



GULFSTREAM G280

N484EM, N585PL, N686BE

PILOT'S CHECKLIST

Rev 3.1 Sep, 2023

Prepared to AFM Revision 13, dated 30 Aug 2023



For Preflight Checklists

First Flight items (all items) to be completed when:

1. First flight of the crew duty day
2. More than five (5) hours between engine shut-down and engine start
3. Change in flight crew personnel
4. Maintenance action other than routine line servicing
5. Extreme weather conditions such as: heavy rain, snow, ground icing and extremely cold temperature

For all other flights, complete items as indicated:

- Thru-flight, starting with depowered aircraft
- Bold** Quick turn, aircraft remains powered

Challenge and Response items after Preflight

- * PM challenge, PF respond
- *xxx*** PM challenge, PF and PM respond
- All other items** PM read and respond
- AS REQUIRED** state condition of the item



INTERIOR PRE-FLIGHT INSPECTION

(Pilot Monitoring)

CertificatesCHECK (AVAILABILITY AND VALIDITY)

A/C logbook..... CHECKED

AFM W&B Data..... CHECKED

Personal iPads, PlaneBook updatedCHARGED & CURRENT

Safety Equipment:

Fire Extinguishers (4)CHARGED & SECURED

PBEs (2) CHECKED

Emergency Medical Kit..... CHECKED

AED CHECKED

PED Fire Bag..... CHECKED

Life Rafts (3) CHECKED

- **Galley:**

Galley Stock CHECKED

Coffee, Ice, Catering.....AS REQUIRED

- **Main Cabin:**

General Condition and Cleanliness CHECKED

Passenger Briefing Cards CHECKED

Window Shades OPEN

END

AIRPLANE POWER-UP

- Circuit Breakers..... CHECKED / ALL IN
- LANDING GEAR Lever.....DOWN
- STBY BATT..... ON
- EMER BUSBATT ON
- EMER BUS OFF
- Both BATT..... ON (22-27V)
- Overhead Panel and Pedestal PushbuttonsALL OFF (OUT)

Except:

Both BATT, STBY BATT, both ENG GEN and APU GEN

UTILITY - AC PWR, PHONE, WLAN, & GALLEY ON

PACK..... ON

TEMP CONTROL - COCKPIT and CABIN AUTO

CPCS MODE..... MAN

COCKPIT LTS MASTER..... ON

ATG DATA..... ON

NAV Lights ON

- FIRE SYS TEST COMPLETE
- R FUEL STBY PUMP ON
- APU MASTER..... ON
- APU START PRESS
- APU BLEED AIR..... ON

END

**BEFORE STARTING ENGINES**

- PASSENGER OXYGEN AUTO
- OXYGEN SUPPLY ON
- THERAPEUTIC OXYGEN OFF
- **OXYGEN PRESSURE..... CHECKED**
 - R Crew Oxygen Mask and Boom Mic..... CHECKED
 - Emergency Landing Gear Handle STOWED
 - PARK BRAKESET (1300 PSI MIN)
- SMC HUD MenuEVS ON
- HUD..... DEPLOYED / SET
- ANN LTS CHECKED
- Both ENG ANTI ICE..... AUTO
- ICE DETECT TEST COMPLETE
- WING ANTI ICE AUTO
- CABIN ON
- FUEL INTERCONNECT CHECKED / CLOSED
- FUEL X-FLOW CHECKED / CLOSED
- **Both ENG BLEED AIR ON**
- CPCS MODE AUTO
- PROBES HEATOVRD (15 SEC MAX) then AUTO
- EMER LTS ON.....ON / CHECKED / OFF
- **EMER LTS OFF/ARM ARM**
 - AUTOPILOT..... CHECKED
 - FIRE HANDLES.....IN
- **THRUST LEVERS IDLE**
 - FUEL CONTROL BOTH ENG OFF
- **GUST LOCK.....AS REQUIRED**



- ALTN FLAPS CHECKED
- **STAB TRIM** (ALTN, PRIM)..... **CHECKED / SET**
- **AILERON TRIM** **CHECKED / SET**
- **RUDDER TRIM** **CHECKED / SET**
- SPEED BRAKES RETRACT
- AILERON DISCONNECT Handle..... STOWED
- **NWS** **DISCONNECT**
- L Crew Oxygen Mask and Boom Mic CHECKED
- SMC:
 - STALL TEST COMPLETE
 - TCAS TEST COMPLETE
 - HUD TEST COMPLETE
 - TAWS TEST COMPLETE
 - L & R SENSR Pages AS REQUIRED
- **AVIONICS AND INSTRUMENTS:**
 - **Altimeters** **SET**
 - **FMS** **INITIALIZED / PROGRAMMED / DATALINK INIT**
 - **Performance**..... **CALCULATE**
 - **V-Speeds** **CHECKED / SET**
 - **Landing Field Elevation** **SET / VERIFY**
 - **MAP DATA** **WYPT SPEED & WYPT ALT SELECTED**
- **Fuel** **CHECK** (QTY, DISTRIBUTION, & TYPE)
- Water Heater ON
- Cabin Lighting CONFIGURED
- **Exterior Preflight Inspection**..... **COMPLETE**
- **Crew Brief** **COMPLETE** (AWARE & FA)

