

# Single-Pilot Resource Management (SPM)

## What is SRM?

- Managing Resources
- Setting Priorities
- Anticipation of “What’s Next”
- A Structured Approach to Flying:
  - “Flying by the Numbers”
  - Approach Briefing and Set-up
  - Utilization of Standard Operating Procedures

## “Flying by the Numbers”

	PITCH +	POWER =	PERFORMANCE	
			AS	VS
Vy Climb	+12	Full	101	Max
Approach Level*	+1	17" MP	100-110	0
Precision Descent*	-2	11" MP	100-110	-500 FPM
Non-precision Descent*	-4	9" MP	100-100	-1000 FPM

\*With Flaps 50%

## Approach Briefing

- Methodical way of quickly and efficiently reviewing all the information on the approach plate
  - Proceed top to bottom, left to right
- After review of entire approach plate, memorize items needed on final approach segment (FAF to MAP):
  - MDA/ DA
  - What defines MAP
  - First stages of missed approach procedure

**1. Frequencies**

**2. Briefing Strip Information**

**3. Missed Approach**

**4. Notes, pay special attention to PCL info**

**6. Plan View, with Emphasis on Expected Transition**

**7. Profile View, Step-down by Step-down**

**8. Descent Angle and VS, Time to MAP**

**10. Minimums**

**5. MSA, Highest and Close-in Obstacles**

**9. Approach Lights**

**11. Re-review/ Memorize**

- MDA/ DA
- MAP
- Beginning of Missed Approach Procedure

Altitude	Category	Frequency
118.37	UNICOM	118.37
135.7	COMM-FREQ	135.7
194.4	UNICOM	194.4
1600	UNICOM	1600
1600	UNICOM	1600
787	UNICOM	787

Altitude	Category	Frequency
1900	UNICOM	1900
1960	UNICOM	1960

## Approach Checklist (Mnemonic)

“ARRC” →

### 5 T's

- Turn
- Time
- Twist (Course)
- Throttle (Slow Down or go Down)
- Talk

- **ATIS/ AWOS**
- **Review**
  - Memorize- How low? How far? Which way? (MDA/ DA, MAP, Missed Procedure)
- **Radios**
  - PFD, MB, Comm., VLOC, GPS
  - VLOC Based Approach:
    - AUX- GPS 1
    - Marker Beacon- ON
    - Comm.- Tower/ CTAF in Standby
    - VLOC- Tuned, Identified, CDI to VLOC mode, Inbound Course Set
    - GPS- Approach Activated
  - GPS Based Approach:
    - Comm.- Tower/ CTAF in Standby
    - VLOC- Tuned for Missed/ Backup
    - GPS- Approach Activated, CDI to GPS
- **Checklist**
  - Mixture Rich, Boost Pump On, Brakes Checked, Lights On (Aircraft and PCL)