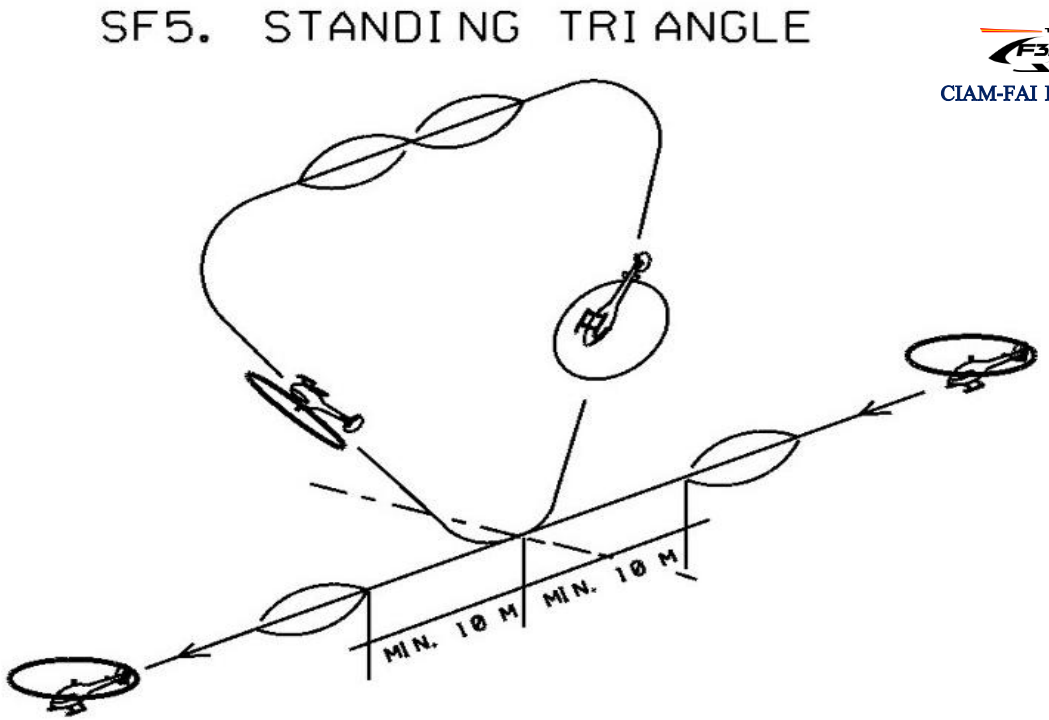
FAI CIAM F3 Helicopter Sub-committee

“SF” Program
2026/2027
Presentation of the Figure: SF5
Standing Triangle (UU)

