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Group exercise
ABC Aerodrome



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ABC Aerodrome – basic facts:

- International, instrument (ILS CAT I) Aerodrome.
- Single runway, 16/34, (13m/42 ft AMSL).
- Code 4D (Critical AC is B767; but accommodates scheduled B777 flights).
- Runway length 2100m.
- Separation distance between taxiway and runway – 158m.





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RWY	TORA (m)	TODA (m)	ASDA (m)	LDA (m)
16	1945	2300	1945	1815
34	1921	2300	1921	1815





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Scenario:

As part of an initial certification process, the CAA notified the aerodrome operator on the main findings arising from the on-site verification:

1. Non compliance with RESA minimal dimensions - 45m rwy 34; 52m rwy 16.
2. Non compliance with minimal separation distance between Rwy/Twy.
3. Cellular antenna on top of a commercial building, 271m from rwy 16/34 centerline, 20.5m AMSL (marked by a blue triangle in the photo).



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Group exercise:

A safety assessment has to be carried out taking into consideration the four basic steps:

- a) Definition of a safety concern and identification of the regulatory compliance.
- b) Hazard identification and analysis;
- c) Risk assessment and development of mitigation measures; and
- d) Development of an implementation plan for the mitigation measures and conclusion of the assessment.



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Group exercise (cont'd):

- e) In your safety assessment, refer and include the applicable provisions for each case, including, as a minimum:
- Annex 14 vol. I
 - Annex 19
 - PANS-Aerodromes (doc 9981)
 - SMM (Safety Management Manual, doc 9859).

Good luck!