

Exercise 15 – Advanced Turning

Steep Turns

Unusual Attitude Recovery

Ex 15 (PART 1) – STEEP TURNS – P1

AIM: FLY LEVEL STEEP TURNS AT 45° ANGLE OF BANK ONTO SPECIFIC HEADINGS



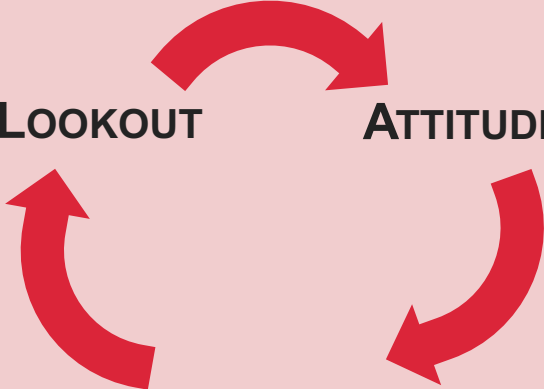
T THREATS: OTHER AEROPLANES, DISORIENTATION, TERRAIN
E ERRORS: OVERBANKING, SPIRAL DESCENT, LOSS OF CONTROL
M MANAGEMENT: LOOKOUT, ANCHOR POINT, HASELL CHECKS

- BEFORE ENTRY: HASELL CHECK
 - HEIGHT
 - AIRFRAME
 - SAFETY AND SECURITY
 - ENGINE T's & P's
 - LOCATION
 - AIRFIELDS
 - BUILT UP AREAS
 - CLOUDS & CONTROLLED AIRSPACE
 - DANGER AREAS
 - LOOKOUT

Ex 15 (PART 1) – STEEP TURNS – P2

AIM: FLY LEVEL STEEP TURNS AT 45° ANGLE OF BANK ONTO SPECIFIC HEADINGS

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ENTRY LOOKOUT	MAINTAIN LOOKOUT	RECOVERY BACK TO S&L LOOKOUT
<p>BANK – AILERONS – 45°</p>  <p>BALANCE – RUDDER</p>  <p>BACK PRESSRE – ELEVATOR</p> <p>POWER – ADD 200 RPM</p>	<p>BANK – AILERONS – 45°</p> <p>BALANCE – RUDDER</p> <p>BACK PRESSURE – MAINTAIN HEIGHT</p> <div><p>LOOKOUT</p><p>ATTITUDE</p><p>INSTRUMENTS</p></div>	<p>ANTICIPATE – 1/3 AOB = 15°</p> <p>BANK – ROLL WINGS LEVEL</p> <p>BALANCE – RUDDER</p> <p>BACK PRESSURE – RELAX</p> <p>POWER – REDUCE 200 RPM</p>

Ex 15 (PART 2) – RECOVERY FROM UNUSUAL ATTITUDES

AIM: RECOVER AIRPLANE FROM UNUSUAL ATTITUDE TO STRAIGHT AND LEVEL AT SAFE SPEED

T THREATS: OTHER AEROPLANES, DISORIENTATION, TERRAIN
E ERRORS: OVER STRESSING AEROPLANE, SPIRAL DESCENT, LOSS OF CONTROL
M MANAGEMENT: LOOKOUT, ANCHOR POINT, HASELL CHECKS

- BEFORE ENTRY: HASELL CHECK
 - HEIGHT
 - AIRFRAME
 - SAFETY AND SECURITY
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Ex 15 (PART 2) – RECOVERY FROM UNUSUAL ATTITUDES

AIM: RECOVER AIRPLANE FROM UNUSUAL ATTITUDE TO STRAIGHT AND LEVEL AT SAFE SPEED

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POWER	ROLL	PITCH
SPEED INCREASING = CLOSE THROTTLE	AILERON – ROLL WINGS LEVEL	ELEVATOR – PITCH TO LEVEL / CLIMBING ATTITUDE
SPEED REDUCING = FULL POWER	RUDDER - BALANCE	IAS APPROACHING CRUISE / CLIMB SPEED, SET POWER
SPEED STABLE = LEAVE ALONE		LEVEL OFF AT SAFE ALTITUDE