Presentation Created by Liam Broderick and Eladi Lozano

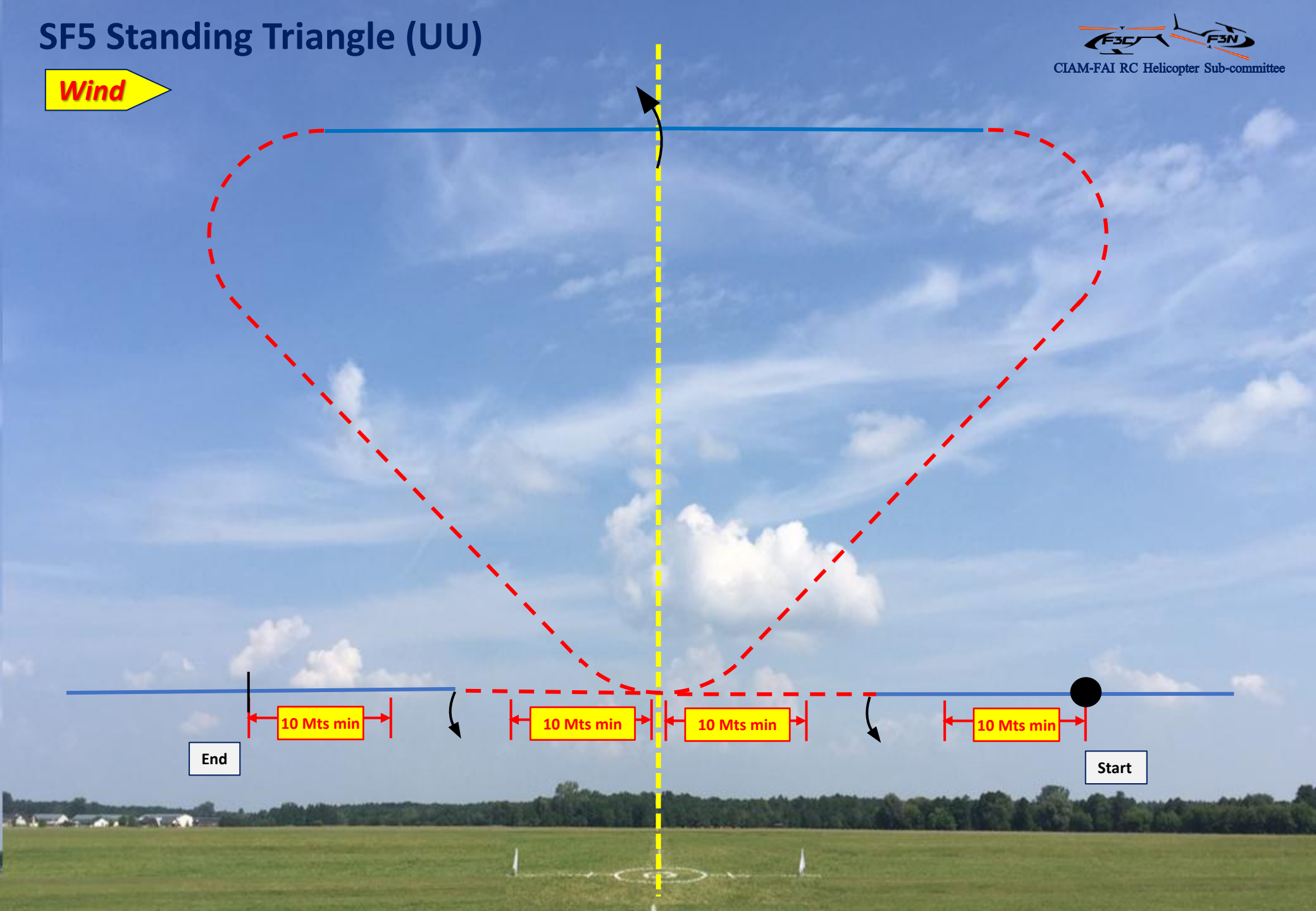


SF5: STANDING TRIANGLE (UU) K=1.0

MA flies straight and level for at least 10 m then executes a half roll in any direction followed by an inverted flight of a minimum of 10 m then ascends at the centreline by completing a 1/8 pushed loop to an angle of 45°.
MA continues with a straight line followed by a pushed 3/8 loop to upright level flight. After a short straight flight a level centred full horizontal roll in any direction should be completed followed by another short straight flight, another pushed 3/8 loop into a straight line descent at an angle of 45°, then completes a 1/8 pushed loop finishing on the centreline.
MA continues inverted flight for a minimum of 10 m followed by a half roll in any direction finishing upright into straight and level flight of at least 10 m at the same altitude as manoeuvre entry.
Note 1: Before and after the centred roll the MA fly a straight line, these lines must be of equal length.
Note 2: The 1/8 loops must be executed such that the 45° ascend as well as the 45° descend starts and ends exactly on the centreline.

SF5 Standing Triangle (UU)

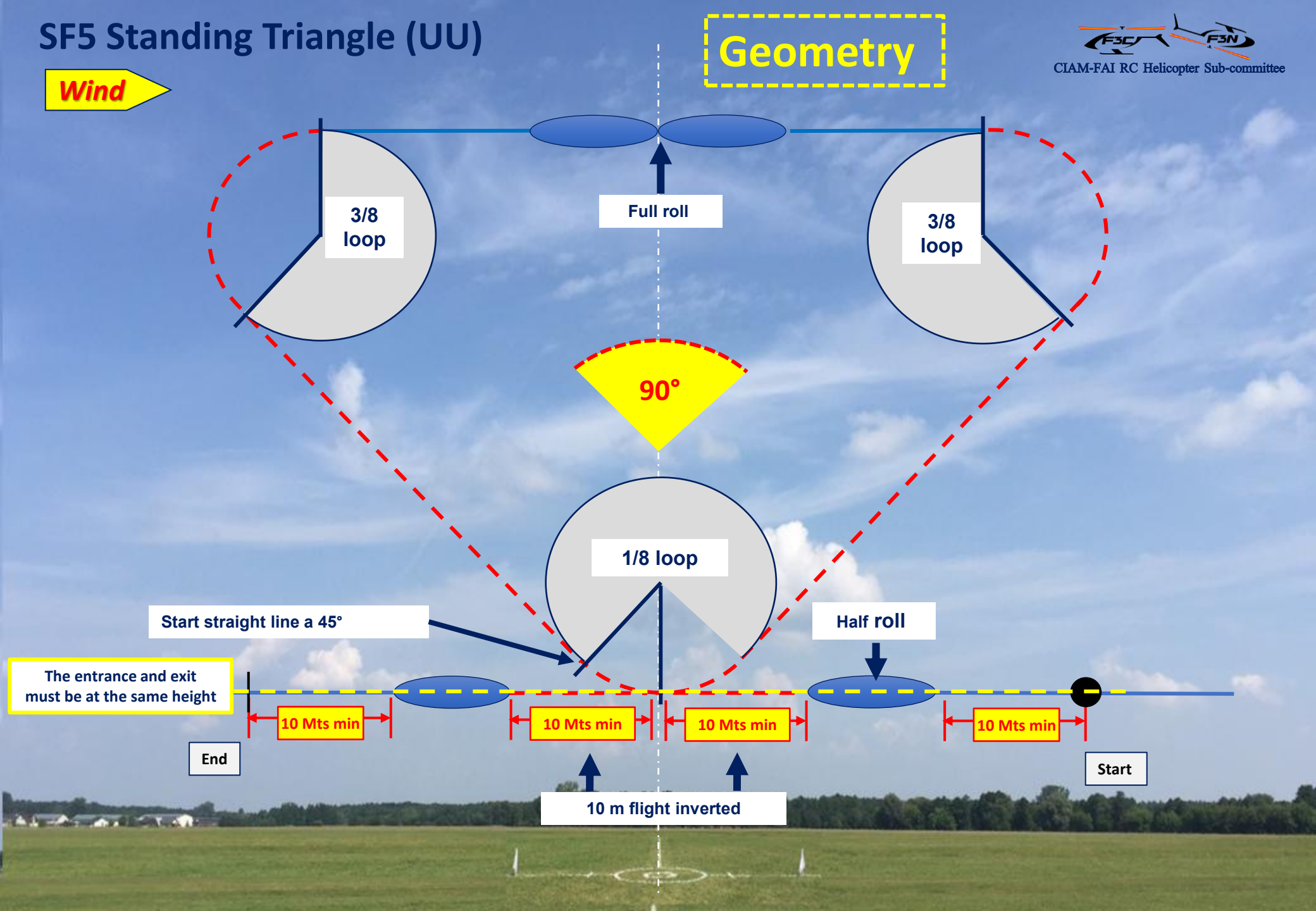
CIAM-FAI RC Helicopter Sub-committee



SF5 Standing Triangle (UU)

