

Gulfstream IV

OPERATING MANUAL

06-05-50: VFR Approach

1. Normal Approach:

A. Procedure:

The following procedure should be used as a standard whenever possible:

(1) Downwind Leg:

Complete the In Range checklist or other appropriate traffic pattern checklist. Set flaps at 20°, and establish 160 KCAS. Abeam landing runway, extend landing gear and complete Before Landing checklist.

(2) Base Leg:

Maintain 160 KCAS.

(3) Final Approach:

After becoming established on final approach, at glideslope intercept, ILS or visual, select flaps to 39°. Fly final approach at $V_{REF} + 10$ knots. Approaching runway threshold (approximately 200 feet AGL), disconnect autopilot and autothrottle (if on), and reduce power to cross threshold at V_{REF} .

2. Single-Engine Approach:

A. Procedure:

(1) Complete the Before Landing checklist.

(2) Leave flaps at 20° until landing is assured.

(3) Maintain an approach speed of V_{REF} for 20° Flaps +10 knots.

(4) When landing is assured, select flaps to 39° (DOWN). If landing is not assured at 300 feet AGL, land with 20° flaps.

NOTE:

Autothrottle will not be available. Use of a single thrust reverser is permitted. If directional control becomes difficult, cancel reverse thrust.

06-05-60: No Flap Approach

1. General:

Practice no flap approaches and landings are normally limited to simulator training or, in the airplane, to a go-around executed at runway threshold. No flap landings are not recommended due to the unnecessarily high stress imposed on the tires and the landing gear. If a full stop no flap landing is accomplished, it is recommended that a minimum runway length of 7,000 feet must be available.

A. Procedure:

(See Figure 8.)

The following procedure is recommended for no flap landings:

(1) On downwind leg, extend the landing gear, complete the Before Landing checklist, and maintain a speed of $V_{REF} + 20$ knots.

(2) Turn base leg, and roll out on final approach at approximately four (4) miles from touchdown and 1,000 feet AGL. Continue to maintain a speed of $V_{REF} + 20$ knots.

Gulfstream IV

OPERATING MANUAL

- (3) On final approach, slow to $V_{REF} + 10$ knots and maintain a sink rate of approximately 600 feet per minute.
- (4) Cross the threshold at V_{REF} and fly the airplane onto the runway (do not hold off). Use reverse thrust and braking as required.

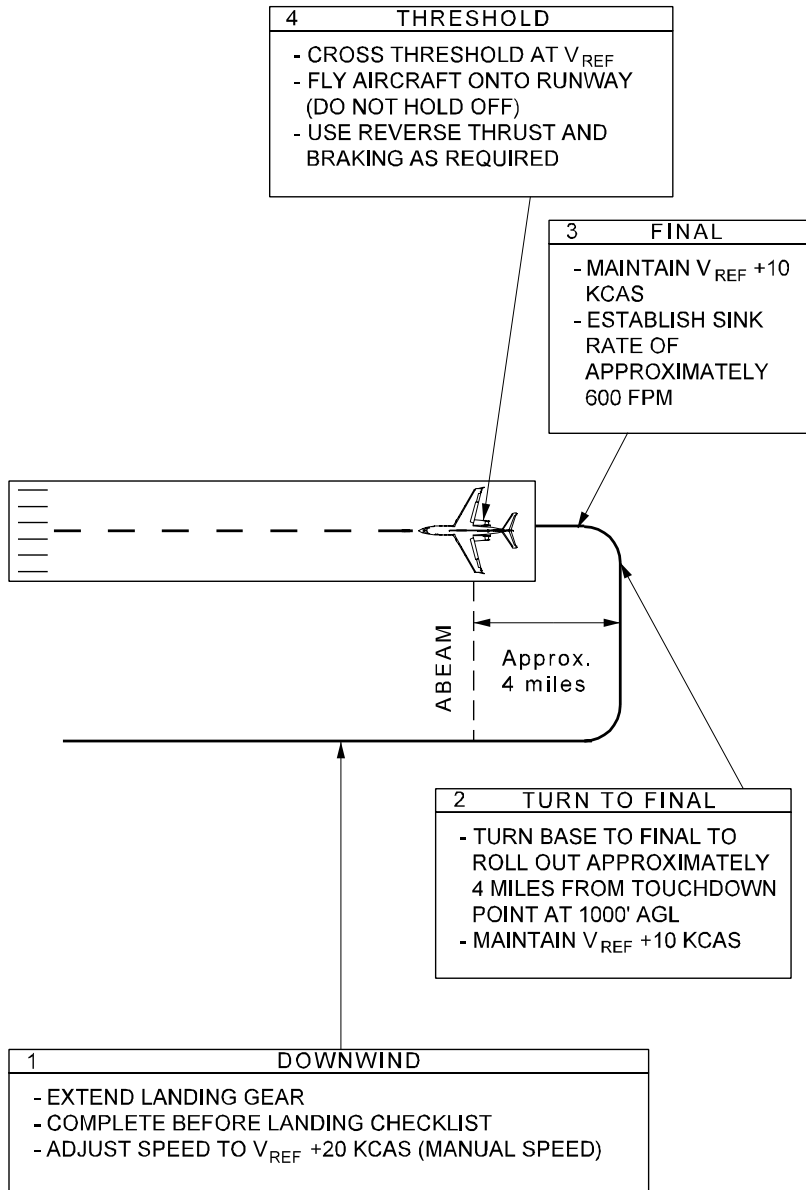
06-05-00

Page 16
May 30/02

**GROUND / FLIGHT CHARACTERISTICS AND
PROCEDURES**

Gulfstream IV

OPERATING MANUAL



25810C01

No Flap Approach
Figure 8