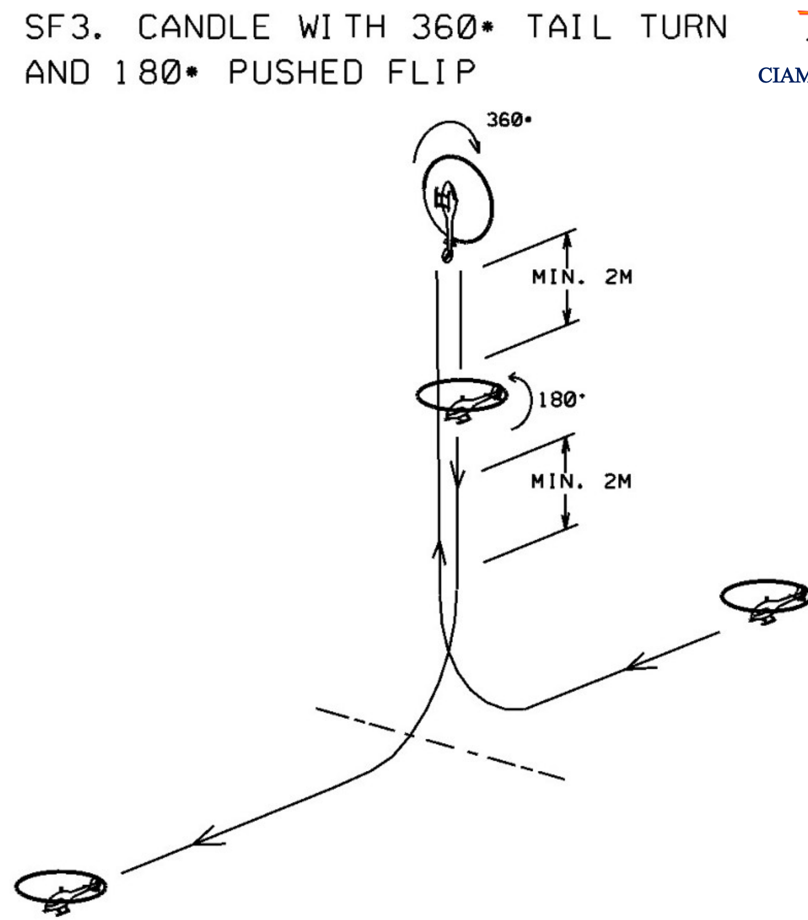
FAI

CIAM F3 Helicopter Sub-committee

Program “SF”
2026/2027
Maneuver SF3
Candle with 360º tail turn and 180º pushed flip (UU

Presentation Created by Roger Lacôme and Eladi Lozano



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SF3: Candle with 360° Tail Turn and 180° pushed Flip (UU)

K=1.0

MA flies straight and level for a minimum of 10 m and pulls up into vertical ascent on center line by doing a quarter loop. MA then performs a 360° tail turn, descends minimum 2 m vertically backwards and performs a 180° pushed flip while descending vertically.
MA descends minimum 2 m vertically forward, pulls with a quarter loop into horizontal straight and level flight for a minimum of 10 m at the same altitude as when entering the figure.

Note 1: The quarter loops at the entrance and the exit of the figure must have the same radius.
Note 2: The vertical lines before and after the 180° flip must be of equal length.

SF3 Candle with 360° tail-turn and 180° pushed flip (UU)

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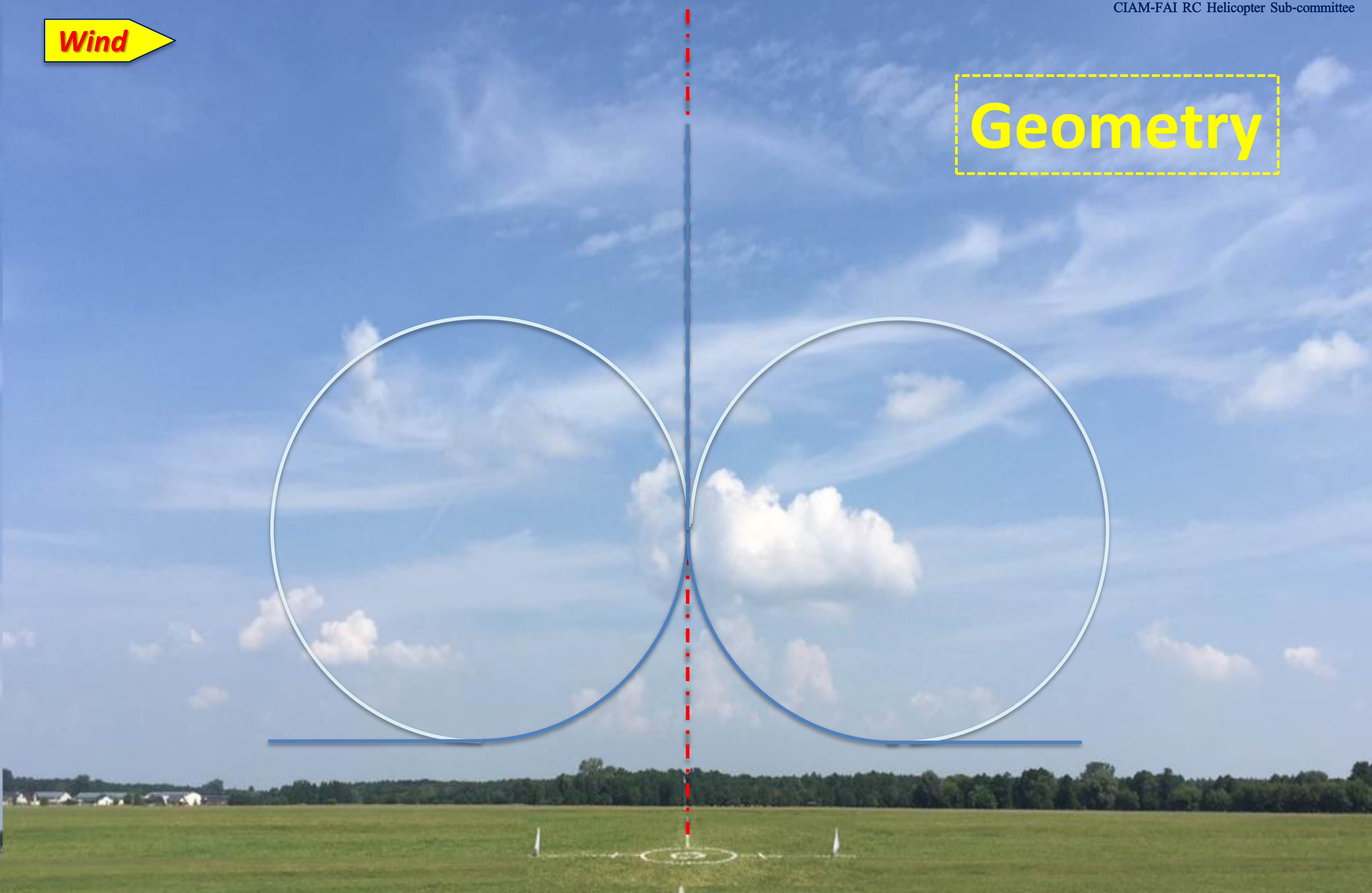

