to begin CDPLC and/or ADS operations.

The Automatic Dependent Surveillance (ADS) function allows an ATC center to request the aircraft to automatically transmit, via a datalink, aircraft data derived from on-board navigation systems (FMS).

NOTE: ADS refers to Automatic Dependent Surveillance – Addressed (ADS-A) and/or Automatic Dependent Surveillance – Contract (ADS-C), which are synonymous. Automatic Dependent Surveillance – Broadcast (ADS-B) will be included in a future certification.

ADS uses the various systems on board the aircraft to provide aircraft position, velocity, intent and meteorological data. These data can be transmitted to the ATS provider system (ATC Center) for estimating and predicting aircraft position.

The Controller Pilot Data Link Communication (CPDLC) application is an ATS application in which pilots and controllers exchange messages via data link. CPDLC includes a set of clearance/information/request message elements which correspond to existing phraseology employed by current Air Traffic Control procedures.

Gulfstream

OPERATING MANUAL SUPPLEMENT

GAC-OMS-04

FOR G350, G450, G500 AND G550 AIRPLANES

3. ATS Facilities Notification (AFN)

When the pilot initiates an AFN LOGON, the FMS informs the ground ATC facility of the location of the aircraft and its ATS capability. The initial notification message transmitted to the ground ATC facility includes:

- The four character ICAO code for the ATC facility to which the pilot wishes to logon, as entered in the LOGON TO field on the MCDU ATC LOGON/STATUS page
- Flight ID, as displayed in the FLT ID field on the ATC LOGON/STATUS page
- Aircraft Registration (Tail No.), as displayed in the TAIL NO field on the ATC LOGON/STATUS page. The Tail No. is contained in the Aircraft Personality Module (APM).
- Time (UTC)
- Aircraft position (FMS Present Position Latitude / Longitude)
- Aircraft ADS and CPDLC capability

The FMS also provides the capability for an active ATC Center to request the aircraft to notify (automatically logon to) the next ATC Center. This capability is known as an AFN Handoff.

The pilot can logon from any FMS; however, only the Master FMS transmits AFN messages. The Master FMS is the displayed FMS on the coupled side (left or right). FMS 1 is normally the master FMS for FANS 1/A operations.

If an ATC LOGON is not accepted by the ATC center within 10 minutes, the "RE-LOG ON TO ATC CENTER" MCDU scratchpad message is displayed and the pilot should attempt the logon again. If the logon is not accepted by the ATC facility after the second logon attempt, the pilot should revert to voice communications.

The pilot interface with the AFN function is provided by the ATC LOGON/STATUS MCDU page. The procedure for logging onto an ATC facility is described in the Gulfstream G450/G550 Aircraft Operating Manual Chapter 2B-33-00 Air Traffic Control (ATC).

Gulfstream

OPERATING MANUAL SUPPLEMENT

FOR G350, G450, G500 AND G550 AIRPLANES

GAC-OMS-04

4. Automatic Dependent Surveillance (ADS)

ADS reports are generated in response to commands, called contract requests, issued by the ATS provider system (ATC Center). The contract identifies the types of information and the conditions under which reports are to be transmitted from the aircraft.

Three types of contract reporting have been defined: periodic contract, event contract and demand contract. The aircraft can also initiate emergency reporting, which is a special case of periodic reporting. In response to a periodic contract, the aircraft assembles and transmits a message containing the fields at the interval specified in the contract request. Event contracts define certain events (e.g., waypoint change) which will cause a report to be sent, independent of any periodic contracts in effect. One demand contract is sent each time it is commanded from the ATS provider system.

Within the contract request, several different data groups may be specified. These include the basic position report, which contains three-dimensional position and time, and additional on-request groups.

When an ADS Waypoint Change event contract is active, position report data will be sent when the aircraft reaches the bisector of the angles at a flight plan waypoint. (This corresponds to the VNAV sequence point.)

An ATS Provider may issue multiple simultaneous contracts to a single aircraft, including one periodic and one event contract, which may be supplemented by any number of demand contracts. The pilot interface used to view the active ADS periodic and event contracts is provided by the ADS REVIEW MCDU pages. Up to four separate ATS Provider systems can initiate ADS contracts simultaneously with the aircraft.

Additional information on ADS is provided in the Gulfstream G450/G550 Aircraft Operating Manual Chapter 2B-33-00 Air Traffic Control (ATC).

