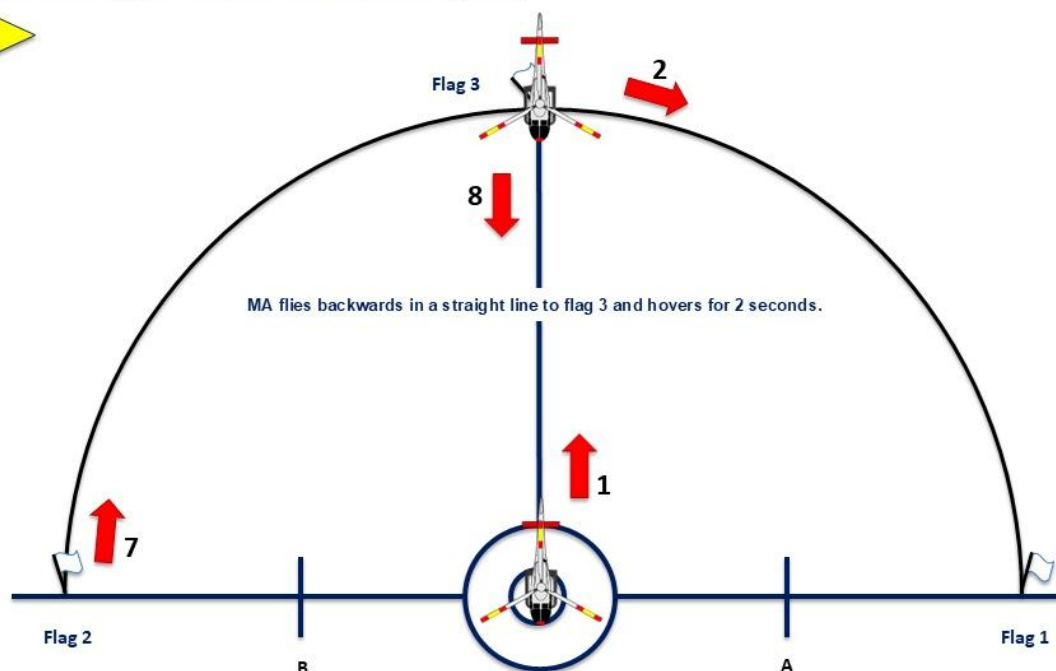


F2 : 3D Triangle With Pirouettes (UU)