END

ENGINE DRY CRANKING

(For start w/in 15 to 180 min of shutdown)

Start Pressure.....**CHECKED** (32 PSI MIN)

HYD EMP**ON**

Engine FUEL CONTROL.....**OFF**

ENGINE CRANK**ON**

Engine START/CRANK.....**START**

After required crank time is achieved (15 Seconds or N2 = 21%)

ENGINE CRANK**DEPRESS TO STOP**

HYD EMP**OFF**

Engine start must be initiated within 3 to 40 minutes of Dry Crank

END

ENGINE START

Dry Crank***AS REQUIRED**

Doors***CLOSED / 2 GREEN**

Cockpit Displays***SET**

GUST LOCK.....***OFF**

PARK BRAKE ***SET** (1300 PSI MIN)

Engine FUEL CONTROL.....***RUN**

FUEL STBY PUMP.....***ON**

HYDRAULIC EMP***ON**

Lights.....***SET**

Start Pressure.....***CHECKED** (32 PSI MIN)

EICAS***CHECKED**

END

AFTER START

Systems and EICAS.....*CHECKED
FUEL STBY PUMPs *OFF then ARMED
HYDRAULIC EMPs *OFF then ARMED
BLEED AIR (ENGs & APU).....*AS REQUIRED
ANTI ICE.....*AS REQUIRED
AUTOBRAKE *RTO
FLAPS*AS REQUIRED
TRIMS *X.X / 0 / 0
FLIGHT CONTROLS.....*CHECKED
NWS *ON
Hydraulics.....*CHECKED (3000 PSI)
Battery AMPS *CHECKED (8/20 AMPS MAX)
Generators *CHECKED (LOAD, VOLTS)
Transponder SET
Passenger Brief..... COMPLETE
Cockpit Displays *SET*
Takeoff Brief and Scan.....*COMPLETE

END

TAXI

Brakes and Steering ***CHECKED***
Thrust Reversers ***CHECKED**
Thrust Mode..... **TO/GA**
PFD Scan (Vspds, FMA, NAV SRC)..... **AS REQUIRED**
T/O Box **CONFIRMED**
Flt Controls **FREE**
Flaps ***AS REQUIRED***
RADAR **ON**
ANTI ICE..... **CHECKED** (130° ± 10°) / **AS REQUIRED**

END

BEFORE TAKEOFF

Cockpit Displays **SET**
WINDSHIELD HEAT **AS REQUIRED**
ANTI ICE..... **AS REQUIRED**
EICAS ***CHECKED***

LIGHTS **SET** (EXTERIOR & CABIN SIGNS)
PROBE HEAT **AUTO or OVRD** (IF ICING CONDITIONS)
Headings ***CHECKED RWY XX***

END



CLIMB

(Non-Flying Pilot Does Silently)

Landing Gear UP

At VSE -10 minimum and accelerating:

Flaps UP

Climb Thrust SET (CLB)

Lights SET

Probe Heat AUTO

Cockpit Displays SET

Pressurization CHECKED

END

TRANSITION

(Not required for flights below transition altitude)

Altimeters *STD*

Windshield Heat ON

Lights SET

APU AS REQUIRED

END

CRUISE

(Not required for flights below transition altitude)

Station Check *COMPLETE*

Station Check includes: Baggage Door, AP On, Panel Sweep, and CPDLC logon

END



DESCENT

Fuel **CHECKED** (QUANTITY & BALANCE)

Landing Field Elevation..... **CHECKED**

FMS Arrival and Approach..... **PROGRAMMED**

HUD Data..... **SET**

Landing Data **BRIEFED**

VTGT = VREF plus ½ the steady headwind component and all the gust factor (min 5 kts, max 20 kts correction). Add 12% to the actual landing distance for each 10 kts above VREF at the threshold.

If the crosswind component is near max demonstrated of 25 knots use Crosswind Landing Procedure AFM XI-2-5.

For wet or contaminated runways see TFS Landing Assessment Matrix.

