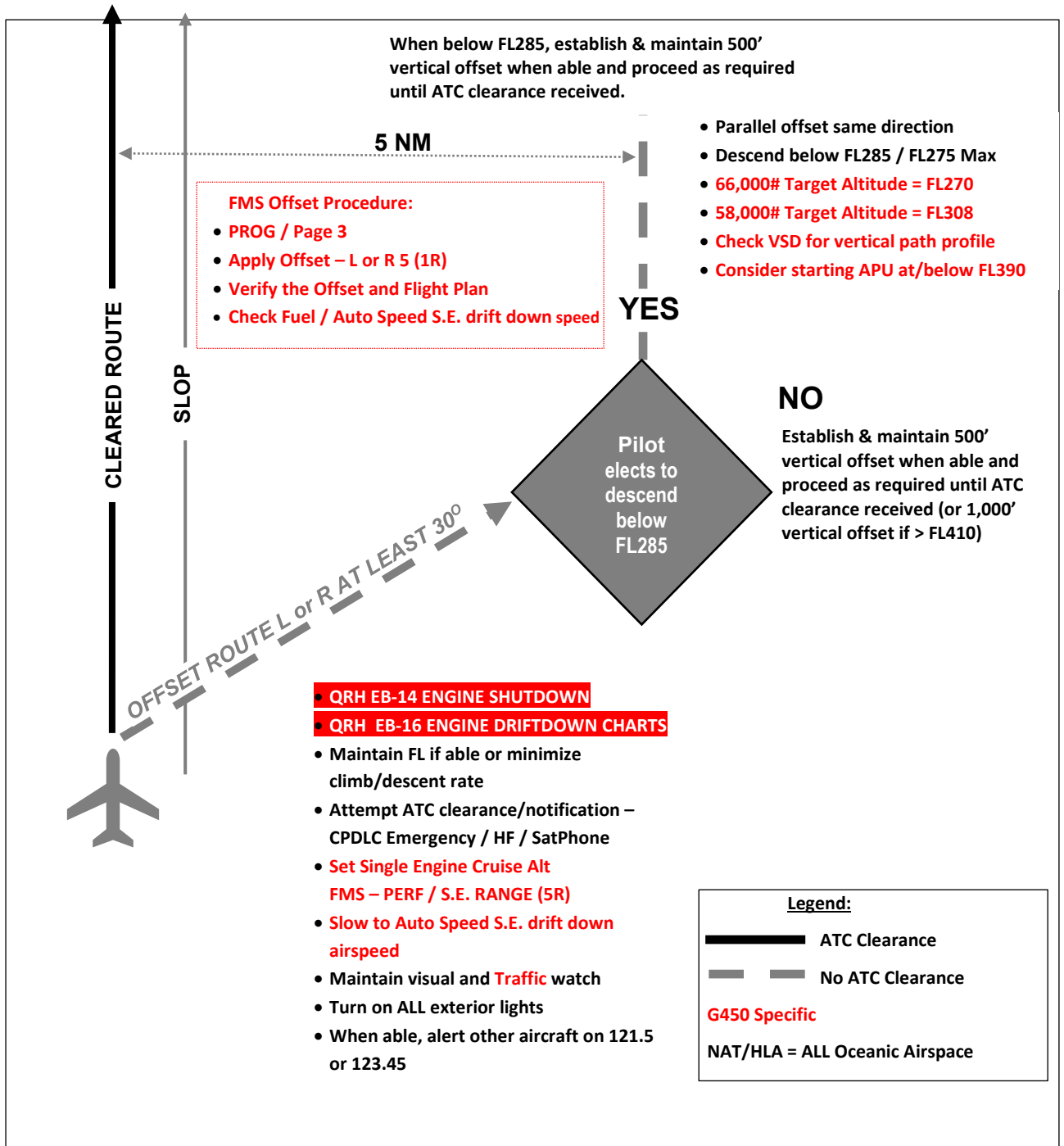


G450 DOC4444 Contingency Procedures – **Worldwide**

DOC 4444 CONTINGENCY PROCEDURE

If prior clearance cannot be obtained, the following contingency procedures should be employed until a revised clearance is received.



Caution

Diversion across the OTS at an offset FL is not recommended. Before initiating any 180° turn-back, maintain a same direction 5NM offset. Climb above FL410 or expedite descent below FL290 prior to crossing adjacent tracks, and/or making a 180° turn-back.

ABOVE FL410 CLB or DES 1000'
AT FL410 CLB 1000' or DES 500'
BELOW FL410 CLB or DES 500'

G450 DOC4444 Contingency Procedures – **Worldwide**

OTS DIVERSION: ACROSS PRIMARY TFC FLOW

If drifting down or descending, **DO NOT** cross tracks until level at an appropriate altitude for crossing tracks. Maintain established offset and expedite Climb above or Descend below the OTS (NAT HLA = FL420-285). Utilize one of the previous procedures until clear of the organized track system.

