



ICAO MID

الهيئة العامة للطيران المدني
Civil Aviation Authority
دولة قطر • State of Qatar



الاجتماع الثامن للمدراء العاميين للطيران المدني في منطقة الشرق الأوسط (DGCA-MID/8)

Eighth Meeting of the Directors General of Civil Aviation-Middle East Region (DGCA-MID/8)



ICAO MID



Radio Altimeter Protection & 5G/6G

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Modern Aircraft: Fully Dependent on Safety Spectrum

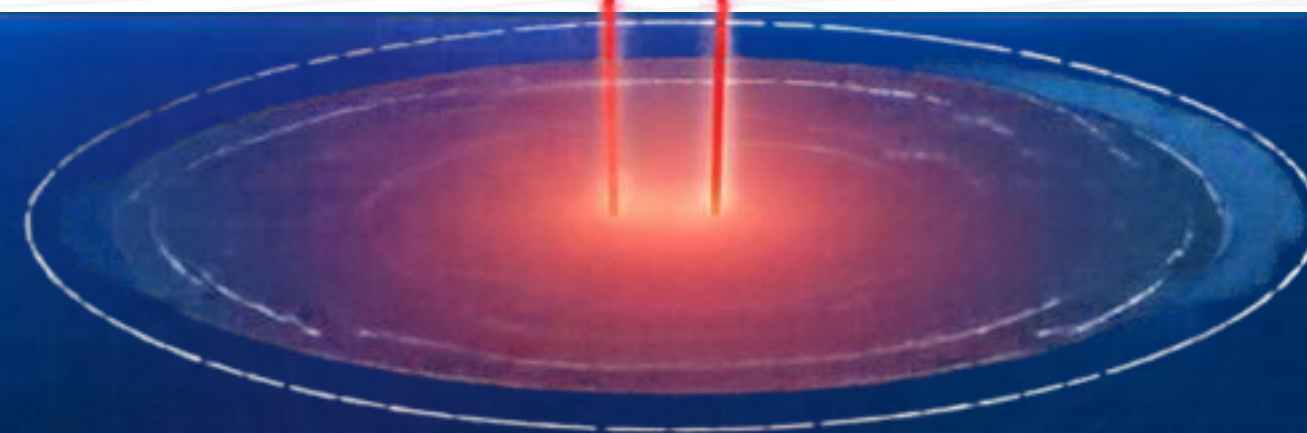


What is the function of a Radio Altimeter ?