Autobrakes **AS REQUIRED**

Approach Brief ***COMPLETE**

HUD / EVS ***CHECKED**

Acoustic Curtain **STOWED**

END

TRANSITION

(Not required for flights below transition altitude)

Altimeters..... ***AS REQUIRED***

ANTI ICE..... **AS REQUIRED**

*Ensure wing temp is 100 Deg F minimum prior to extending flaps in Icing conditions.
When Ice Detected message is displayed leave ENG A/I switches in present position.*

Lights..... **SET**

Pressurization **CHECKED**

Interior Doors ***2 GREEN**

END

APPROACH

Avionics ***AS REQUIRED***(SOURCE & COURSE)
Baro Mins ***AS REQUIRED***
Cockpit Displays **SET**
Lights..... **SET**
Passenger Brief..... **COMPLETE**

END

BEFORE LANDING

Landing Gear ***DOWN / THREE GREEN***
Flaps **LND**
Airspeed..... **V_{TGT}**
Lights..... **SET**
EICAS ***CHECKED***

END

GO-AROUND (TWO ENGINE)

TO/GA Button **PRESS**
Airspeed..... **V_{REF}**
Thrust **GO-AROUND THRUST** (IF REQUIRED)
FLAPS **20°**

Once go-around attitude and positive rate of climb are both established with flaps at 20:

Landing Gear **UP**

At safe altitude:

Vertical Mode..... **MAN SPEED / 180 KTS / FLC**

At Airspeed V_{REF} + 20 KTS or greater:

FLAPS **UP**

Thrust **AS REQUIRED**



AFTER LANDING
(Non-Flying Pilot Does Silently)

Timer..... START
Flaps AS REQUIRED
Lights..... SET
Probe Heat AUTO
Windshield Heat OFF
ANTI ICE AS REQUIRED
APU AS REQUIRED

R STBY PUMP ON if starting APU

END

ENGINE SHUT-DOWN

Idle for 3 minutes before shut-down (Including taxi time)

PARK BRAKE *SET
NWS *OFF
Engine FUEL CONTROLS *OFF

BCN..... OFF
Fuel STBY Pumps OFF and NOT ARM

Leave R STBY PUMP ON, if APU is running.

HYDRAULIC EMPs OFF and NOT ARM
PASS WARN LTS OFF (SEAT BELT & NO SMOKE)
WING and ENG ANTI ICE AS REQUIRED
Times and Fuel RECORDED

END



SECURING

PURGE AS REQUIRED
CABIN OFF
EMERGENCY LTS NOT ARM
CPCS MAN
APU STOP PRESS
APU EGT and RPM MONITOR

When APU RPM less than 5%:

APU MASTER OFF
APU BLEED OFF
R FUEL STBY PUMP OFF
EXT LTS OFF (EXCEPT NAV)
Engine Oil Quantity CHECKED (5-30 MINS)
APU Door VERIFY CLOSED
Both BATT OFF
STBY BATT OFF
Gear Pins AS REQUIRED
PARK BRAKE AS REQUIRED
GUST LOCK AS REQUIRED
Emergency Battery CB-1 AS REQUIRED
Emergency Exit Pin AS REQUIRED
Exterior Covers AS REQUIRED
Aircraft Door Locks AS REQUIRED
Exterior Inspection COMPLETE

END



EXTERNAL POWER APPLICATION

Circuit Breakers CHECKED / ALL IN
LANDING GEAR LeverDOWN
FLAP Handle.....VERIFY MATCHES POSITION
SPEED BRAKE Handle.....VERIFY MATCHES POSITION
GPU.....CONNECT then ON
Verify EXT PWR switch annunciator AVAIL
EXT PWR.....ON
Both BATTsON

REMOVING POWER:

CABIN OFF
STBY BATT NOT ARM
EXT PWR..... OFF
Both BATTs OFF
GPU..... OFF then DISCONNECTED

END

**REFERENCE INFORMATION**

WINGSPAN 63'
LENGTH 66.8'
HEIGHT 21.3'
MIN TURN DIAMETER 94.8'
MIN WIDTH FOR 180 DEG TURN 49.5'

TFS RUNWAY CONDITION ASSESMENT MATRIX

Assessment Criteria RCAM			Target Recommended Crosswind Limit (Including Gusts)
Runway Surface Description	RWYCC	Pilot Braking Action	G280 and G600
DRY	6	N/A	G280 25 / G600 30
WET (The runway surface is covered by any visible dampness or water up to and including 1/8 inch (3 mm) depth) Up to and including 1/8 inch (3 mm) depth: SLUSH DRY SNOW WET SNOW	5	GOOD	15-24
Outside Air Temperature -15°C and Colder: COMPACTED SNOW	4	GOOD TO MEDIUM	12-14
SLIPPERY (WHEN) WET (wet runway) DRY SNOW or WET SNOW (any depth) ON TOP OF COMPACTED SNOW Greater than 1/8 inch (3 mm) depth: DRY SNOW WET SNOW Warmer than -15°C outside air temperature: COMPACTED SNOW	3	MEDIUM	10-12
Greater than 1/8 inch (3 mm) depth: STANDING WATER SLUSH	2	MEDIUM TO POOR	0-9
ICE, WET ICE SLUSH ON TOP OF ICE WATER ON TOP OF COMAPACTED SNOW DRY SNOW or WET SNOW ON TOP OF ICE	1 & 0	POOR TO LESS THAN POOR / NIL	N/A