1. Advise ATC when time permits – Turn on all exterior lights
2. Confirm you are level at an appropriate Offset Altitude

**ABOVE FL410 CLB or DES 1000'
AT FL410 DES 500' or CLB 1000'
BELOW FL410 CLB or DES 500'**

3. Request a clearance and proceed to alternate airport as per your re-clearance, or direct if unable to obtain a clearance.
4. Check Fuel & Determine appropriate speed
5. Maintain extra vigilance for traffic
6. Broadcast FL & Position to nearby traffic on 121.5/123.45

**ALWAYS COMPLETE ALL APPLICABLE CHECKLISTS
FOR ANY SITUATION**

OTS: RETURN & OFFSET

Before initiating any 180° turn-back, consider maintaining a same direction 5NM offset. Expedite climb above or descend below the majority of NAT/HLA or other OTS traffic FL410-290 prior to crossing adjacent tracks or making a 180° turn-back.

1. Advise ATC when time permits – Turn on all exterior lights
2. Determine which way to turn (Consider OTS, Traffic, WX, Turn towards alternate airport)
3. Once established on the 5NM offset, expedite climb above or descend below NAT HLA airspace (FL285-FL420)
4. Turn Left or Right as required 180° to 225° from present course to intercept and re-establish on the offset course

Allow 20nm for 180° course reversal

NOTE: The FMS Offset procedure for a course reversal assumes you have inserted a contingency based turn-back flight plan in the flight plan list.

FMS Procedure:

1. NAV / FPL LIST (1L) – Line select your contingency flight plan
2. Select FPL SEL and ACTIVATE (6R)
3. Confirm Replacing – Select YES
4. Activate appropriate leg
5. PROG, Page 3 / Enter Offset, L or R5 (1R) / ACTIVATE (6R)

Use caution to select the correct offset. The new course line should be very close to your current position.

6. Verify Routing on PFD and Engage LNAV/FMS
7. Confirm appropriate speed and Check Fuel

WEATHER DEVIATION

Obtain ATC Clearance via Datalink/CPDLC/Request if possible. Indicate priority using “Due to WX” checkbox. If unable, contact Radio using “PAN-PAN” x3 or “WEATHER DEVIATION REQUIRED,” as necessary, to establish priority. If ATC advises, “Unable due traffic, state your intentions,” consider declaring an emergency prior to utilizing this procedure.

If unable to obtain a clearance:

1. If possible, deviate away from nearby routes, tracks, or traffic
2. Broadcast FL, position, and intentions to nearby traffic on 121.5/123.45
3. Maintain extra vigilance for traffic – Monitor TCAS
4. Turn on all exterior lights
5. If deviating LESS than 5NM remain at current FL
6. If deviating MORE than 5NM use the table below.

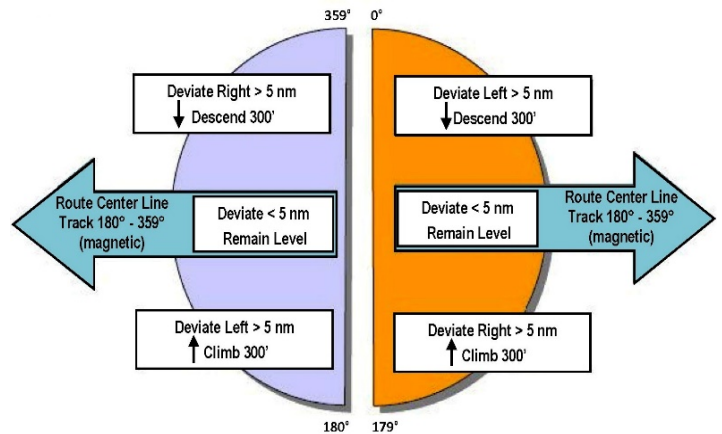
SAND – South Ascend – North Descend

EAST 000° - 179° Mag	Deviating Left	Descend 300'
	Deviating Right	Climb 300'
WEST 180° - 359° Mag	Deviating Left	Climb 300'
	Deviating Right	Descend 300'

6. Return to cleared FL when within 5NM of course
7. Continue broadcasting FL and position
8. Continue to attempt contact with ATC and advise them of your weather deviation.

FMS Procedure

PROG, Page 3 / Enter Offset, L or R XX (1R) / ACTIVATE (6R)



G450 DOC4444 Contingency Procedures – Worldwide

DEPRESSURIZATION / EMERGENCY DESCENT

Manually performing the Emergency Descend Procedure once crew is on O₂ may be the safest course of action in Oceanic Airspace. Monitor for nearby traffic on TCAS.