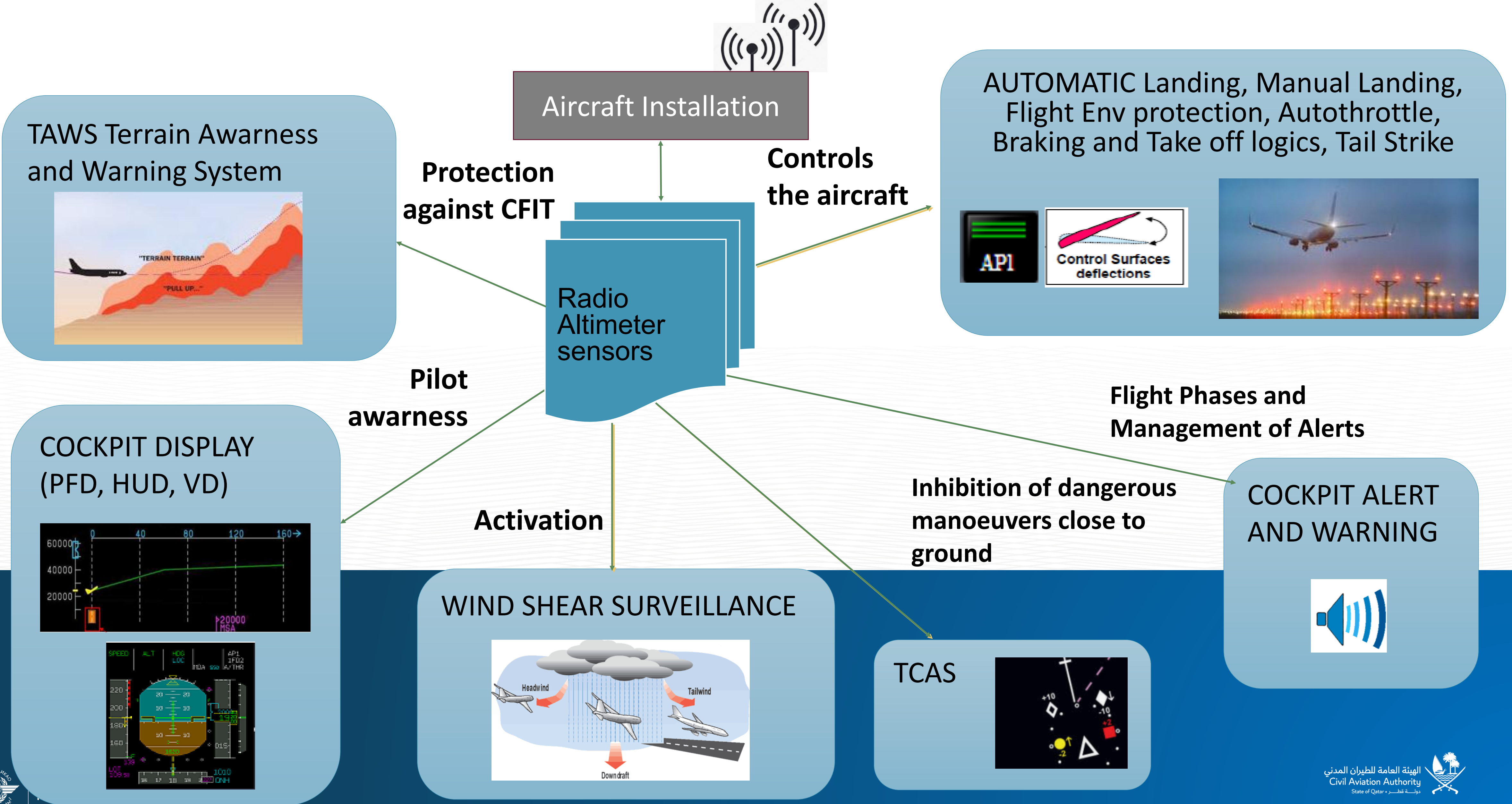


Radio Altimeter supports the most critical operations, whatever the underlying terrain

**Measure the
Height Above
the Ground**



How does the Radio Altimeter integrate on the aircraft?



Threats to the operation of Radio Altimeter

- ITU, governments, and industry are studying new 5G/6G spectrum allocations adjacent to the Radio Altimeter band
- 5G/6G allocations may introduce risks to Radio Altimeter performance and aviation safety
- Key spectrum allocation decisions will be considered at WRC-27
- Active CAA engagement is required to protect aviation interests and safety-critical Radio Altimeter operations



