???????Workshop

- Heliport Workshop: FAA/ICAO □□□□□

Heliport Workshop: FAA/ICAO ??????

06 Heliport Workshop?FAA / ICAO ????????

□□□□□ 2026-05-29

1. ????

□□□□□□□

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- `ICAO Annex 14 Heliport Design HeliExpo2_2011.pdf`
- `HELIPORT DESIGN WORKSHOP1_2012.pdf`
- `HELIPORT DESIGN WORKSHOP2_2012.pdf`
- `HELIPORT DESIGN WORKSHOP4_2012.pdf`

□□□□□□□ heliport □□□□ /□□□□□□□□□ ICAO Annex 14 □ FAA AC 150/5390 □□□□□□□□□ FATO/TLOF□ Safety Area□ OLS/airspace □□□□□□□

2. *?????*

2.1 FAA ?? OL/D?? ICAO ??????

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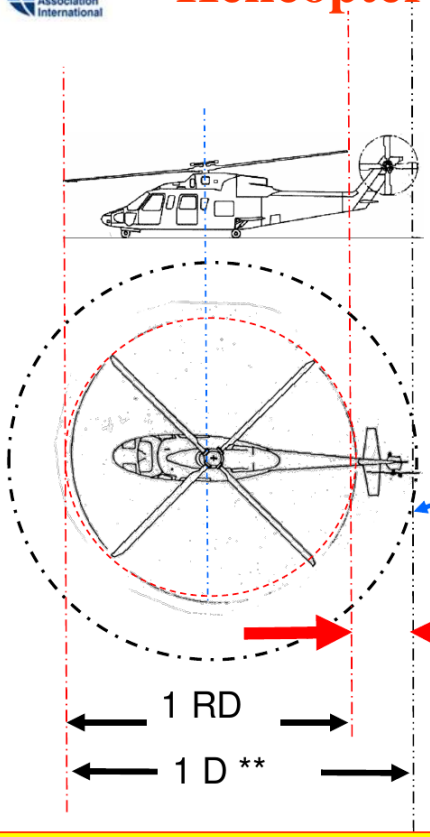
Helicopter Dimensions



D = Overall Length **

RD = (Main) Rotor Diameter

"Arc of Tail Rotor"

1 D = (approx.) 1.2 RD

(1 D – 1 RD) = (approx.) 0.2 RD

**** US/FAA Uses 'Overall Length' 1 OL = 1 D – AC-2C will use 'D'**

□□□□□□□ US/FAA □□ Overall Length□ 1 OL = 1D□□□ FAA □ ICAO □□□□□□□□□□□□□□

2.2 ICAO / FAA ????

DIFFERENCES

AC-2B ANNEX 14

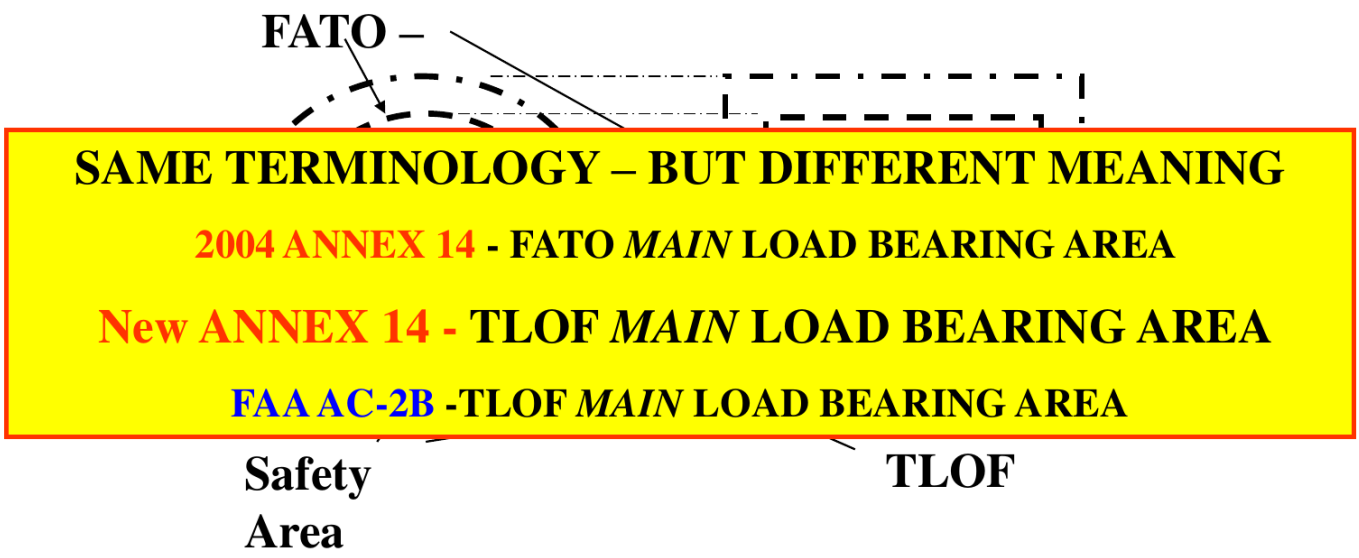
PARKING AREA = HELICOPTER STAND

HOVER TAXI = AIR TAXI

□□□□□□□ "DIFFERENCES" □□ AC-2B □ Annex 14□□□□□□□ heliport □□□□□□□□□□

2.3 ?????????