1. Crew and Passenger O₂ DON/100%
2. AP Disc if EDM Annunciated / Re-engage AP and select HDG and ALT, if necessary. (EDM will re-engage if above FL400)
3. Turn Left or Right as required 30-45° from present course to quickly intercept a point midway between a pair of tracks prior to entering the OTS from above. If not above tracks, establish a 5NM offset
4. Execute **QRH EH-3: Automatic Emergency Descent Mode**
5. Emergency Report will automatically display if EDM is activated. Review and Press Verify/Send.
If not displayed, **Select FMS/NAV/CPDLC/Emergency (1L) – Review/Verify/Send**
6. Advise ATC when time permits - Turn on all exterior lights
7. Maintain extra vigilance for traffic. Monitor TCAS
8. Broadcast FL & Position to nearby traffic on 121.5/123.45

ONE REMAINING NAV SOURCE

1. Assess prevailing circumstance:
 - a. Performance of remaining NAV source
 - b. Remaining portion of flight in NAT/HLA or Oceanic Airspace
2. Exercise good judgment with respect to current situation
 - a. Request clearance above or below NAT/HLA or OTS
 - b. Reverse course
 - c. Divert to use Special Routes (e.g. Blue Spruce)
3. Consult ATC as to the most suitable action
4. Obtain a clearance prior to any deviation from route
5. Ensure monitoring and crosscheck of remaining NAV source.
6. Check main and STBY compass systems against flight plan
7. Attempt visual sighting of other aircraft for position confirmation
8. Advise nearby aircraft at suitable intervals (Nose change?) on 121.5/123.45 “Navigation Failure in-progress, position, FL and Intentions”
9. Contact aircraft in vicinity to obtain useful info: Current Winds, Mag Heading, Drift, etc.

TOTAL NAV FAILURE

1. Notify ATC
2. Make best use of procedures specified above
3. Turn on all exterior lights
4. Maintain extra vigilance for traffic
5. All data required for Dead Reckoning along route is available on Computer Flight Plan.

NAV RELATED CB's

ALL NAV RECEIVERS ARE ON A SINGLE CB

NAV RCVR 1 POP F3
NAV RCVR 2 CPOP F3

COMM FAILURE

1. Check the following:
 - a. Communication Panels (ACPs)
 - b. Volume
 - c. Circuit Breakers POP/CPOP (See list below)
 - d. Boom/Mask/Mic – 121.5 EMER Switch
 - e. Replace microphone and or headset
 - f. Try different frequency
2. Attempt communications on SATCOM
3. Attempt contact via Datalink/CPDLC
4. Squawk 7600
5. Broadcast in the Blind on 121.5/123.45
Remain clear of Oceanic Airspace if able
6. If failure occurs within the Oceanic airspace:

- a. **NAT/HLA** fly route you received in your clearance and maintain your last cleared/assigned flight level and Mach
- b. **PACIFIC OCA** maintain the last assigned speed and level for **60 minutes** after the last **compulsory reporting point** since the failure. **THEN** adjust speed and Altitude in accordance with the **FILED Flight Plan**

7. Rejoin FILED Route after exiting Oceanic Airspace
8. Continue attempts to regain communication

COMM RELATED CB's

PILOT ACP LEER D-17	VHF COMM 1 POP F-6	HF CPLR 1 LEER-E18
COPILOT REER D-6	VHF COMM 2 CPOP F-6	HF CPLR 2 REER E-6
OBSERVER ACP REER D-7	NAV/COM#3 CPOP G-6	HF RX/TX 1 LEER-F18
		HF RX/TX 2 REER F-6

OCEANIC CONTACTS

Verify numbers on Jeppesen Chart

GANDER OCEANIC	SATOM 431603 Oceanic / 431602 Domestic +1-709-651-5324
GANDER RADIO	SATCOM 431613 +1-709-651-5328
SHANWICK OCEANIC	SATCOM 423201 or 425002 +353-61-368-241
SHANWICK RADIO	SATCOM 425002 +353-61-471-199
NEW YORK OCEANIC (NAT)	SATCOM 436695 +1-631-468-1495
NEW YORK OCEANIC (WATRS)	SATCOM 436696 +1-631-468-1495
REYKJAVIK ATC	SATCOM 425103 +354-568-3035
ICELAND RADIO	SATCOM 425105 +354-568-4600
SANTA MARIA RADIO	SATCOM 426305 +351-29-68-86-655
OAKLAND Center	SATCOM 436697 +1-510-745-3415 or 3416
OAKLAND ARINC	SATCOM 436625 +1-907-269-1103
ANCHORAGE Center	SATCOM 436602 +1-907-269-1103
FUKUOKA Center	SATCOM 443101 +81-78-99-36-501
TOKYO Radio	+81-47-63-26-440
TOKYO Radio	+81-47-63-26-440