PROPOSAL SCHEDULE PS

PS 1. FIGURE "M"

MA ascends vertically to 2m and stops. MA flies backwards and stops over flag 1 (2). MA then flies a 180° pirouette in either direction. MA ascents to 7m and stops. Then MA flies another 180° pirouette in either direction. MA descends at 45° and stops 2m above the helipad. MA ascends 45° to 7m and stops over flag 2 (1). MA flies a 180° pirouette in either direction. MA descends and stops at 2m. MA makes another 180° pirouette in either direction. MA flies backwards and stops over the helipad. MA descends and lands on helipad.

PS 2. SEMI CIRCLE

Model Aircraft takes off vertically to 2m and stops. MA flies backward to flag 1(2) and stops. MA then performs a semi circle to 5m radius to above the flag 2(1) and stops. MA backs up 5m, stops and hovers over helipad. MA descends and lands on helipad.

PS3. DIAMOND

MA ascends vertically to 2m and stops. MA ascends backwards 2.5m in a straight line and stops over flag 1(2). MA flies a 180° pirouette in either direction. MA ascends sideways 2.5m in a straight line and stops over helipad. MA descends sideways 2.5m in a straight line and stops over flag 2(1). MA flies a 180° pirouette in either direction. MA descends 2.5m in a straight line and stops at 2m over helipad. MA descends to helipad and lands.

PS4. CUBAN 8

Model Aircraft flies straight and level for a minimum of 10m and performs a 5/8 inside loop. When MA is in 45º descent and inverted it performs a half roll in either direction to upright and enters a ¾ inside loop. When the MA is again in 45º descent and inverted it performs a second half roll in either direction and finishes the first partial loop in upright attitude. MA flies 10m straight and level exit.

PS5. PULLBACK

Model Aircraft flies straight and level for 10m and enters the manoeuvre by pulling up into a vertical ascent after passing the centre line. After MA comes to a stop the MA accelerates with a 90º pushed travelling flip to backward flight at constant altitude. A straight line is perform followed by another 90º pushed travelling flip to a vertical nose down stop. MA then continues by descending on a path that mirrors the entry path. After the descent, MA transitions to same heading and altitude as at the start of the manoeuvre. MA continues for 10m to finish the manoeuvre.

PS6. COBRA WITH ¾ PUSHED FLIP

Model Aircraft flies straight and level for 10m and enters the manoeuvre by pulling up into a 45º climb. After a 10m minimum straight segment MA makes a 270º backwards stationary flip before it enters a 45º dive and after a 10m minimum straight segment recovers at starting altitude in level flight for 10m to finish manoeuvre.

PS7. CANDLE WITH HALF PUSHED FLIP

Model Aircraft flies straight and level for 10m and enters the manoeuvre by pulling up into a 10m (minimum) vertical ascent. MA performs a half pushed travelling flip such that the first half occurs during the ascent and the second half occurs during the descent. MA goes into a vertical descent to same altitude as entry. MA continues for 10m to finish the manoeuvre. Note: MA must be horizontal at the top.

PS8. TWO ROLLS

Model Aircraft flies straight and level for a minimum of 10m. Execute a roll in either diretion followed by a recognisable upright straight segment, followed by a second roll in same diretion. Manoeuvre is completed with 10m straight and level flight.

PS9. LOOPING INSIDE

Model Aircraft flies straight and level for 10m minimum entry. MA performs an inside loop. Manoeuvre is completed with 10m straight and level flight.

PS10. AUTOROTATION

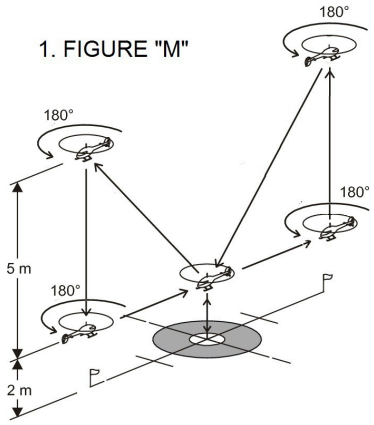
Model Aircraft flies at a minimum altitude of 20 m. The engine power must be reduced to idle (or off) and descend to the helipad.