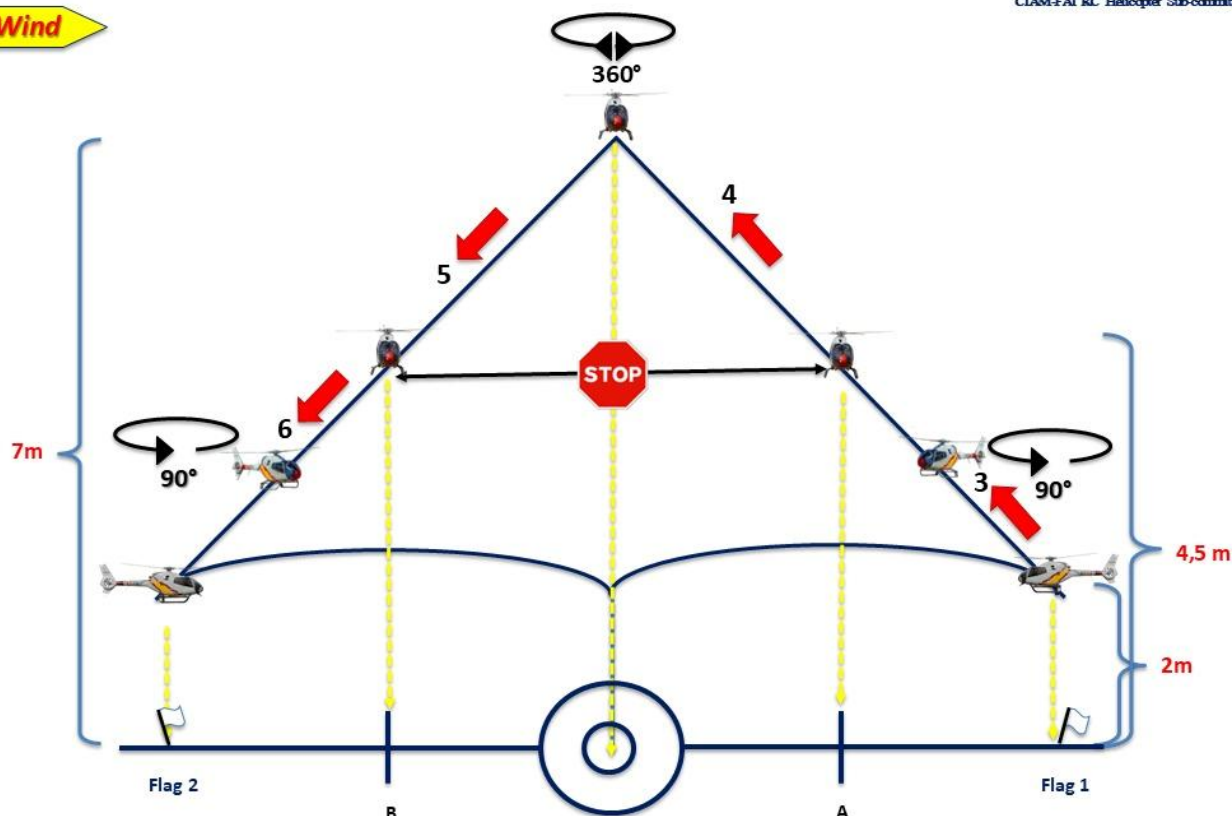
Wind



F2 : 3D Triangle With Pirouettes (UU)

Wind

FIAMFAI RC Helicopter Sub-committee



Presentation created by Eladi LOZANO and LACÔME Roger

Unofficial description

Reminder in 5d.1: During the hovering manoeuvres all stops must be of 2 seconds minimum duration (unless specified otherwise).

F2: 3D Triangle with Pirouettes (UU)

K=1.5

Specificity: after hovering over flag 3 the MA can move either to the left or right.

- MA takes off from the helipad, ascends vertically to 2 m while simultaneously performing a 90° pirouette nose to judges' line, stops and hovers.
- MA flies backwards in a straight line, stops over flag 3 and hovers.
- MA flies laterally to the left (right) and performs a quarter circle with a radius of 5m, the nose to the centre of the helipad, stops over the flag 1(2) and hovers.
- MA ascends on a 45° straight line to 4.5m while simultaneously performing a 90° pirouette nose to judges' line, stops over the intermediate marker "A" and hovers.
- MA continues its lateral ascent on a 45° straight line to 7m, stops over the helipad and hovers.
- MA performs a 360° pirouette in any direction for a minimum of 3 seconds, stops and hovers.
- MA descends laterally on a 45° straight line to 4.5 m, stops over the intermediate marker "B" and hovers.
- MA descends laterally on a 45° straight line to 2m while simultaneously performing a 90° pirouette nose to the helipad, stops over flag 2(1) and hovers.
- MA flies laterally to the left (right) and performs a quarter circle with a radius of 5m, the nose to the centre of the helipad, stops over the flag 3 and hovers.
- MA flies forward in a straight line, stops over the centre of the helipad and hovers.
- MA descends vertically while simultaneously performing a 90° pirouette right(left) and lands on the helipad.

Comments next page:

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Reflections; this manoeuvre (figure) has several drawbacks:

- The helicopter moves away to within 20 m of the judges' line; at this distance, it is impossible for the central judge to determine whether the MR is on marker 3 or not, for judges 2 and 4 it is hardly better, only judges 1 & 5 can roughly assess the stop.

Conclusion: You shouldn't focus too much on stopping above flag 3 if the stop is 20/30 cm before or after the flag it will not be as visible as a classic stop above the F1 flag for example.

Regarding the half-circles, it's no better; the judges can't verify if the curve is consistent from start to finish. All pilots at this level know how to execute a lateral half-circle with their nose pointed towards the centre of the helipad. The only point that can be verified with 100% certainty is stopping over the F1/F2 flags.

Regarding the triangle, following the first World Cup in Switzerland, all the pilots executed all the manoeuvres perfectly.

Conclusion: This figure is not really selective and training should not pose too many difficulties.

Réflexions, cette manœuvre (figure) présente plusieurs défauts :

L'hélicoptère s'éloigne à 20 m de la ligne des juges ; à cette distance, il est impossible pour le juge central de déterminer si le MR se trouve ou non sur le marqueur 3, pour les juges 2 et 4 c'est guerre mieux, il n'y a que les juges 1 & 5 qui peuvent à peu près évaluer l'arrêt.

Conclusion: Il ne faut pas trop se focaliser sur l'arrêt au-dessus du drapeau 3 si l'arrêt est 20/30 cm avant ou après le drapeau cela ne sera pas aussi visible qu'un arrêt classique au-dessus du drapeau F1 par exemple.

Conclusion: This figure is not really selective and training should not pose too many difficulties.

Concernant les half-circles, ce n'est pas mieux les juges ne peuvent pas vérifier si la courbe est régulière du début à la fin. Tous les pilotes à ce niveau savent faire une translation latérale en demi-cercle avec le nez pointé vers le centre de l'héliport. Le seul point qui est vérifiable à 100% c'est l'arrêt au-dessus des drapeaux F1/F2.

Concernant le triangle, suite à la première World Cup en Suisse, tous les pilotes ont exécutés toutes les manoeuvres à la perfection.

Conclusion: Cette figure n'est pas vraiment sélective et l'entraînement ne devrait pas trop poser de difficultés.

Thanks for your interest