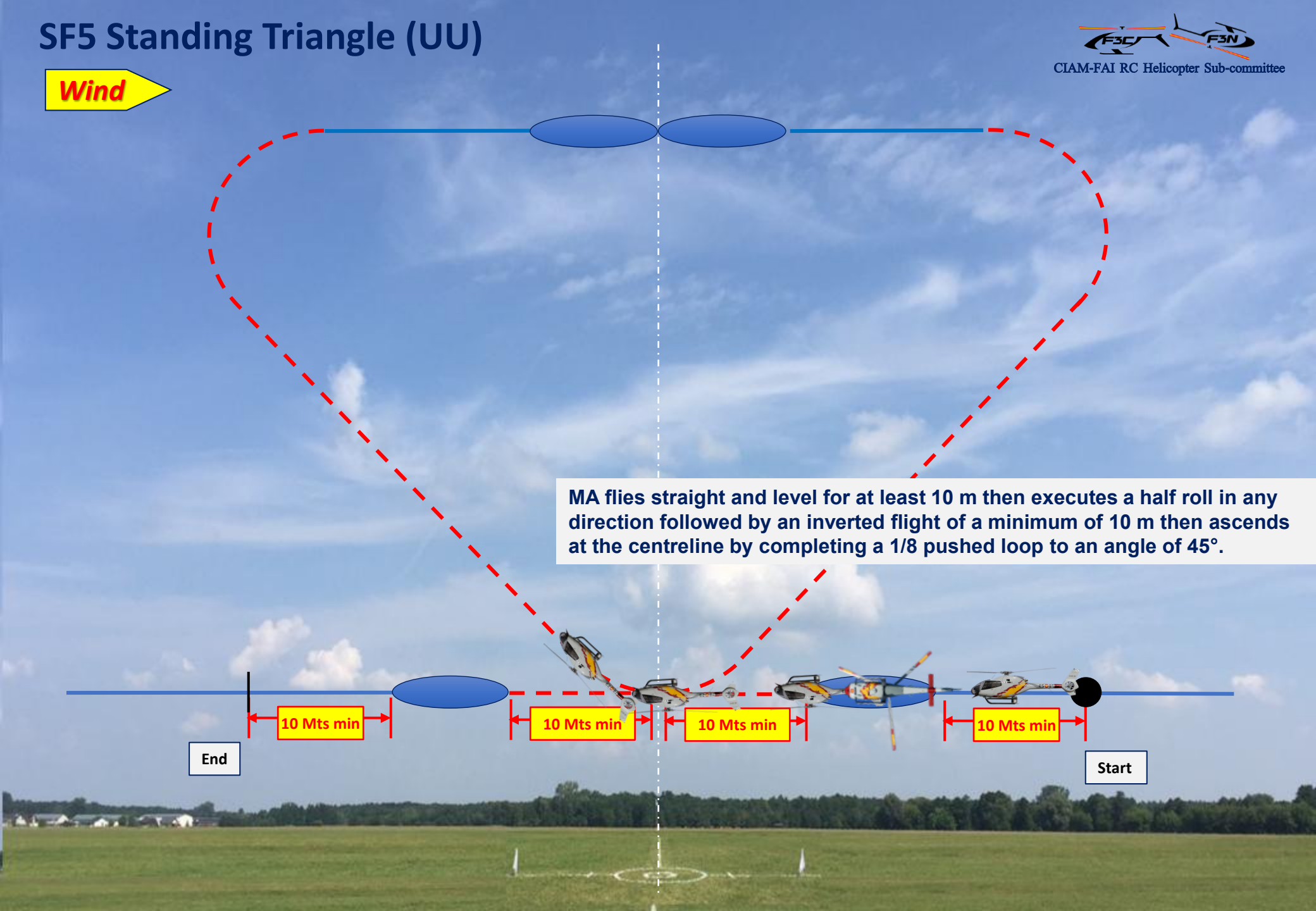
Geometry

CIAM-FAI RC Helicopter Sub-committee



SF5 Standing Triangle (UU)