SF3 Candle with 360° tail-turn and 180° pushed flip (UU)

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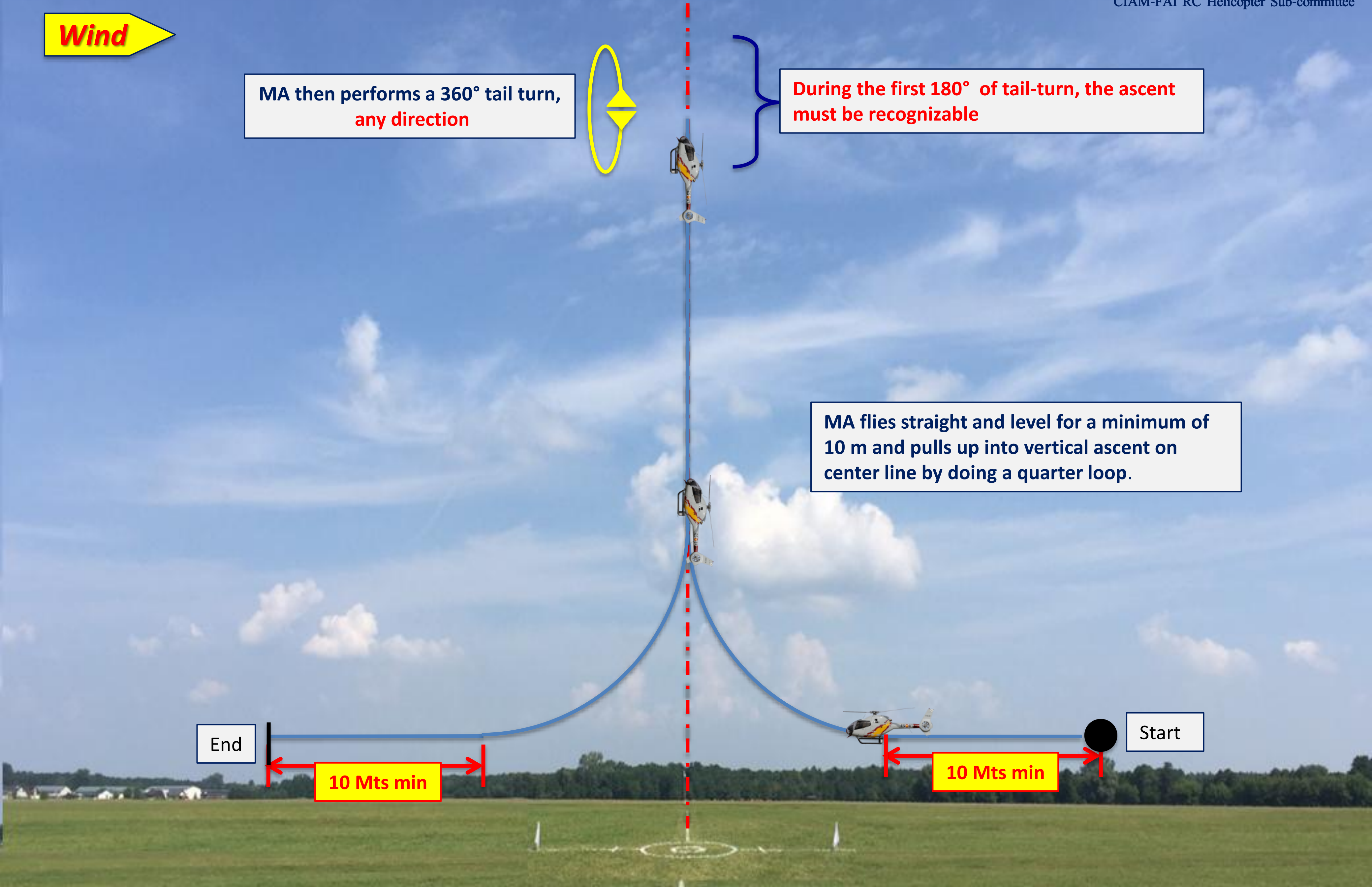

SF3 Candle with 360° tail-turn and 180° pushed flip (UU)

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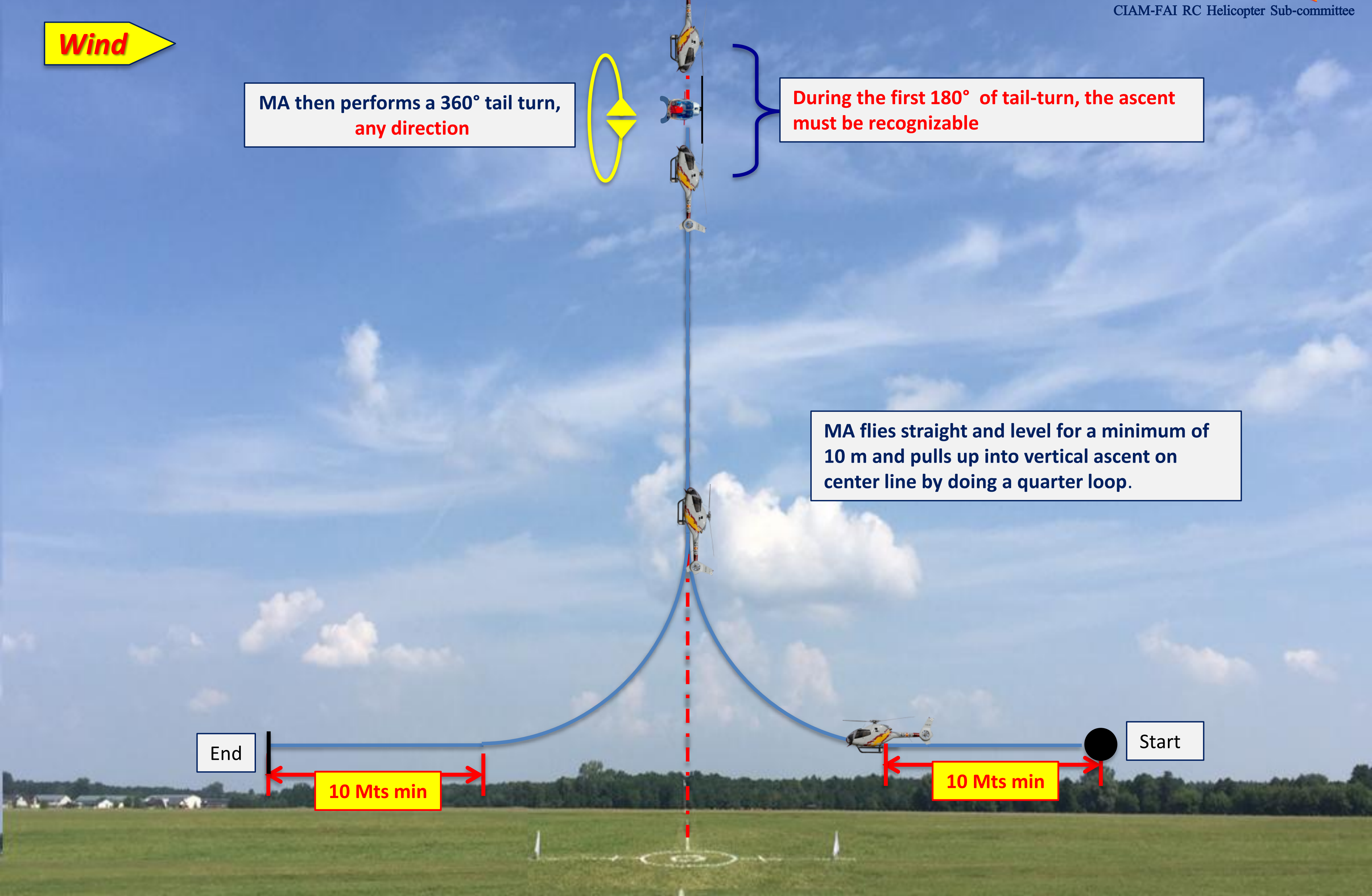

