

# Boeing 777F Quick Reference Guide

## Taxi (Dep.)

- Breakaway no more than 35% N1
  - Little thrust required to keep movement going
  - Should roll at idle thrust
  - 90° turns, no more than 10kts GS ~ Sweet spot of 6-8kts
  - Both engines can be started at same time.
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## Takeoff

- Flaps 5 (200ER) / Flaps 15 (LR, W, F)
  - Advance PWR to 55% N1 before applying T/O PWR
  - Positive Rate - **Gear up**
  - Initial pitch 15° nose up at a rate of  $\approx 2.5^\circ/\text{second}$
  - **Gusty Winds:** A higher takeoff power setting than normal is recommended
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## Acceleration Alt. (1000ft AFE)

- Lower nose to 10°
- Retract to Flaps 1
- Set Climb Thrust

## Climb

- 250kts to 10,000ft
  - Cruise CLB Spd: 320kts until or @FL280 (2000-3000fpm)
  - >FL280, M0.82 until cruise
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## Cruise

- M0.84 – M0.87
- Heavy departures  $\geq 662,000\text{lbs}$  [300,278kgs] no higher than FL330
- Do not go above FL380 unless lighter than 557,000lbs [252,651kgs]

## Fuel Planning

- Hour 1:  $\approx 13,000\text{lbs}$  [5,897kgs] (higher due to weight and climb to alt)
- Hour 2+:  $\approx 12,000\text{lbs}$  [5,443kgs]

## Descent

- M0.82 until FL280. Reduce to 295kts.
- Reduce to 270kts passing FL180
- Reduce to 250kts below 15,000ft
- Reduce to 240kts below 13,500ft. SPD brakes may be required if heavy

## Arrival Planning

- Landings lights ON @ 10,000ft
- Better to be slowed down sooner than later.
- Anticipate aircraft to accelerate with power idle for rates 2000ft/min and greater
- Plan well ahead

## Arrival (Configure)

- Downwind or 12nm out and below 255kts, Flaps 1
  - Prior IAF, slow 235kts and Flaps 5
  - $\geq 25\text{nm}$ , slow 215kts and Flaps 15
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## Glideslope Capture

- Base or GS, Gear down, Flaps 20, ARM Speed brake
- Slow to 160kts @ GS Intercept and add Flaps 25/30 (flap preference)
- $\approx 1500\text{ft AGL}$ , Verify configured for landing

## Landing

- Land no slower than 125kts
  - $\approx 58\%$  N1, 1-3° Nose up
  - At 20ft, slightly raise nose to lower descent rate.
  - Hold pitch and slowly reduce power to idle.
  - Power idle at “10 feet” callout
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## Reversers & Taxi (Arr.)

- @80kts, Reduce to Idle.
- @60kts, Reversers Stowed
- Clean up flaps, spoilers, lights and start up APU.