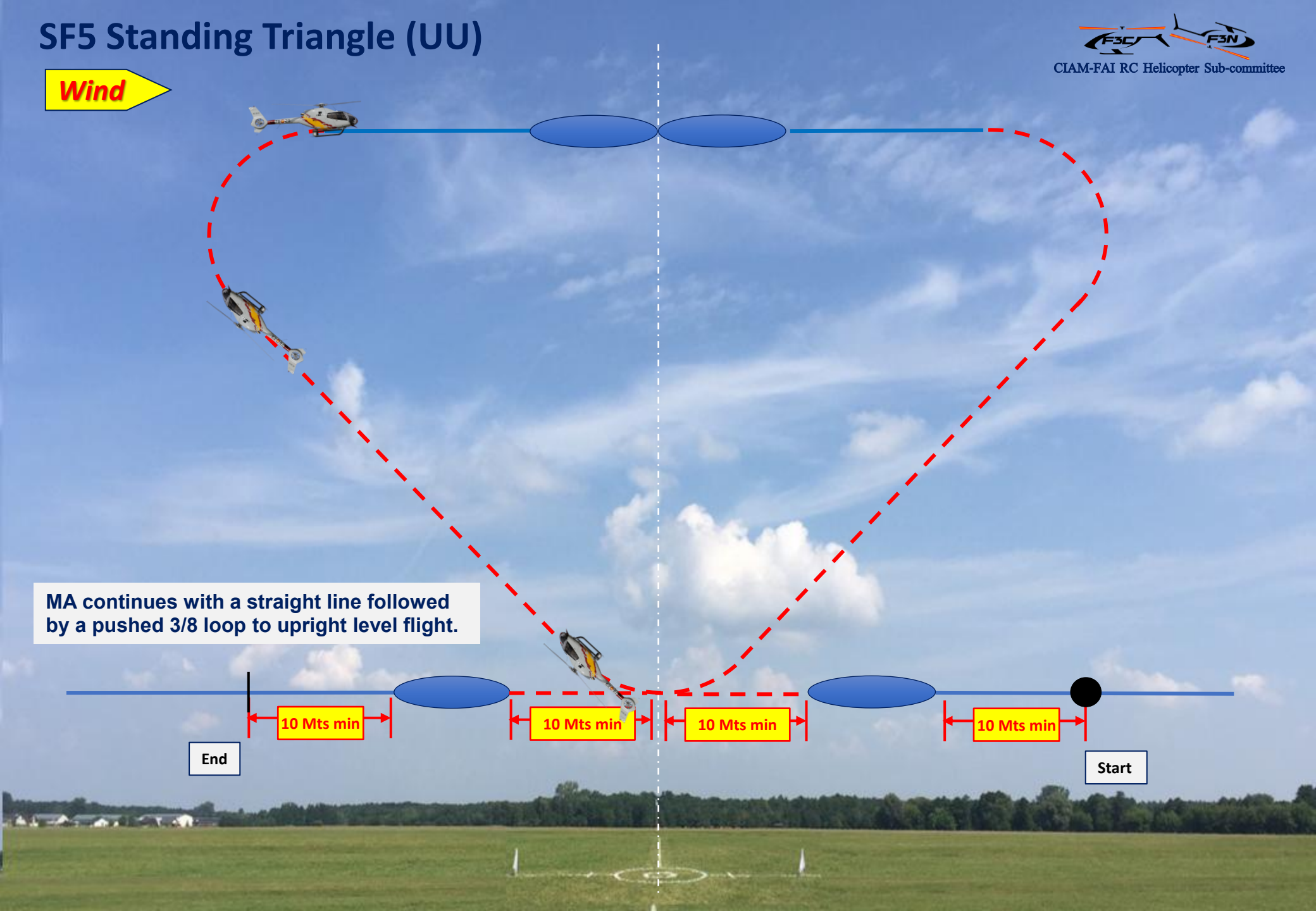
CIAM-FAI RC Helicopter Sub-committee



MA flies straight and level for at least 10 m then executes a half roll in any direction followed by an inverted flight of a minimum of 10 m then ascends at the centreline by completing a 1/8 pushed loop to an angle of 45°.

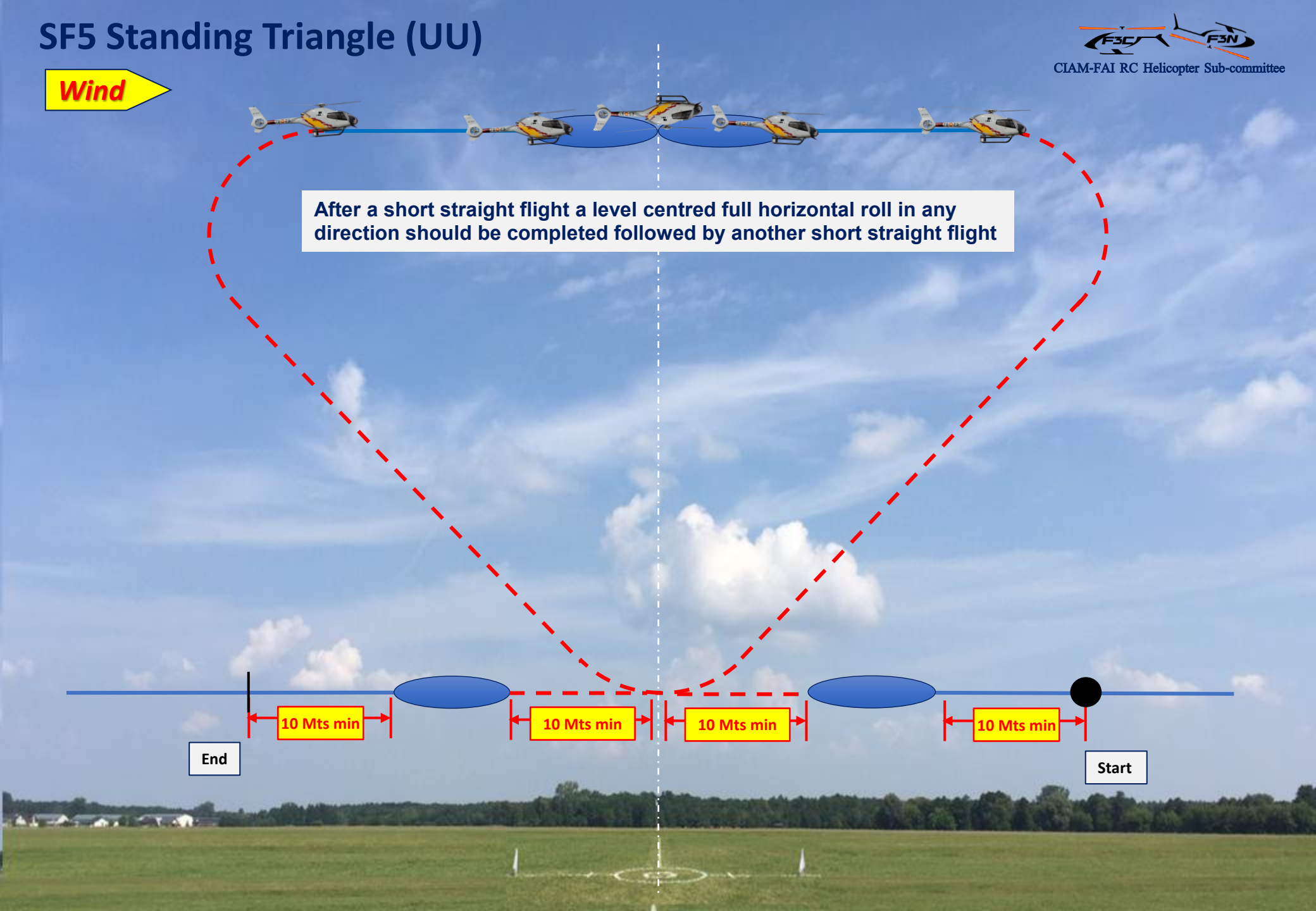
SF5 Standing Triangle (UU)