360° Tail-Turn in any direcction

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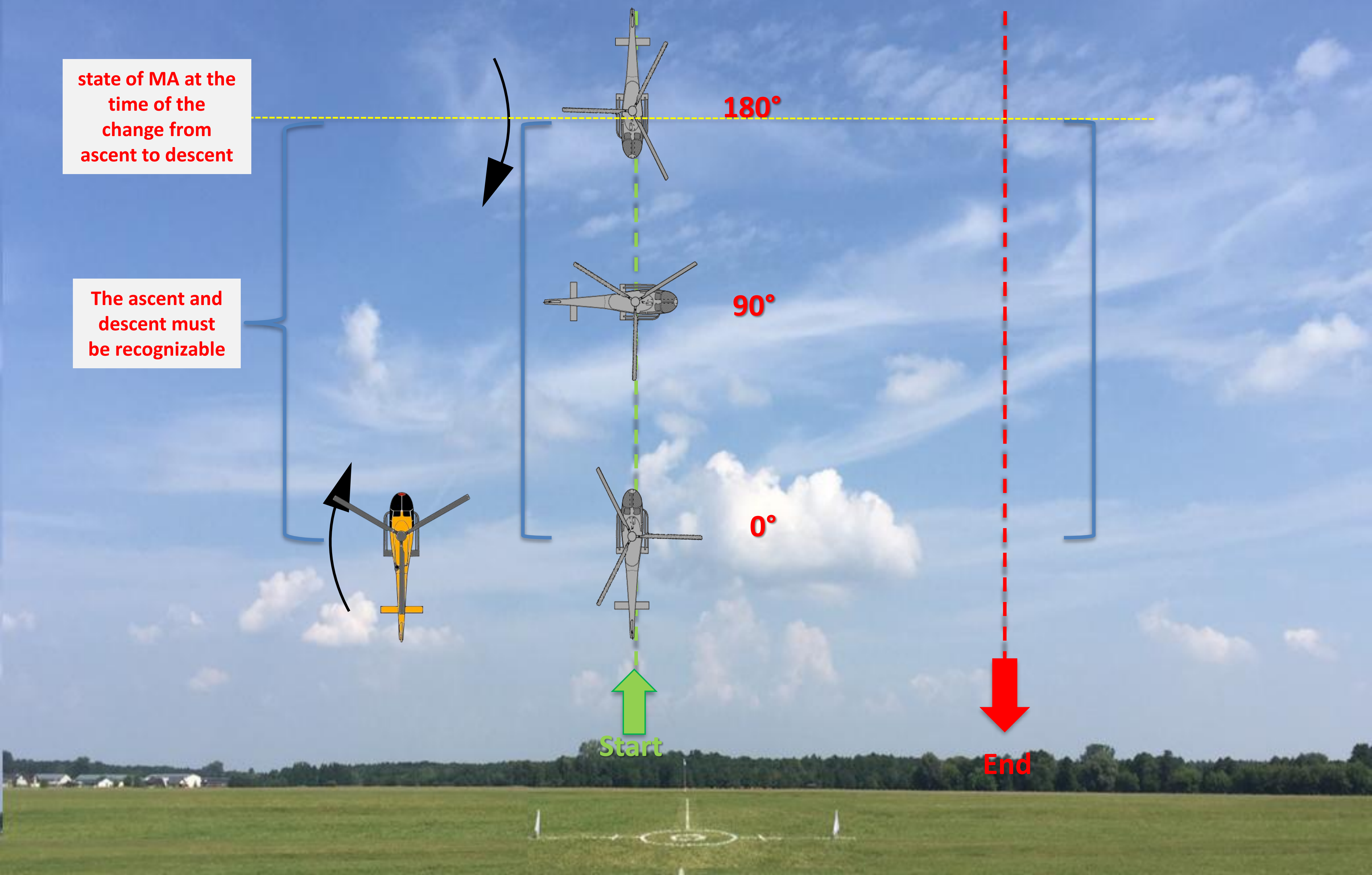

SF3 Candle with 360° tail-turn and 180° pushed flip (UU)