Gulfstream

OPERATING MANUAL SUPPLEMENT

GAC-OMS-04

FOR G350, G450, G500 AND G550 AIRPLANES

5. References

The following references provide additional information and guidance material on FANS 1/A operation.

Gulfstream G350/G450/G500/G550 Airplane Flight Manual	
Gulfstream G450/G550 Aircraft Operating Manual	
Interoperability Requirements for ATS Applications Using ARINC 622 Data Communications (FANS 1/A Interop Standard), RTCA Inc.	RTCA DO-258A
FANS 1/A Compliance Matrix to DO-258A for Gulfstream G450/G550 ASC 906 (Certification Delta) and Later Approved Versions	Honeywell Document
Global Operational Data link Document, and Later ICAO Approved Versions	Version 1.0 Effective 14 June, 2010
Operational Authorization Process for Use of Data Link Communication System	AC 120-70B as revised
Guidelines for Design Approval of Aircraft Data Communications Systems	AC 20-140
Software Considerations in Airborne Systems and Equipment Certification, RTCA Inc.	RTCA DO-178B
Air/Ground Character-Oriented Protocol Specification, AEEC, Aeronautical Radio, Inc.	ARINC Specification 618-5
ACARS Protocols for Avionic End Systems, AEEC, Aeronautical Radio, Inc.	ARINC Specification 619-2
ATS Data Link Applications Over ACARS Air-Ground Network, AEEC, Aeronautical Radio, Inc.	ARINC Specification 622-4

Gulfstream

OPERATING MANUAL SUPPLEMENT

FOR G350, G450, G500 AND G550 AIRPLANES

GAC-OMS-04

6. Compliance With DO-258A

The Gulfstream PlaneView G350/G450/G500/G550 on the Honeywell Primus Epic platform complies with the interoperability requirements of RTCA DO-258A for AFN, ADS, and CPDLC operations, as noted in the Honeywell document FANS 1/A Compliance Matrix to DO-258A for Gulfstream G450/G550 ASC 908 and later approved versions, with the clarifications and deviations listed.

7. Approval For NAT Operation

The Gulfstream PlaneView G350, G450, G500, and G550 airplanes equipped with ASC 908 (Certification Foxtrot) and either ASC 059 or ASC 71 for the G350/G450, and for the G500/G550, either ASC 084 or ASC 96, and later approved versions on the Honeywell Primus Epic platform, has completed the FCMS CPDLC/ADS trials, met the interoperability requirements for FANS 1/A, and has been accepted into the NAT FANS service. The proper data link capability must be noted on the filed ICAO flight plan.

8. Approval for Oceanic and Remote Operation

The Gulfstream PlaneView G350, G450, G500, and G550 airplanes equipped with ASC 908 (Certification Foxtrot) and either ASC 059 or ASC 71 for the G350/G450, and for the G500/G550, either ASC 084 or ASC 96, and later approved versions on the Honeywell Primus Epic platform are also approved for oceanic and remote operation in areas outside the NAT. The proper datalink capability must be noted on the filed ICAO flight plan.

9. Authorization for Use of FANS 1/A Data Link

Prior to using FANS 1/A data link, operators may be required to obtain a data link authorization with the State of registry in accordance with their rules and means of compliance (e.g., FAA AC 120-70B as revised). This operational authorization should address flight crew training and qualification, maintenance, MEL, user modifiable software, service agreements with Communication Service Provider (CSP), and procedures for submitting problem reports and data to the Data Link Monitoring Agency (DLMA). It should also ensure that aircraft equipment has been approved for the intended use in accordance with airworthiness requirements and related means of compliance (e.g., FAA AC 20-140).

Gulfstream

OPERATING MANUAL SUPPLEMENT

GAC-OMS-04

FOR G350, G450, G500 AND G550 AIRPLANES

10. Preflight Considerations

A. Minimum Equipment List

- 1) The following minimum equipment is required for CPDLC/ADS-C operations. The aircrew should verify availability of this equipment during preflight.
 - FMS (LNAV, VNAV, and ATC)
 - Autopilot (AP) or Flight Director (FD)
 - Primary Flight Display (PFD)
 - Map display
 - Communications Management Function (CMF)
 - SATCOM with ICAO Safety Services Certification (Honeywell MCS-7000 is the only approved satellite data system currently available for the G350/G450/G500/G550). VHF Datalink Radio may be used in regions of VHF coverage.