CIAM-FAI RC Helicopter Sub-committee



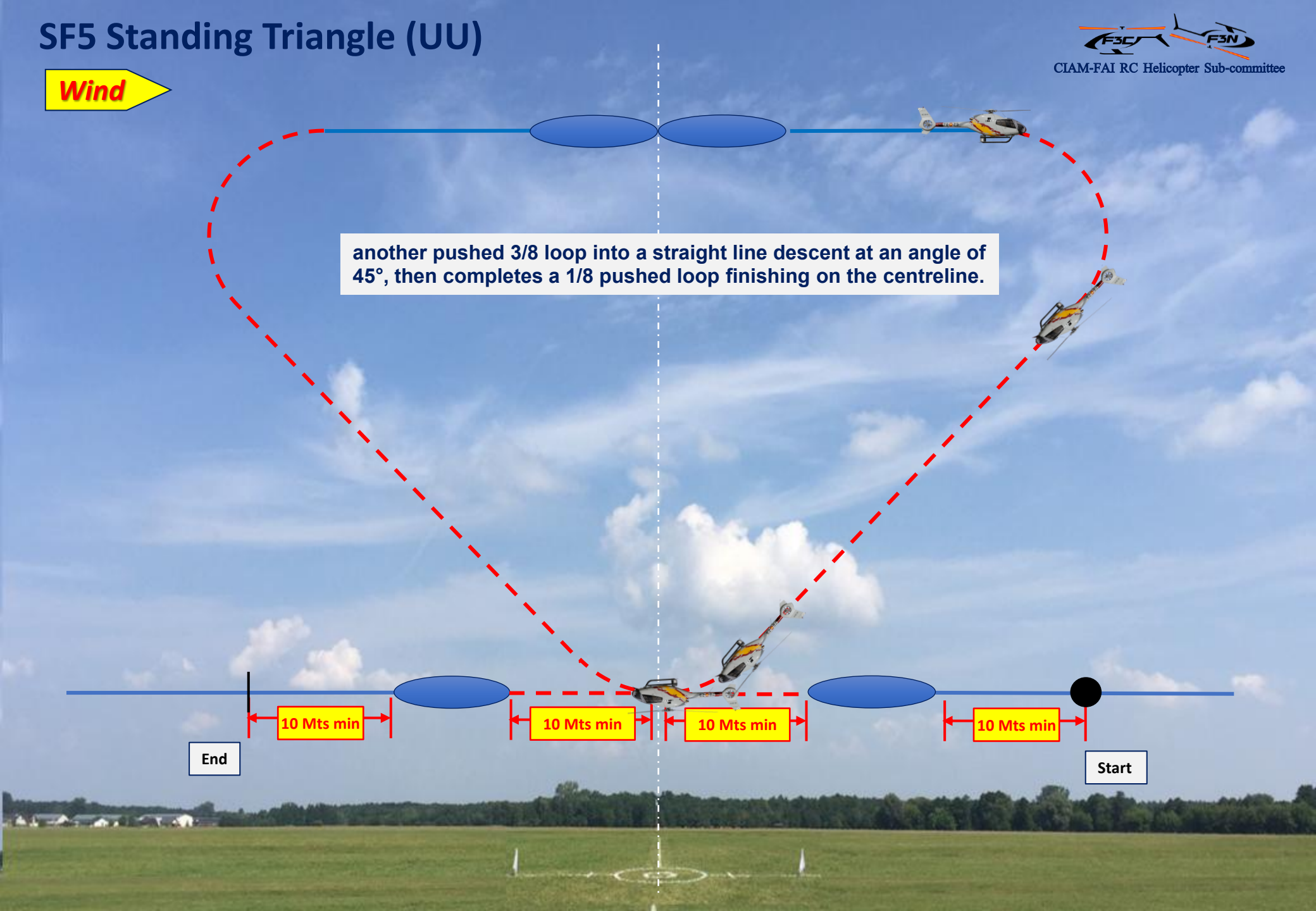
SF5 Standing Triangle (UU)