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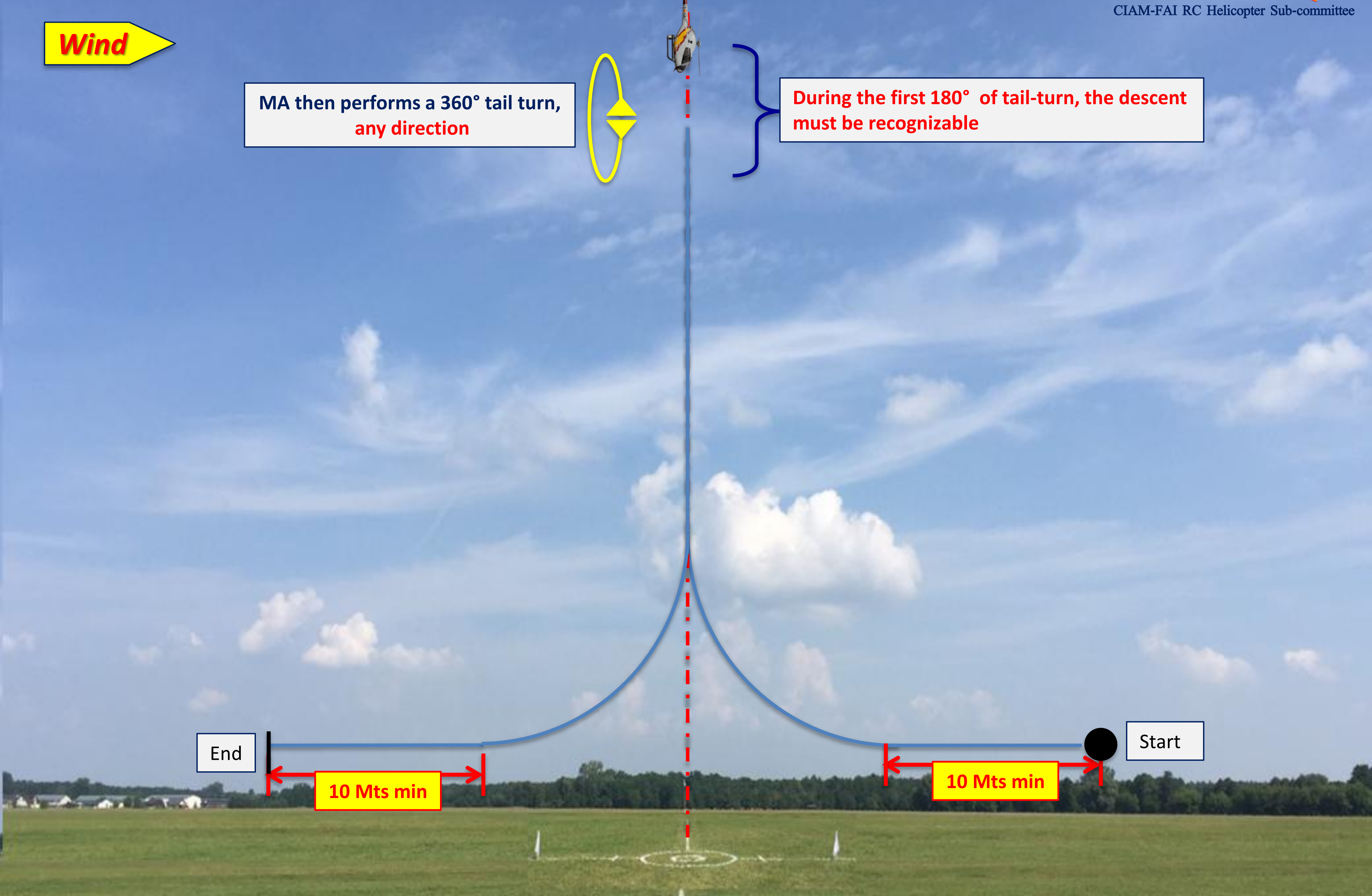
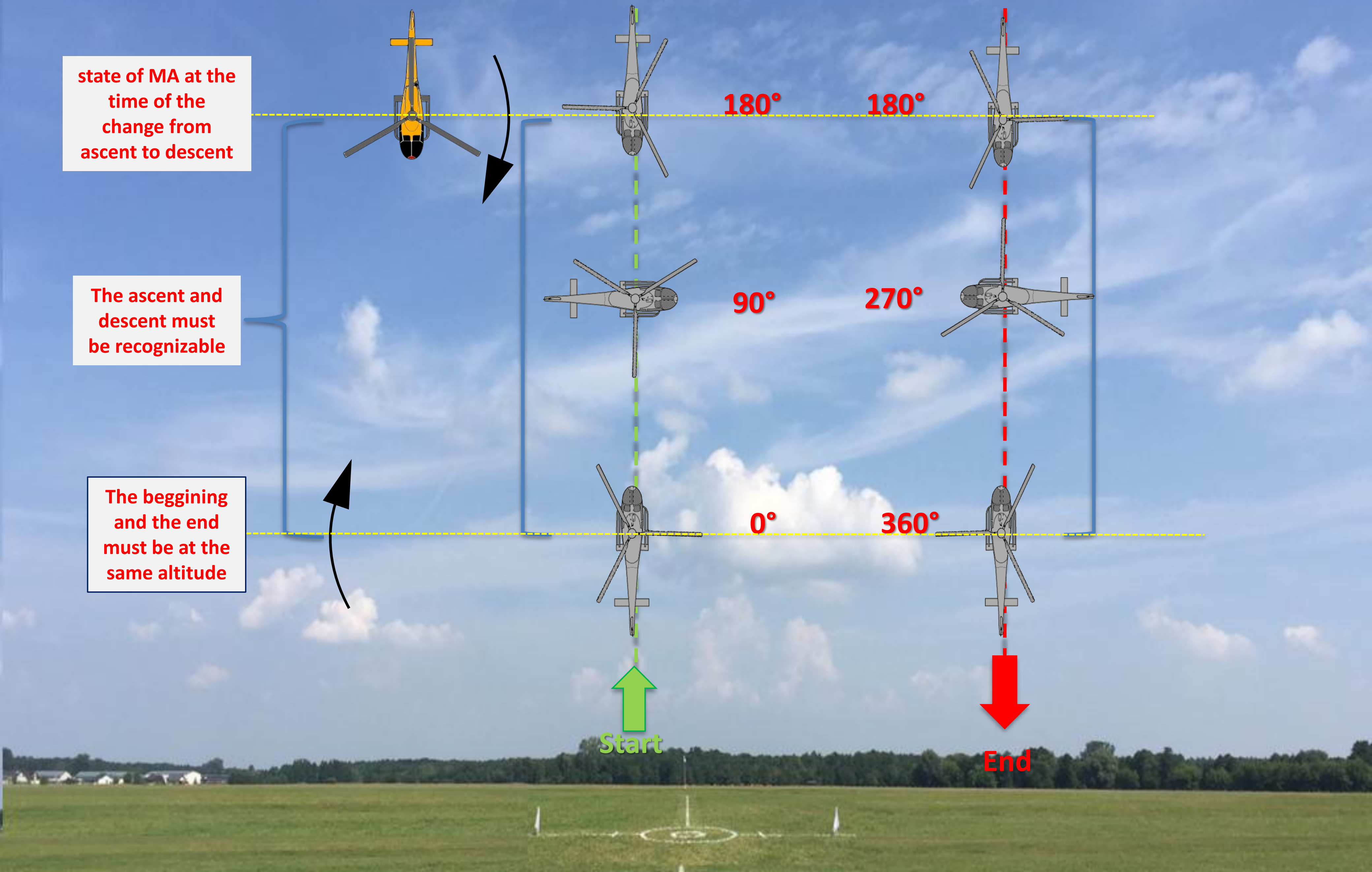


360° Tail-Turn in any direcction



SF3 Candle with 360° tail-turn and 180° pushed flip (UU)