MIDANPIRG CONCLUSION 23/28: COORDINATION AND ADVOCACY FOR THE PROTECTION OF THE RADIO ALTIMETER BAND IN WRC-27

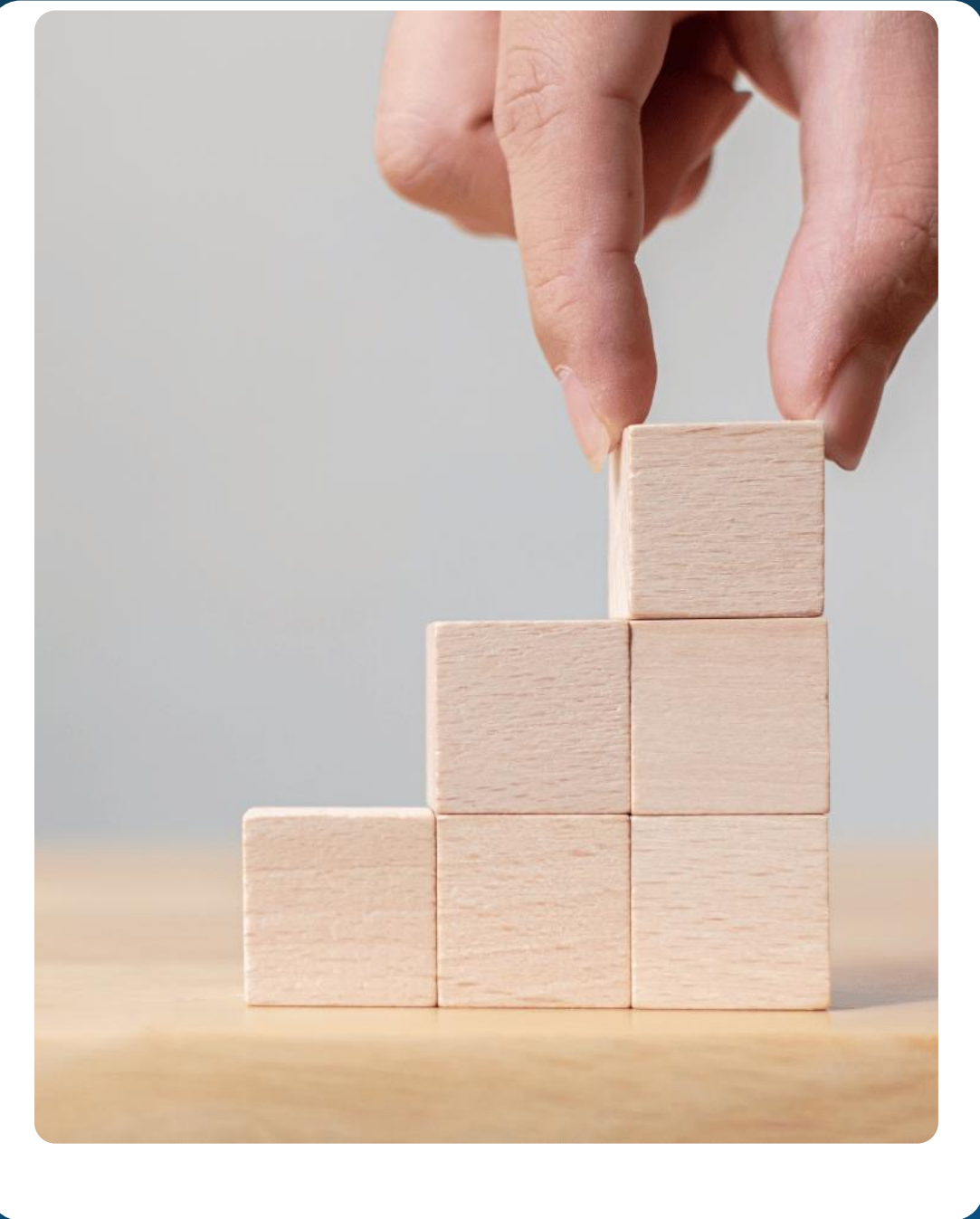
That, in order to strengthen regional and international coordination in support of the ICAO position on radio altimeter spectrum protection, and to ensure effective engagement with relevant stakeholders during WRC-27:

a) ICAO MID Office to:

- i. conduct Workshops and/or meetings in 2026/2027 with the Arab Spectrum Management Group (ASMG) in support of WRC-27 preparations, with particular emphasis on radio altimeter issue; and*
- ii. coordinate with States as well as other International and Regional Organizations, to strengthen collaboration and advocate for the protection of the radio altimeter band.*

b) States to:

- i. participate actively in the Regional WRC27 preparatory events;*
- ii. coordinate with their national radio regulator to support ICAO WRC-27 position; and*
- iii. send their representatives within the State's delegates to the WRC-27.*



Action by the Meeting

The meeting is invited to support the implementation of the MIDANPIRG Conclusion 23/28 and encourage States to allocate the necessary resources for effective aviation participation in the WRC-27 and related preparatory activities to ensure that aviation safety interests are adequately represented and protected.

WRC-27

ITU World Radiocommunication Conference 2027

18 October – 12 November 2027
Shanghai, China





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Thank You