CIAM-FAI RC Helicopter Sub-committee



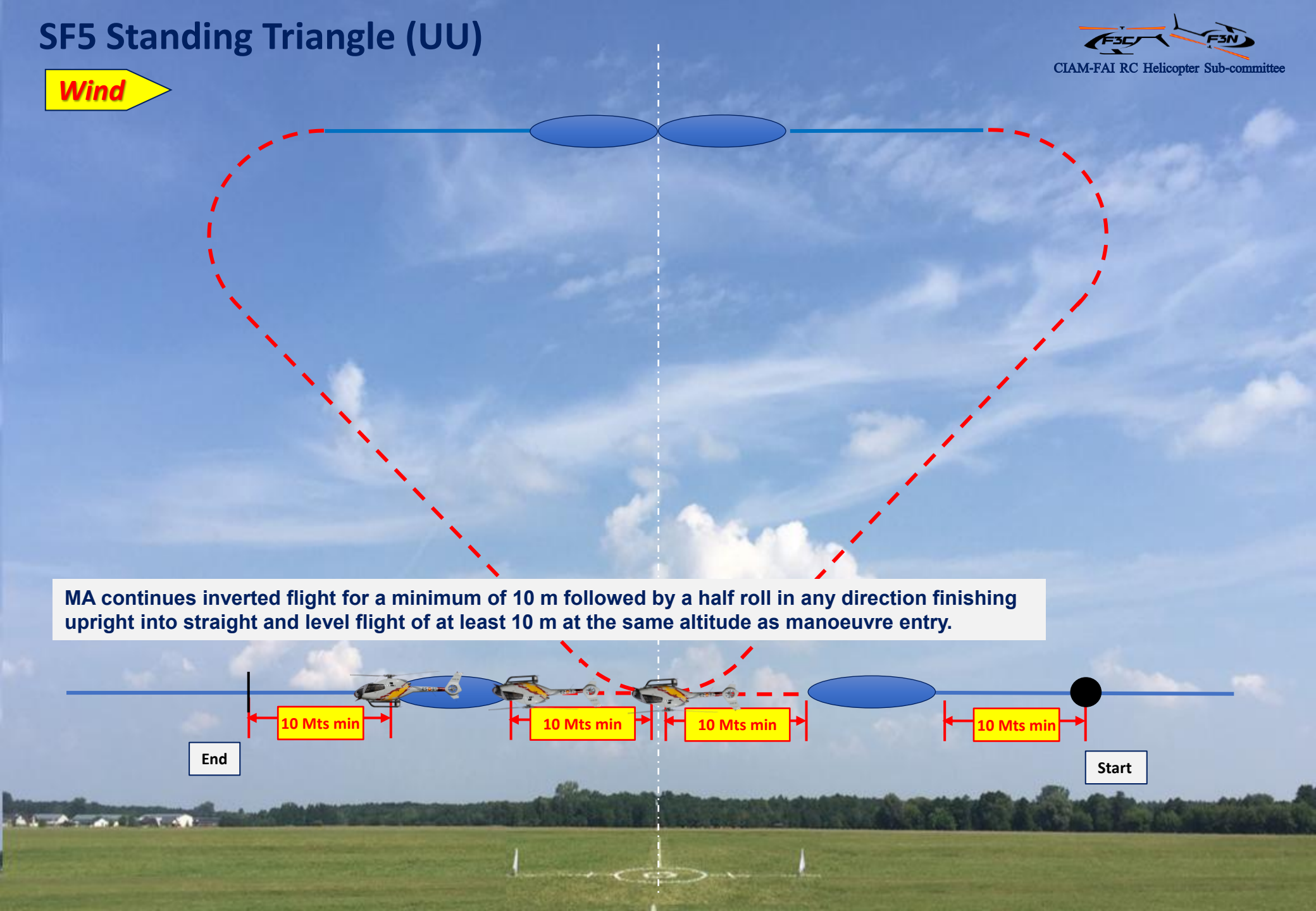
SF5 Standing Triangle (UU)