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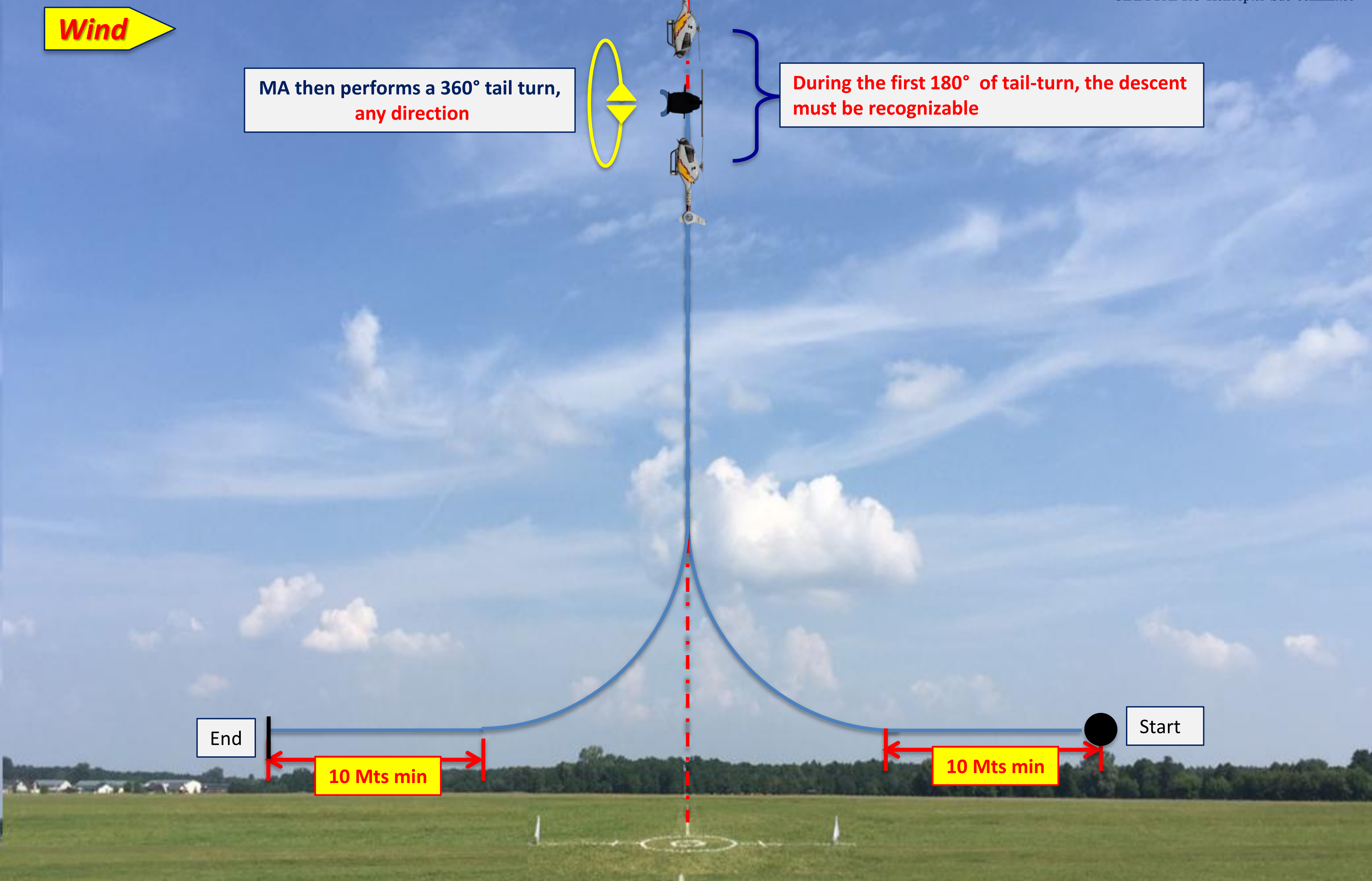