B. VHF and SATCOM Availability

- 1) During preflight, the aircrew should verify that the CMF indicates both VHF (if operative and VHF coverage is available) and SATCOM functions are available.
- 2) VHF and SATCOM availability is displayed on the CMU DATALINK MGR 1/2 page:
 - a. Select DLK, SYSTEM, DATALINK MGR.
 - b. Verify VHF Available and SATCOM Available.

NOTE: The system does not use HF datalink.

11. Inflight Considerations

A. Communications Functions

- 1) The aircrew should verify operation of these functions throughout the flight:
 - VHF datalink, when in a region with VHF coverage
 - Transition to SATCOM when exiting VHF coverage

Gulfstream

OPERATING MANUAL SUPPLEMENT

FOR G350, G450, G500 AND G550 AIRPLANES

GAC-OMS-04

- Transition to VHF when entering a VHF region
NOTE: If using SATCOM exclusively, VHF operation is not applicable.
- 2) CMF selection of VHF or SATCOM, for datalink transmissions, is displayed on the AOC STATUS 1/3 page:
 - a. Select DLK, STATUS.
 - b. Verify Datalink GND VHF or SAT UHF.
- 3) VHF or SATCOM operability can be confirmed by a CMF TEST. To perform a CMF TEST (when not on the AOC STATUS 1/3 page):
 - a. Select DLK, STATUS, TEST, DATALINK SEND*
 - b. Verify that the datalink status changes to SENDING.
 - c. Verify that a “TEST UPLINK” scratchpad message is displayed. (The message may be viewed by pressing the DLK key to access the AOC TEST page or by selecting NEW MESSAGES from the AOC MAIN MENU page.)
NOTE: In the unlikely event that the system does not switch correctly from VHF to SATCOM, the ADS WPT CHG (position) reports may not be sent to ATC. Performing a CMF TEST prior to the reporting point will verify that communications are active.
- 4) If the CMU STATUS page continues to display Datalink GND VHF and does not transition to SAT UHF when the aircraft is outside VHF coverage, the aircrew should perform the following procedure:
 - a. Select DLK, SYSTEM, DATALINK MGR to access the CMU DATALINK MGR 1/2 page.
 - b. Select DATA REGIONS.
 - c. Select a different geographic region than the current selection.
 - d. Select RETURN TO AUTO*.
 - e. Select DLK, STATUS.
 - f. Verify Datalink SAT UHF.
 - g. Perform a CMF test to confirm SATCOM operability.

Gulfstream

OPERATING MANUAL SUPPLEMENT

GAC-OMS-04

FOR G350, G450, G500 AND G550 AIRPLANES

- 5) If the CMU STATUS page continues to indicate SAT UHF and does not transition to Datalink GND VHF when the aircraft is back inside VHF coverage, the aircrew should perform the following procedure:
 - a. Select DLK, SYSTEM, DATALINK MGR to access the CMU DATALINK MGR 1/2 page.
 - b. Select DATA REGIONS.
 - c. Select a different geographic region than the current selection.
 - d. Select RETURN TO AUTO*.
 - e. Select DLK, STATUS.
 - f. Verify Datalink GND VHF.
 - g. Perform a CMF test to confirm VHF operability.
- 6) Ten minutes prior to AFN Logon, the aircrew may:
 - a. Perform a CMF test to verify datalink availability.

B. MCDU Interface

- 1) The Master FMS is the displayed FMS on the coupled side (left or right). The Master FMS determines which MCDU is the primary interface choice when interacting with CPDLC Uplinks. Consideration should be given to the FMS Operating mode such as Synchronous All, Synchronous 1-2, etc. when determining which MCDU is selected for the CPDLC/ADS-C interface. For example, if the FMS's are in Independent mode, only the Master FMS shall be used for CPDLC/ADS-C.

Gulfstream

OPERATING MANUAL SUPPLEMENT

FOR G350, G450, G500 AND G550 AIRPLANES

GAC-OMS-04

C. AFN Logon

1) Initial Logon:

Fifteen to 45 minutes prior to entering the FIR boundary (some FIRs may have reduced time windows) the flight crew should initiate an AFN Logon. For flights departing from airports adjacent to, or underlying CPDLC/ADS-C Airspace, the pilot should logon prior to departure (within the time requirement) or after departure and above 10,000 feet.

For logon, the flight crew should enter the four character ICAO identifier for the initial FIR/OCA (the first oceanic region) using Gulfstream G450/G550 Aircraft Operating Manual Chapter 2B-33-00.

NOTE: The identifiers for the FIRs are listed in the table below, the State AIP, or the enroute chart. Not all FIRs support non-airline flights.