**COCKPIT DISPLAYS**

	SMC 1: MEM				SMC 2: MEM			
MEM 1	DU1		DU2		DU3		MEM 1	
	1/2 PFD	EICAS	1/2 Map	FMS Data	FLT Controls	1/2 PFD		
		SEC EICAS		Doors	Brakes			

	SMC 1: STANDBY				SMC 2: WX			
MEM 2	DU1		DU2			DU3		MEM 2
	3/4 PFD	EICAS	1/2 Map	FMS Data	FLT Controls	1/2 PFD		
				Beed/ANTI ICE	Brakes			

	SMC 1: STANDBY				SMC 2: FLT REF				
	DU1		DU2			DU3			MEM 3
	3/4 PFD	EICAS	1/2 Map	FLT Controls		EICAS	3/4 PFD		
				Brakes					

	SMC 1: STANDBY			SMC 2: AS REQUIRED			
	DU1		DU2		DU3		MEM 4
	3/4 PFD	EICAS	1/2 Map	FMS Data	EICAS	3/4 PFD	
				ECS			

	SMC 1: STANDBY						SMC 2: FLT REF			
	DU1		DU2			DU3			MEM 5	
	3/4 PFD	EICAS	1/2 Map	FLT Controls	EICAS		1/2 PFD			
				Brakes	EVS Video					

	SMC 1: STANDBY						SMC 2: AS REQUIRED			
	DU1		DU2			DU3			MEM 6	
	3/4 PFD	EICAS	1/2 Map	Hydraulics	Bleed/ANTI ICE		1/2 PFD			
				Electrical	Fuel					



EMERGENCY BRIEFING INFORMATION

T. TYPE OF EMERGENCY

- PROBLEM
- PLAN
- CALL FIRESIDE PARTNERS 302-613-2020 (Time Permitting)

E. EXIT PLAN

- MAIN CABIN DOOR
- OVERWING EXITS

S. SIGNALS

- 2 MINUTE
- 10 SECONDS
- "EVACUATE"

T. TIME TO TOUCHDOWN

P. PREPARE PAX

- T.E.S.T.
- ENLIST ABLEBODIED PAX
- RE-SEAT
- BRACE POSITION
- DON LIFE VESTS IF APPLICABLE

R. READY CABIN

- STOW LOOSE ITEMS
- NON-ESSENTIAL POWER
- SECURE CABINETS

E. EVAC/EXIT REVIEW

- BRIEF PAX
- DEMO EXITS
- BRIEF AND TRAIN ABP ON DUTIES
- DEMO LIFE RAFTS IF APPLICABLE

P. PIC REPORT

- ABOVE ITEMS COMPLETE
- ISSUES
- BE SEATED AND BELTED



CREW RESPONSE TO ACCIDENT or INCIDENT

IMMEDIATE ACTIONS

- **Assist Passengers in evacuating AC to safe location**
- **If able, gather needed supplies and medical equipment**
- **Contact 911, MedLink or emergency responders**
- **Attend to immediate medical needs of passengers**
- **Prepare visual distress signals if in remote area, Activate
ELT**
- **Call Fireside Partners 302-613-2020**
 - **Fireside will notify Director, Chief Pilot, DOM, or C3**
- **Proceed to TFS Crew Accident/Incident Response
Guidelines in ARINC docs**



EMERGENCY EVACUATION

PASSENGERS/CREW BRIEF (time permitting)..... T.E.S.T.
ATCADVISE
PARK BRAKE..... SET
Speed Brake.....VERIFY RETRACTED
Both FUEL CONTROLS OFF
APU MASTER (if running)..... OFF
EMER LTS ON
Immediate Area..... DETERMINE BEST ESCAPE ROUTE
Main Entrance Door / Emergency Exit.....OPEN AS REQUIRED

If engine fire is suspected:

Both Fire HandlesPULL
Affected Engine Fire Handles ROTATE FULLY TO DISCH1/DISCH2
NOTE: To discharge fire bottles into both engines, rotate both handles in the same direction (either both left or both right).
Both BATTs OFF
STBY BATT OFF
Passenger Evacuation INITIATE

If engine fire is not suspected:

Both BATTs OFF
STBY BATT OFF
Passenger Evacuation INITIATE

Refer to previous page for Crew Response to Accident or Incident