CIAM-FAI RC Helicopter Sub-committee



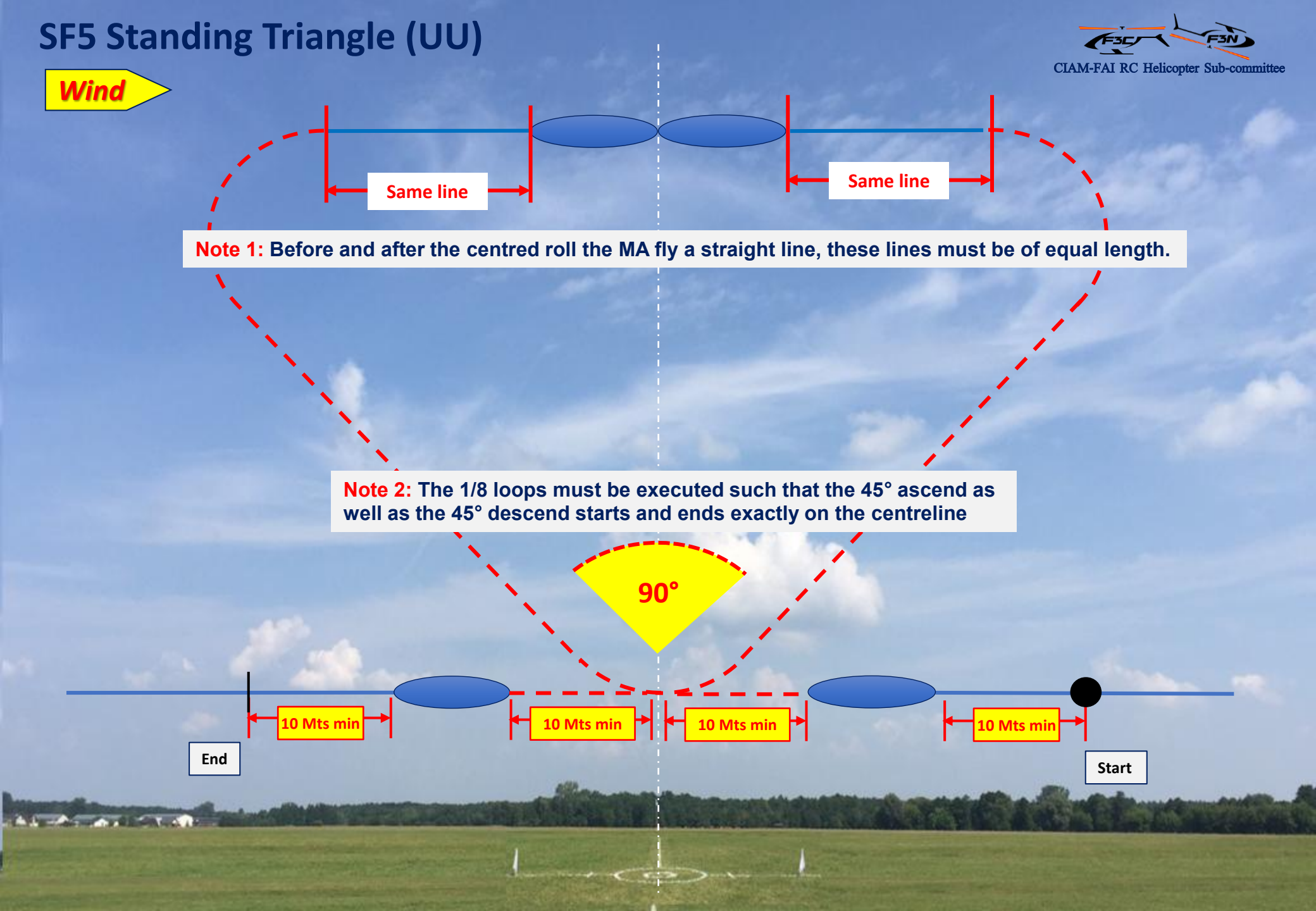
SF5 Standing Triangle (UU)

CIAM-FAI RC Helicopter Sub-committee



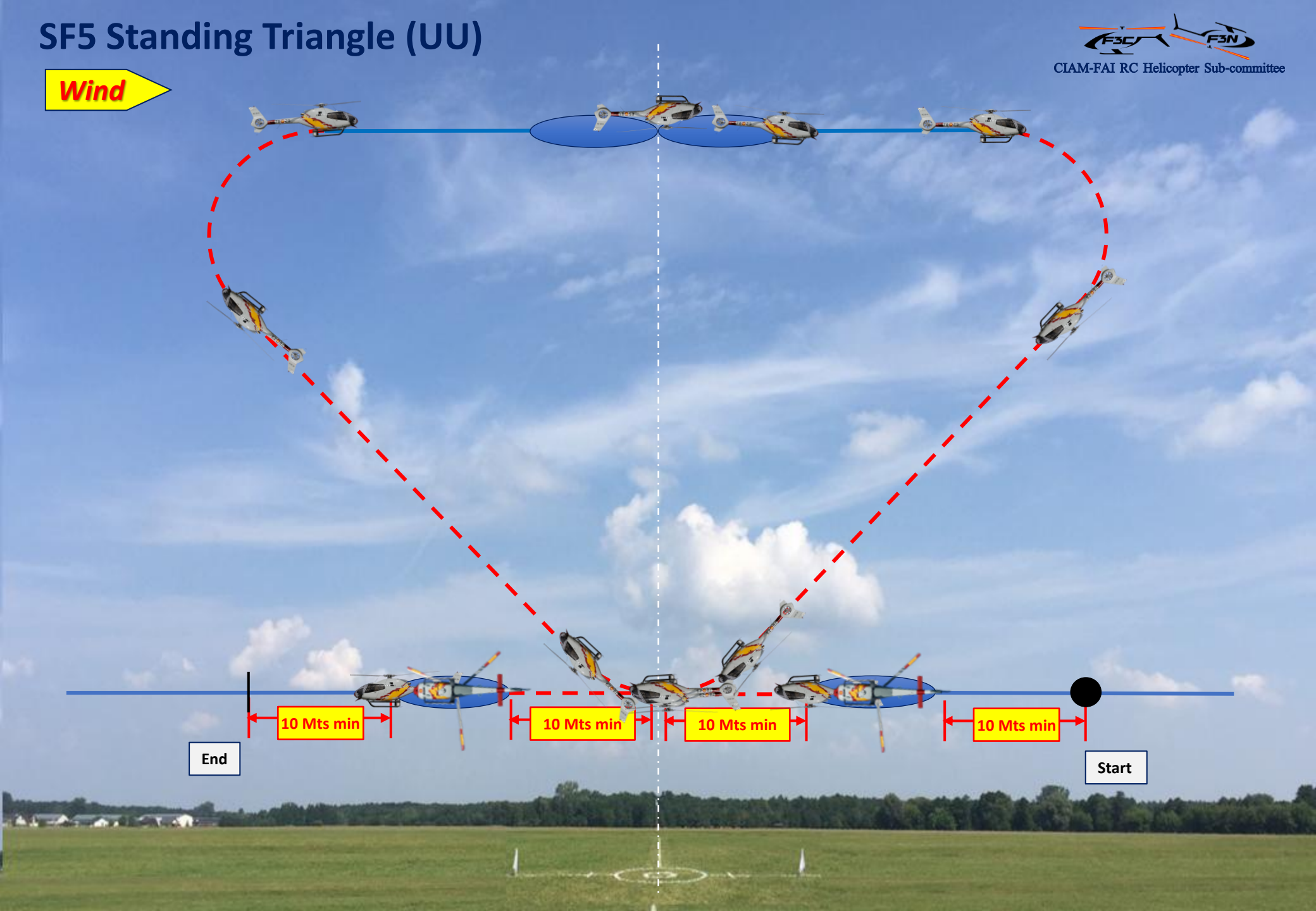
SF5 Standing Triangle (UU)