HELIPORT TERMINOLOGY



FATO: Final Approach and Takeoff Area

TLOF: Touchdown and Liftoff Area

□□□□□□□□ FATO / TLOF □□□ "same terminology — but different meaning"□□□□ FAA □ ICAO □□□□□□□

2.4 ???????? FAA ???? ICAO

LONDON BATTERSEA HELIPORT

'FAILS'

'Pre-tranche' 1 ICAO ANNEX 14

HELICOPTER TOO LARGE.

MEETS US/FAA AC-2B REQUIREMENTS

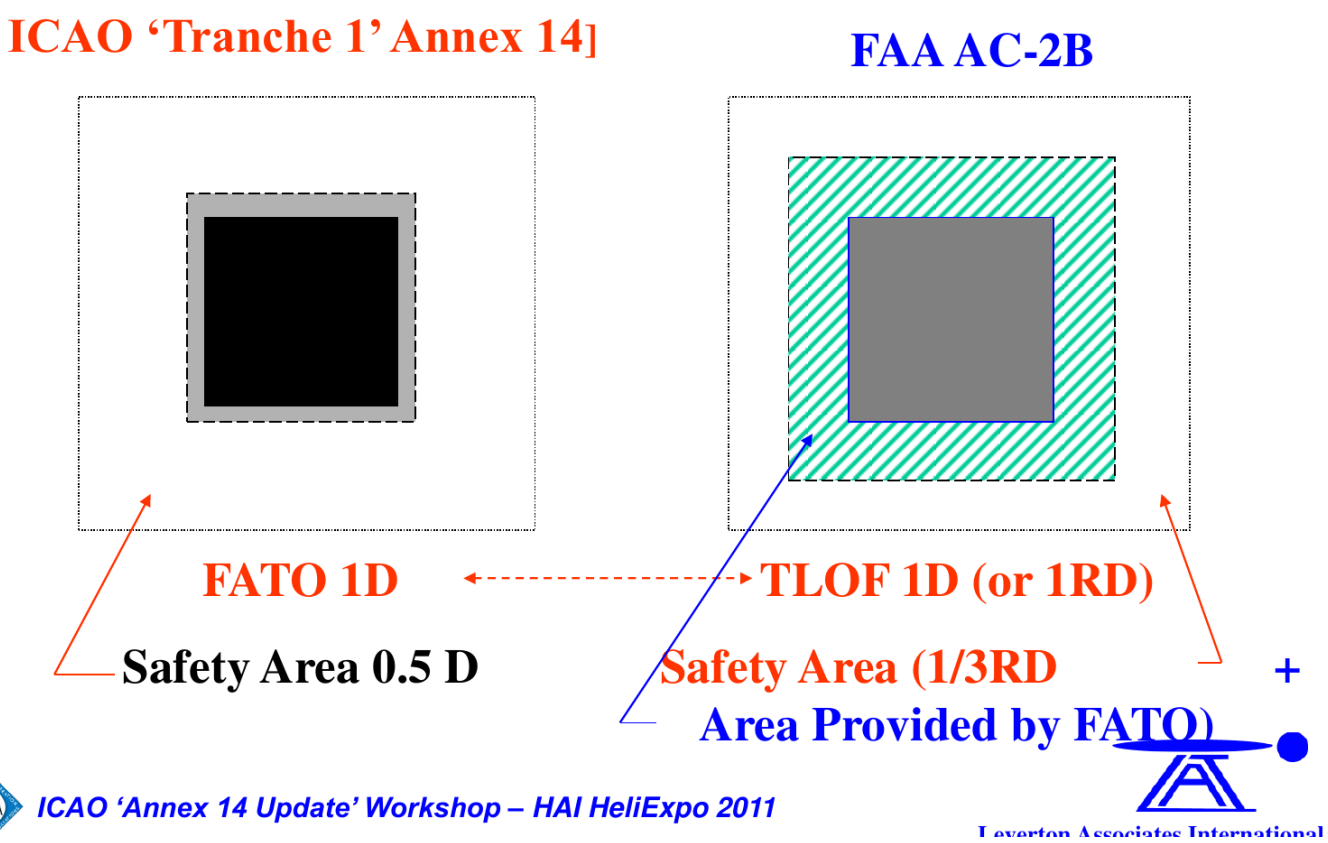
W30: RD= 44 ft (13 m)
D=53ft (16 m)

Helipad: Width 53 ft (16 m)
Length 125 ft (38 m)

Based on current Annex 14, R22 (RD - 26 ft/ 7.9 m: D – 29ft/ 8.8 m) would NOT be acceptable! Just OK if safety area assume not load bearing.