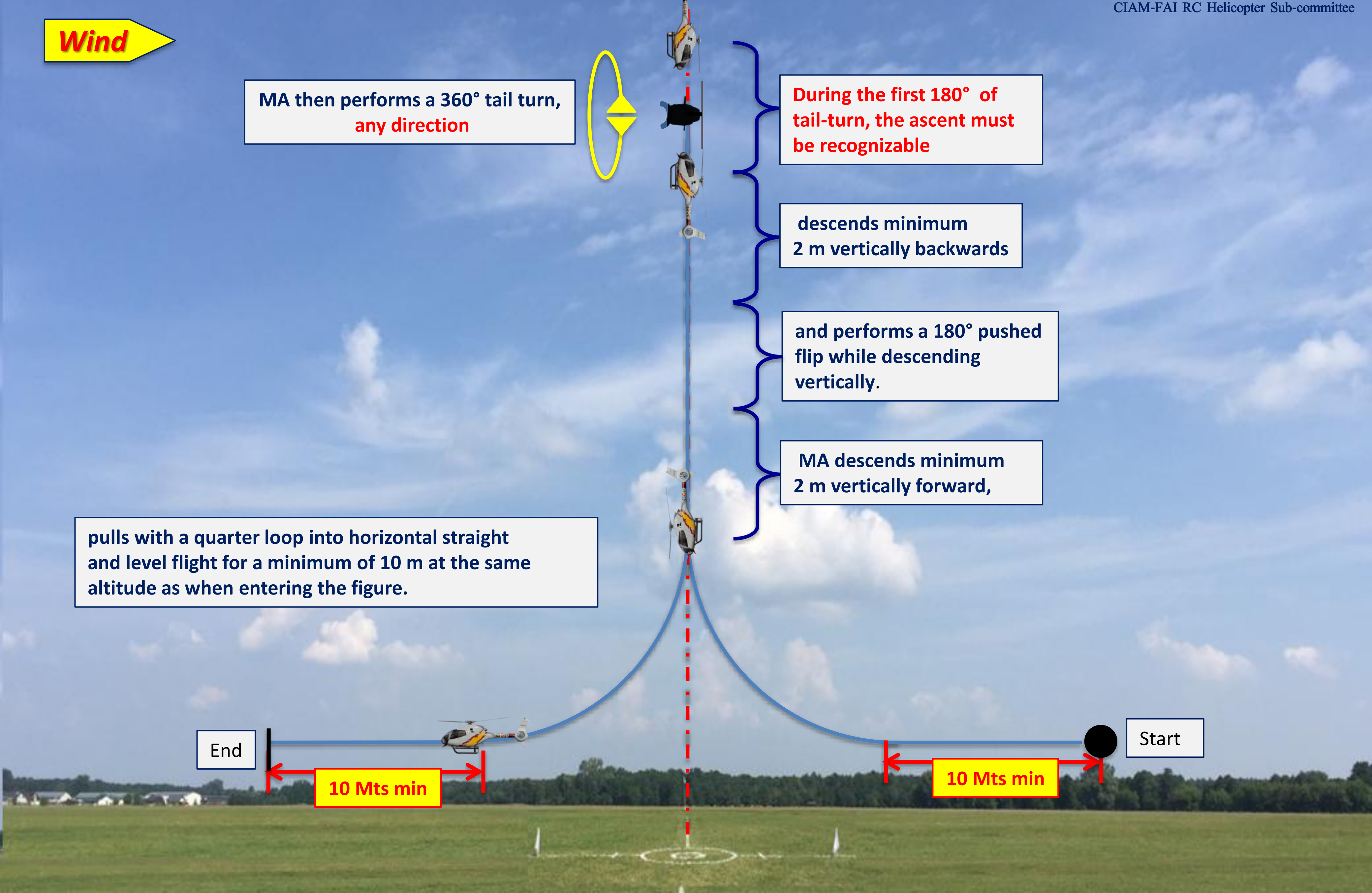
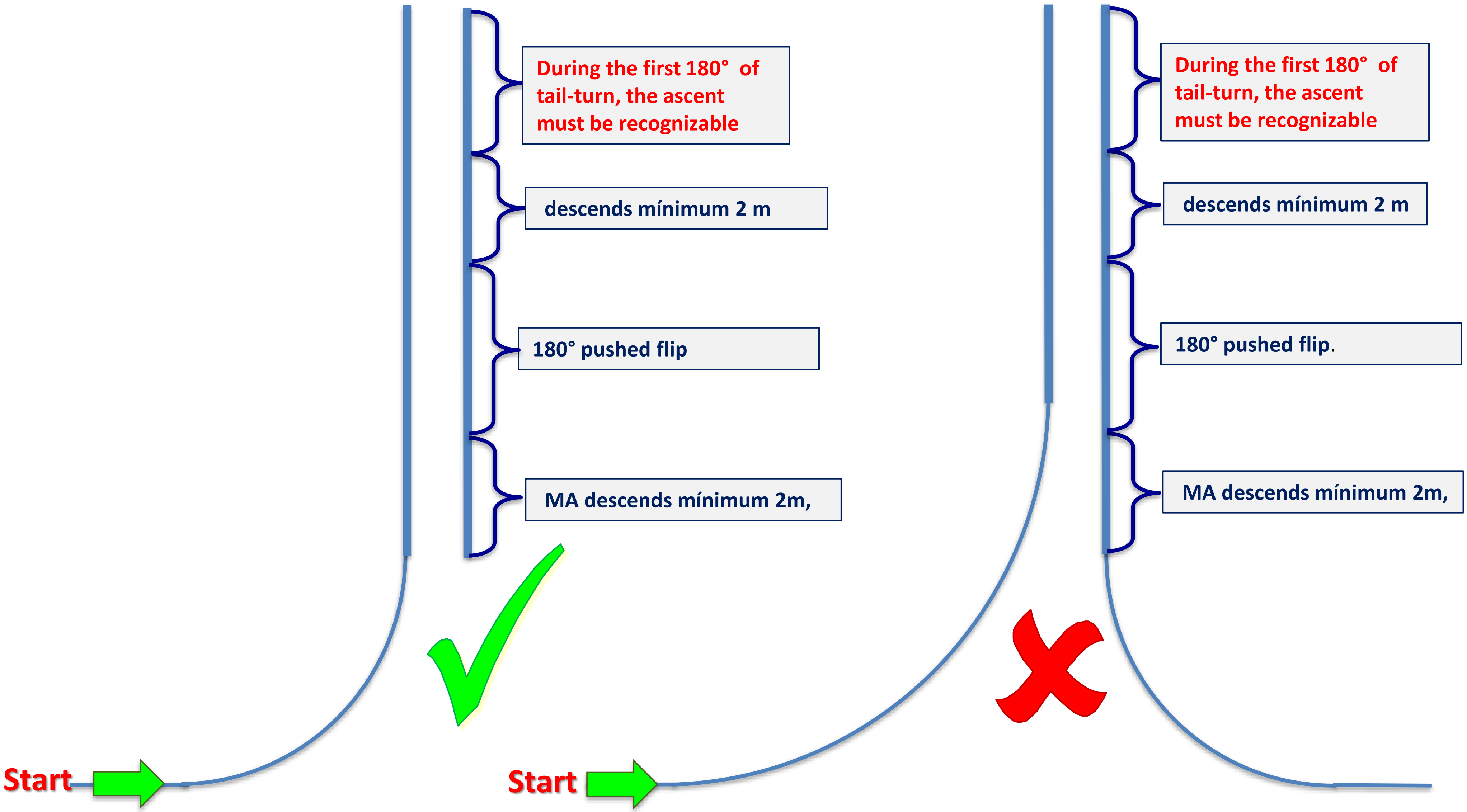