Scores criteria for this autorotation landing:

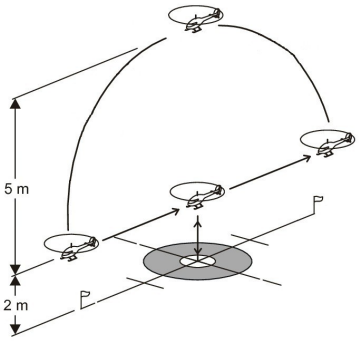
Rotor shaft points to inside 1 m circle: 10 points
Rotor shaft points to inside 3 meter circle: 7 points
Rotor shaft points to inside 10 m square: 3 points
Rotor shaft points to outside 10 m square: 0 points

DIAGRAMM SCHEDULE “PS”

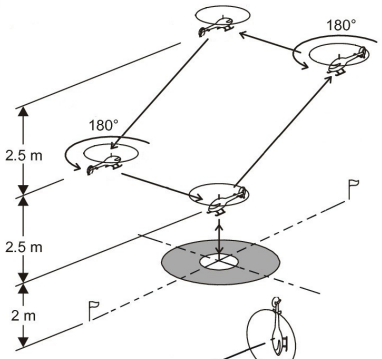
1. FIGURE "M"



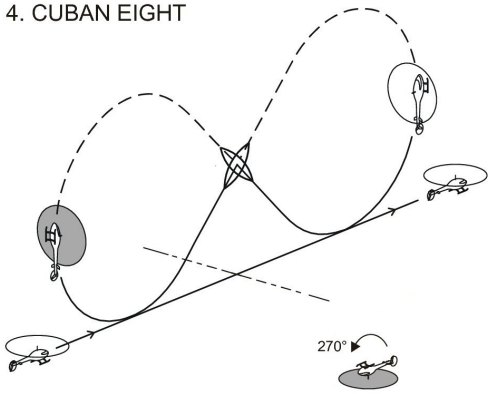
2. SEMI CIRCLE



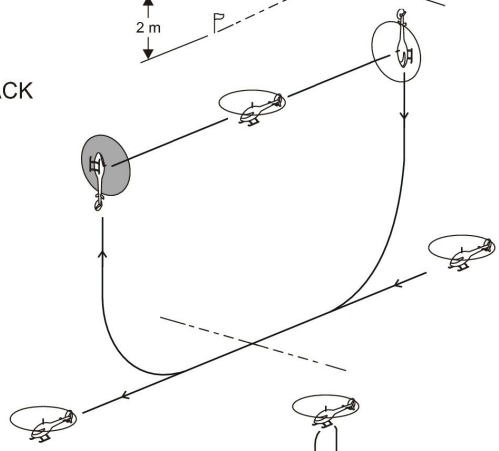
3. DIAMOND



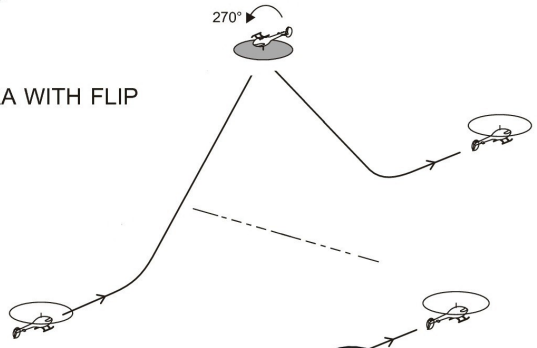
4. CUBAN EIGHT



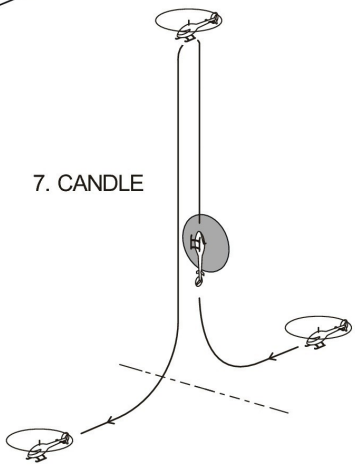
5. PULLBACK



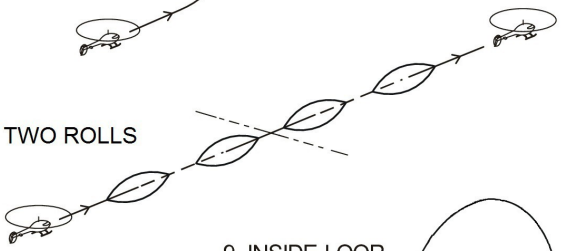
6. COBRA WITH FLIP



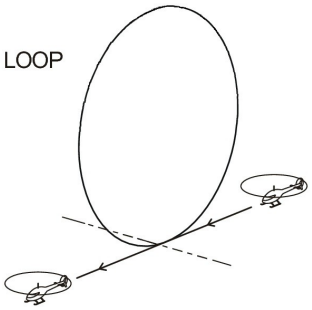
7. CANDLE



8. TWO ROLLS



9. INSIDE LOOP



10. AUTOROTATION