□□□□□□ London Battersea Heliport □□□□□□□□□□□□□□ "fails ICAO" □ "meets US/FAA AC-2B requirements"□□□□□□□□□□□□□□□□□□

2.5 Safety Area ??



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SAFETY AREAS

ICAO 'Tranche 1' Annex 14]

FAA AC-2B

FATO 1D

TLOF 1D (or 1RD)

Safety Area 0.5 D

Safety Area (1/3RD +

Area Provided by FATO)

ICAO 'Annex 14 Update' Workshop – HAI HeliExpo 2011

Leverton Associates International

备注：材料对比了 ICAO 与 FAA safety area 设置，进一步印证两套体系在保护区尺度上存在差异。

2.6 FAA alternate surfaces ??

USE OF "ALTERNATE SURFACES"

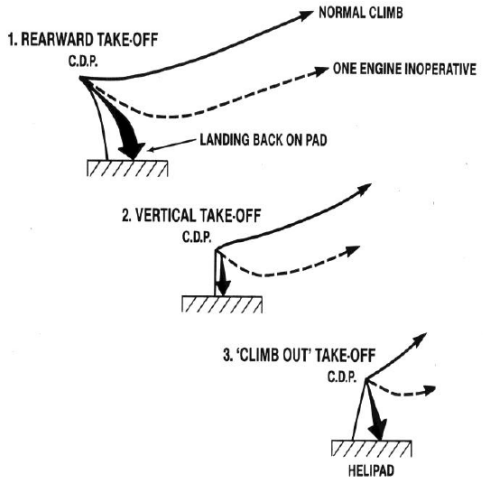
AC-2B 204 b – *removed from AC-2C*

NOTE: *When the standard surface is incompatible with the airspace available at the heliport site, no operations should be conducted unless helicopter performance data supports a capability to safely operate using an alternate approach/ departure surface. The site should be limited to those helicopters meeting or exceeding the required performance and approved by the FAA.*

HAI Proposed Text:
Alternative Approach/Departure Surface

When the standard surface is incompatible with the airspace available at the heliport site, no operations should be conducted unless helicopter performance data supports a capability to safely operate using an ~~alternate~~ alternative approach/ departure surface. The site should be limited to those helicopters meeting or exceeding the required performance and approved by the FAA.

USE OF “ALTERNATE SURFACES”



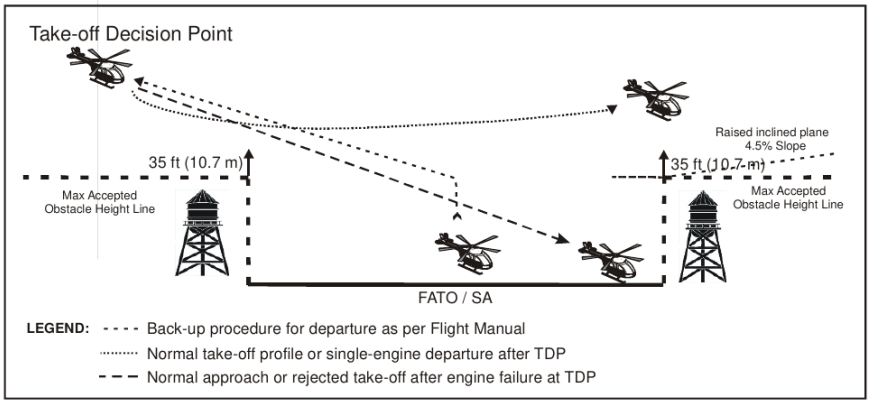


Figure 4-4 Example of Raised Inclined Plane During Operations in Performance Class 1

□□□ FAA workshop □□□□□ alternate surfaces □□□□□□□□□ FAA □□□□□□□□□□□□□□□□□□□□□□

3. ???????

1. FAA □ ICAO □□□□□ vertiport □□□□□□□□□ heliport □□□□□□□
2. □□□□□ FAA / ICAO □□□□□□□□□□□□□□□□□□
3. □□□□ ICAO □□□□ vertiport □□□□□□□□□ ICAO Annex 14 / Doc 9261 / MH5013□
4. FAA □□□□□□□□□□□□□□ D/RD □□□ Part 77 □□□□□ DCA □□ / □□□□□□□□□□□□□□□□□□□□□□□ ICAO □□□□