SF3 Candle with 360° tail-turn and 180° pushed flip (UU)

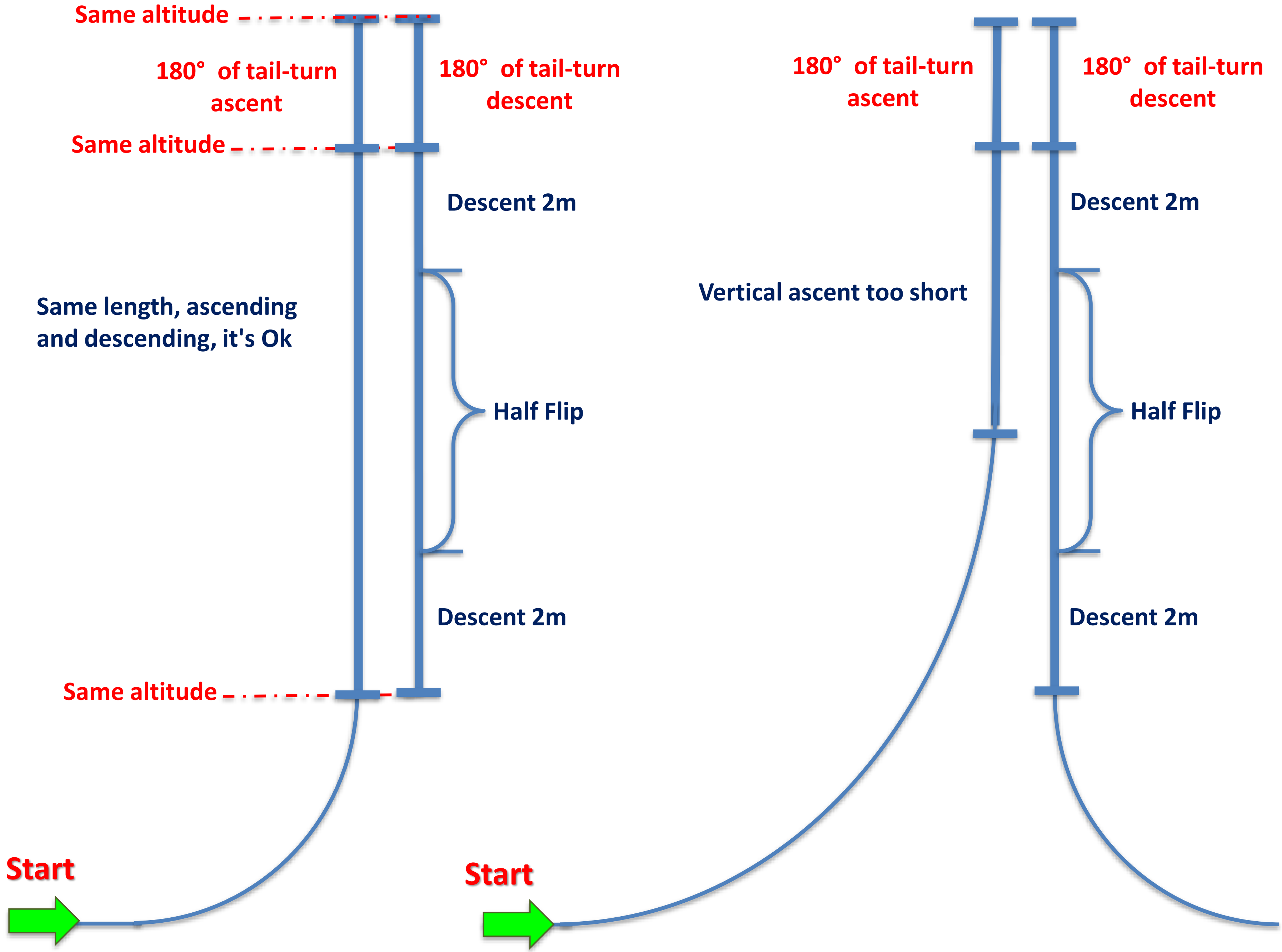


SF3 Candle with 360° tail-turn and 180° pushed flip (UU)



The length of the vertical ascent must at least be the same length as that descent with the 3 manoeuvres.

SF3 Candle with 360° tail-turn and 180° pushed flip (UU)



SF3 Candle with 360° tail-turn and 180° pushed flip (UU)

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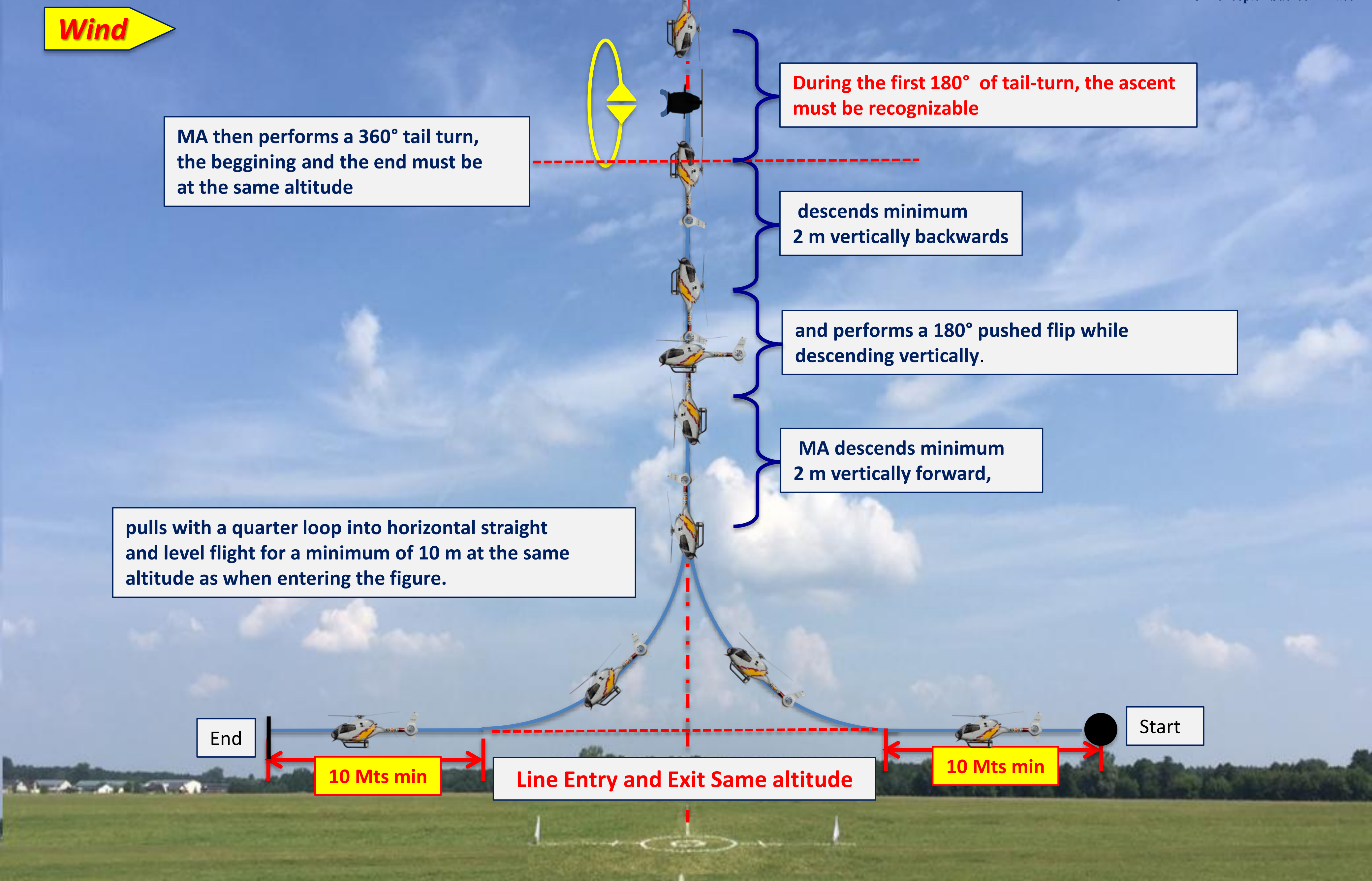

SF3 Candle with 360° tail-turn and 180° pushed flip (UU)