D. ADS Contracts

When ATC transmits an ADS contract(s), the ADS status changes to ACTIVE on the ATC LOGON/STATUS page. When ADS is ACTIVE, the ADS REVIEW prompt is displayed on the ATC INDEX. See Gulfstream G450/G550 Aircraft Operating Manual Chapter 2B-33-00 Air Traffic Control (ATC).

ADS Periodic (e.g. MET data) and Event (e.g. WPT CHG) Contracts can be viewed on the ADS REVIEW pages. See Gulfstream G450/G550 Aircraft Operating Manual Chapter 2B-33-00 Air Traffic Control (ATC).

Gulfstream

OPERATING MANUAL SUPPLEMENT

GAC-OMS-04

FOR G350, G450, G500 AND G550 AIRPLANES

NOTE: ICAO and seven-character (ADNS) FIR/OCA addresses are listed in the following table. An individual FIR/OCA may issue multiple ADS contracts. This table includes known operational FANS 1/A systems, but may not include all operating regions.

FIR	Country	ATS Provider	Applications Available	AFN Logon	ADNS Address
Abidjan	Cote D'Ivoire	NACA	AFN, CPDLC, ADS	DIII	ABJCAYA
Accra	Gahna	CAA	AFN, CPDLC, ADS	DGAC	ACCFAYA
Algiers	Algeria	NEAS	AFN, CPDLC, ADS	DAAA	ALGCAYA
Anchorage Domestic	USA	FAA	AFN, CPDLC, ADS	PAZA	ANCXFXA
Anchorage Oceanic	USA	FAA	AFN, CPDLC, ADS	PAZN	ANCATYA
Antananarivo	Madagascar	CAD	AFN, CPDLC, ADS	FMMM	TNRCAYA
Atlantico	Brazil	DECEA	AFN, CPDLC, ADS	SBAO	RECOEYA
Auckland	New Zealand	ACNZ	AFN, CPDLC, ADS	NZZO	AKLCDYA
Bangkok	Thailand	Aerothai	AFN, CPDLC, ADS	VTBB	BKKGWXA
Beijing	China	CAAC	AFN, CPDLC, ADS	ZBAA	BJSGWYA
Bodo	Norway	Avinor	ADS	ENOB	DDLVCXA
Brazzaville	Gabon	CAD	AFN, CPDLC, ADS	FCCC	BZVCAYA
Brisbane	Australia	Air Svcs Aus	AFN, CPDLC, ADS	YBBB	BNECAYA
Cairo	Egypt	EHAC	AFN, CPDLC, ADS	HECC	CAICDYA
Canary Is	Spain	AENA	AFN, CPDLC, ADS	GCCC	LPAFAYA
Chennai	India	AAI	AFN, CPDLC, ADS	VOMF	MAACAYA
Chengdu	China	CAAC	AFN, CPDLC, ADS	ZUUU	CTUGWYA
Colombo	Sri Lanka	AASL	AFN, CPDLC, ADS	VCCC	CMBCAYA
Dakar	Senegal	ASECNA	AFN, CPDLC, ADS	GOOO	DKRCAYA

Gulfstream

OPERATING MANUAL SUPPLEMENT

FOR G350, G450, G500 AND G550 AIRPLANES

GAC-OMS-04

FIR	Country	ATS Provider	Applications Available	AFN Logon	ADNS Address
Delhi	India	AAI	AFN, CPDLC, ADS	VIDF	DELCAYA
Edmonton	Canada	NAV Canada	AFN, CPDLC, ADS	CZEG	YEGCDYA
Fukuoka	Japan	JCAB	AFN, CPDLC, ADS	RJJJ	FUKJJYA
Gander	Canada	NAV Canada	AFN, CPDLC, ADS	CZQX	YQXE2YA
Guangzhou	China	CAAC	AFN, CPDLC, ADS	ZGGG	CANGWYA
Harbin	China	CAAC	AFN, CPDLC, ADS	ZYHB	HRBGWYA
Ho Chi Minh	Vietnam	CAA	AFN, CPDLC, ADS	VVTS	SGNGWXA
Hong Kong	HK China	CAD	AFN, CPDLC, ADS	VHHH	HKGCCYA
Honiara	Australia	Air Svcs Aus	AFN, CPDLC, ADS	YBBB	BNECAYA
Jakarta	Indonesia	APII	AFN, CPDLC, ADS	WIII	JAKGWXA
Johannesburg	South Africa	ATNS	AFN, CPDLC, ADS	FAJO	JNBCAYA
Kolkata	India	AAI	AFN, CPDLC, ADS	VECF	CCUCBYA
Kunming	China	CAAC	AFN, CPDLC, ADS	ZPPP	KMGGWYA
Lanzhou	China	CAAC	AFN, CPDLC, ADS	ZLLL	LHWGWYA
Lhasa	China	CAAC	AFN, CPDLC, ADS	ZULS	LXAGWYA
Magadan	Russia	Russia FAA	AFN, CPDLC, ADS	GDXB	GDXGWXA
Manila	Philippines	ATO	AFN, CPDLC, ADS	RPHI	MNLCBYA
Mauritius	Mauritius	CAD	AFN, CPDLC, ADS	FIMM	MRUCAYA
Melbourne	Australia	Air Svcs Aus	AFN, CPDLC, ADS	YMMM	MELCAYA
Mumbai	India	AAI	AFN, CPDLC, ADS	VABF	BOMCAYA
Nadi	Fiji	Apts Fiji Ltd	AFN, CPDLC, ADS	NFFF	NANCDYA
Nauru	Nauru	Air Svcs Aus	AFN, CPDLC, ADS	YBBB	BNECAYA