CIAM-FAI RC Helicopter Sub-committee



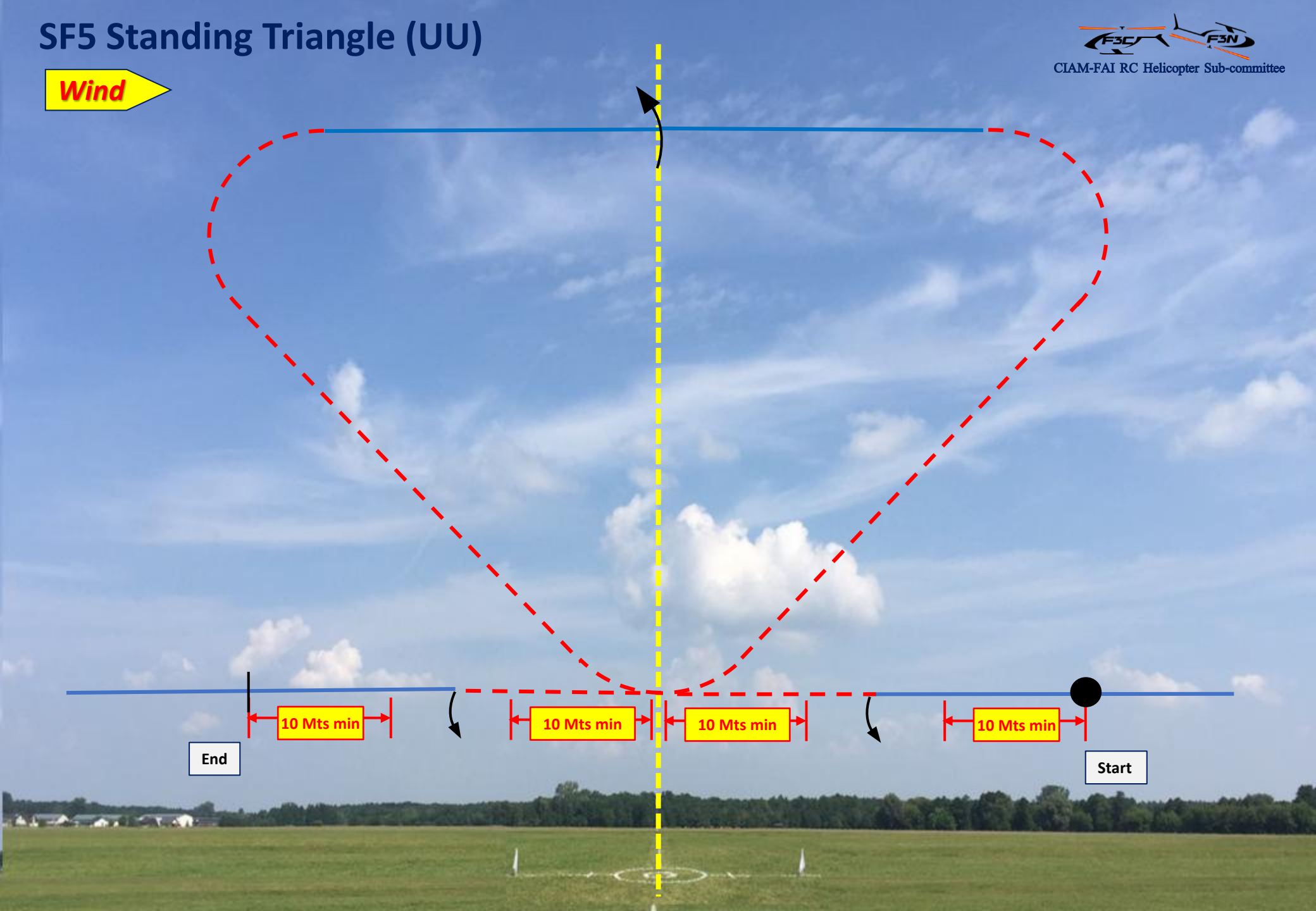
SF5 Standing Triangle (UU)

CIAM-FAI RC Helicopter Sub-committee



SF5 Standing Triangle (UU)

CIAM-FAI RC Helicopter Sub-committee



FAI

CIAM RC Helicopter Sub-committee

F3C

Thanks for your interest

Presentation Created by Roger Lacôme and Eladi Lozano