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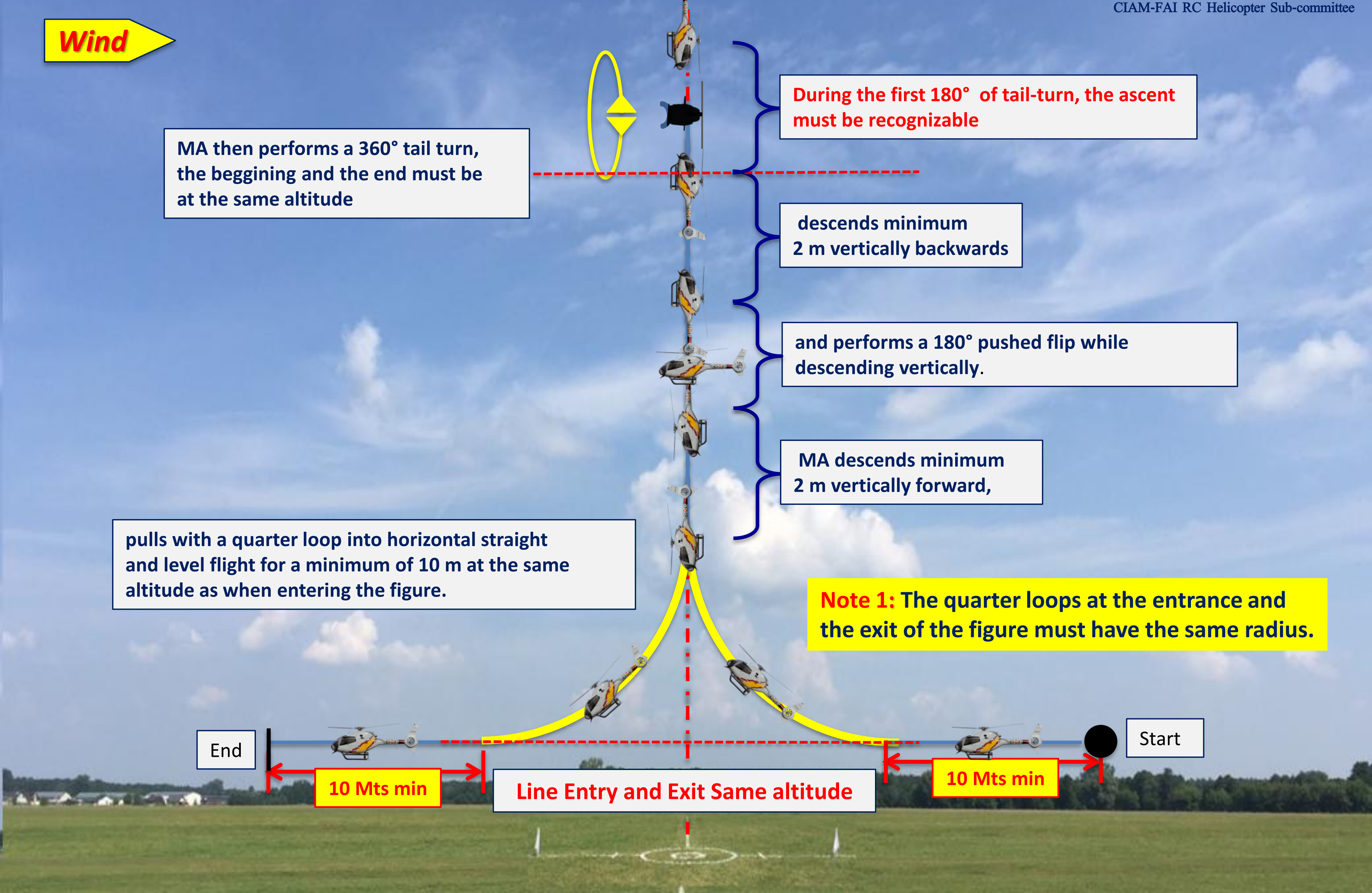

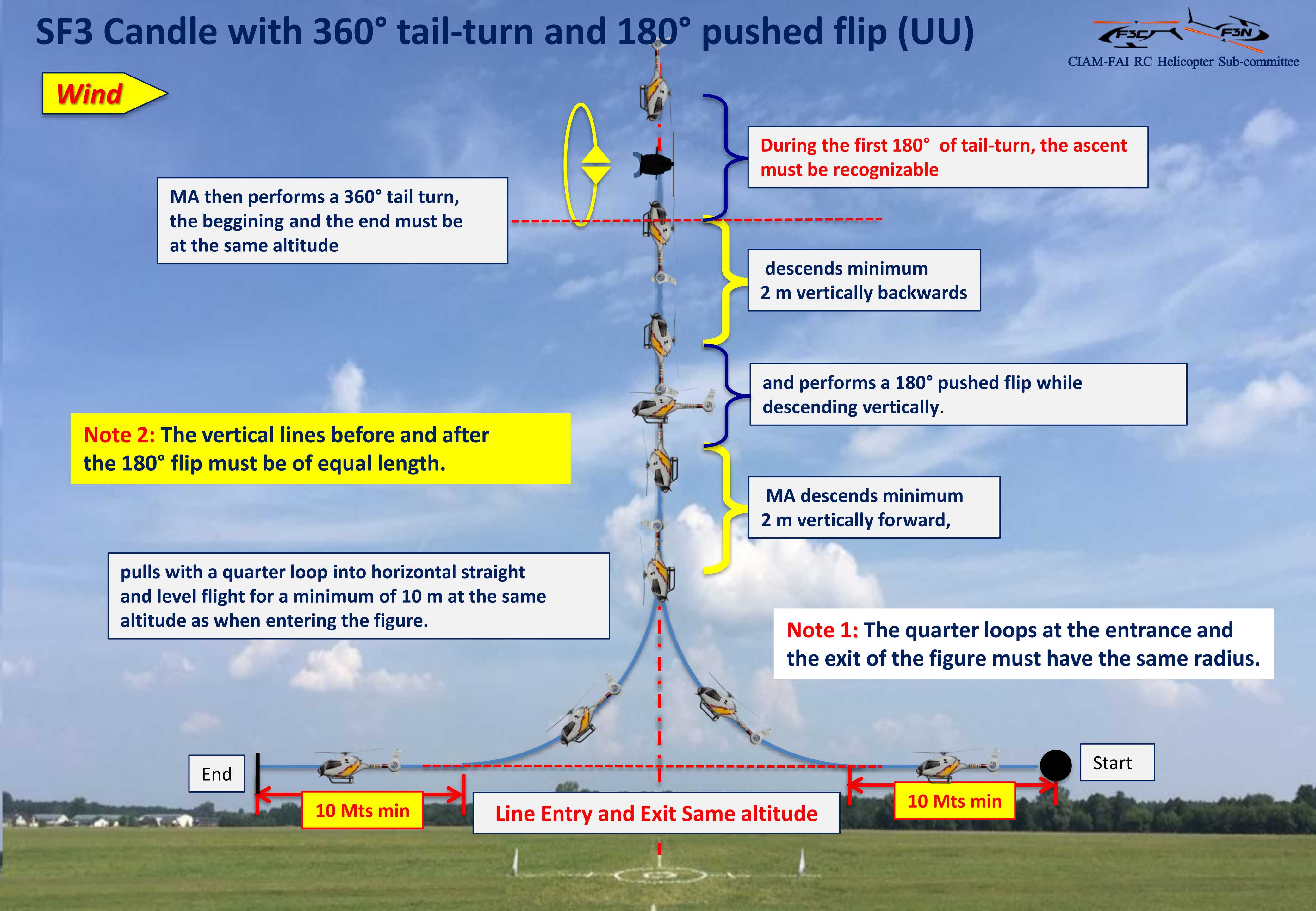

SF3 Candle with 360° tail-turn and 180° pushed flip (UU)
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Wind
During the first 180° of tail-turn, the ascent must be recognizable
MA then performs a 360° tail turn, the beggining and the end must be at the same altitude
descends minimum 2 m vertically backwards
and performs a 180° pushed flip while descending vertically.
Note 2: The vertical lines before and after the 180° flip must be of equal length.
MA descends minimum 2 m vertically forward,
pulls with a quarter loop into horizontal straight and level flight for a minimum of 10 m at the same altitude as when entering the figure.
Note 1: The quarter loops at the entrance and the exit of the figure must have the same radius.
End
Start
10 Mts min
Line Entry and Exit Same altitude
10 Mts min

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F3C

Thanks for your interest

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