Gulfstream

OPERATING MANUAL SUPPLEMENT

GAC-OMS-04

FOR G350, G450, G500 AND G550 AIRPLANES

FIR	Country	ATS Provider	Applications Available	AFN Logon	ADNS Address
N'Djamena	Chad	DCA	AFN, CPDLC, ADS	FTTT	NDJCAYA
New York	USA	FAA	AFN, CPDLC, ADS	KZWW	NYCODYA
Niamey	Niger	CAD	AFN, CPDLC, ADS	DRRR	NIMCAYA
Oakland	USA	FAA	AFN, CPDLC, ADS	KZAK	OAKODYA
Reykjavik	Iceland	ICAA	AFN, CPDLC, ADS	BIRD	REKCAYA
Sal	Spain	AENA	AFN, CPDLC, ADS	GVSC	GVSCAYA
Santa Maria	Portugal	NAV Portugal	AFN, CPDLC, ADS	LPPO	SMACAYA
Seoul	Korea	KAA	AFN, CPDLC, ADS	RKTT	SELCAHX
Shanghai	China	CAAC	AFN, CPDLC, ADS	ZSSS	SHAGWYA
Shanwick	UK	UKNATS	AFN, CPDLC, ADS	EGGX	PIKCPYA
Singapore	Singapore	CAAS	AFN, CPDLC, ADS	WSJC	SINCDYA
Sudan	Sudan	CAA	AFN, CPDLC, ADS	HSSS	KRTCDYA
Tahiti	Tahiti	STNA	AFN, CPDLC, ADS	NTTT	PPTCDYA
Tashkent	Uzbekistan	CAA	AFN, CPDLC, ADS	UTTT	TASCAXH
Ulan Bataar	Mongolia	DCA	AFN, CPDLC, ADS	ZMUA	ULNGWXA
Ujung Pandang	Indonesia	DGCA	AFN, CPDLC, ADS	WAAF	UPGCAYA
Urumqi	China	CAAC	AFN, CPDLC, ADS	ZWWW	URCGWYA
Yangon	Myanmar	DCA	AFN, CPDLC, ADS	VYYF	RGNCAYA

Gulfstream

OPERATING MANUAL SUPPLEMENT

FOR G350, G450, G500 AND G550 AIRPLANES

GAC-OMS-04

E. Emergency Operation

When a CPDLC EMERGENCY message is sent, the ADS system will automatically go to Emergency mode. When ADS Emergency mode is activated and a normal periodic contract exists before the creation of Emergency mode, its reporting rate is retained and applied to the default emergency periodic contract. When a normal periodic contract does not exist before the creation of Emergency mode, a default emergency periodic contract will be established. If the AFCS Emergency Descent Mode (EDM) is activated, an Emergency Report MAYDAY will be automatically sent 30 or 60 seconds after EDM becomes active, unless the pilot cancels the emergency report.

NOTE: If ADS EMERGENCY is inadvertently selected on the ATC LOGON/STATUS page, the aircrew should turn ADS EMERGENCY OFF and either send a CPDLC free text message "ADS RESET", or contact ATC via HF radio to cancel the emergency.

Gulfstream

OPERATING MANUAL SUPPLEMENT

GAC-OMS-04

FOR G350, G450, G500 AND G550 AIRPLANES

This page intentionally left blank.