



Locating the recorders

Above sea level

Presented by

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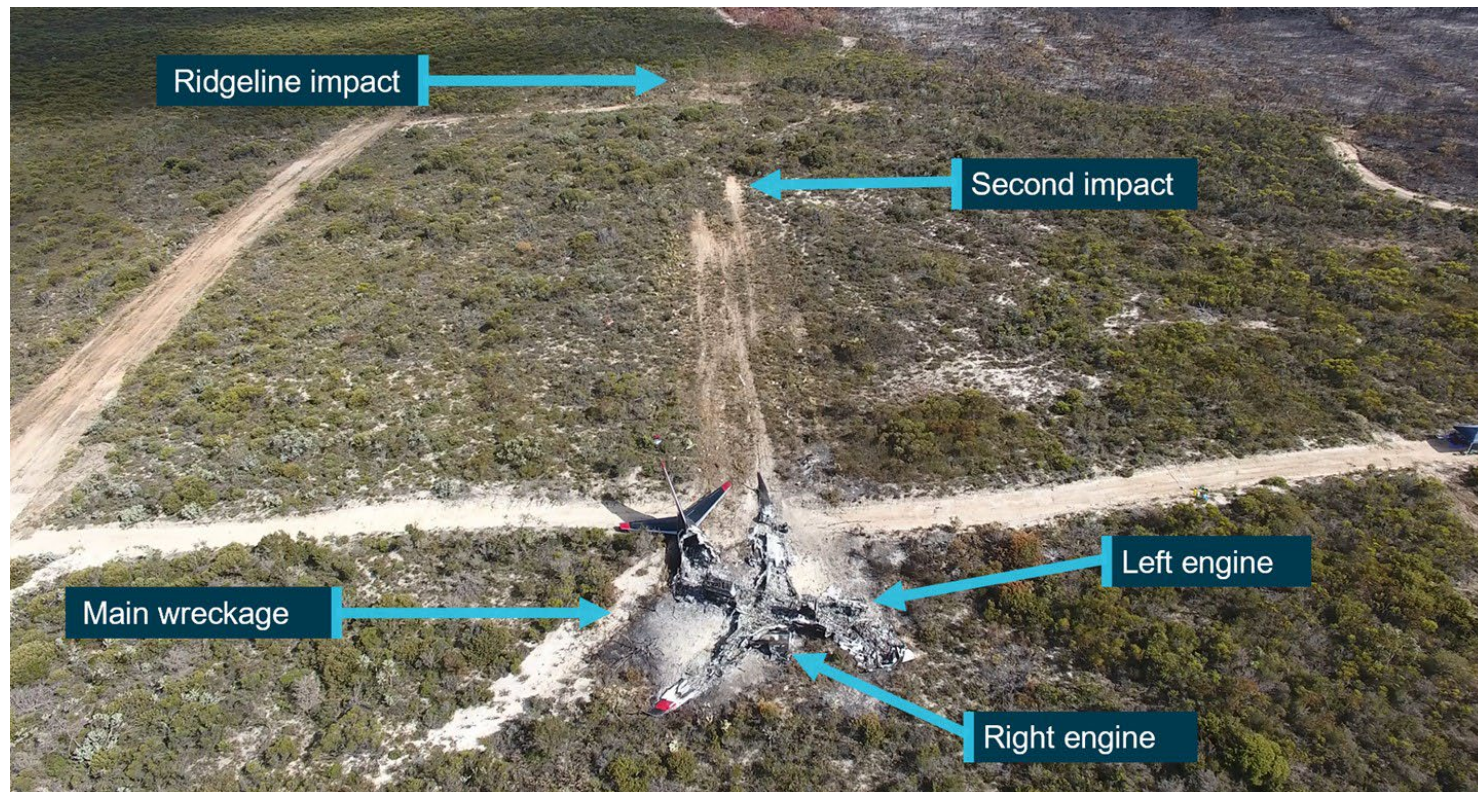
Investigation Specialist - Pacific

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Crashworthiness

- Flight recorders are designed to survive both high-speed impact and post-impact fire. They are, however, not invulnerable and are sometimes destroyed.
- The recorder is designed to ensure that data, rather than the recorder itself, survives an accident. The data storage medium (tape or microchips) is mounted inside an impact-resistant and fire-resistant container.
- The recorder's memory module is now required to withstand:
 - an impact producing a 3,400-g deceleration for 6.5 milliseconds (equivalent to an impact velocity of 270 knots and a deceleration or crushing distance of 45 cm)
 - a penetration force produced by a 227 kilograms (500 pounds) weight which is dropped from a height of 3 metres (10 feet)
 - a static crush force of 22.25 kN (5,000 pounds) applied continuously for 5 minutes
 - a fire of 1,100 degrees Celsius for 60 minutes

AO-2023-008 B737 LAT











Flight Data Recorder

Cockpit Voice Recorder

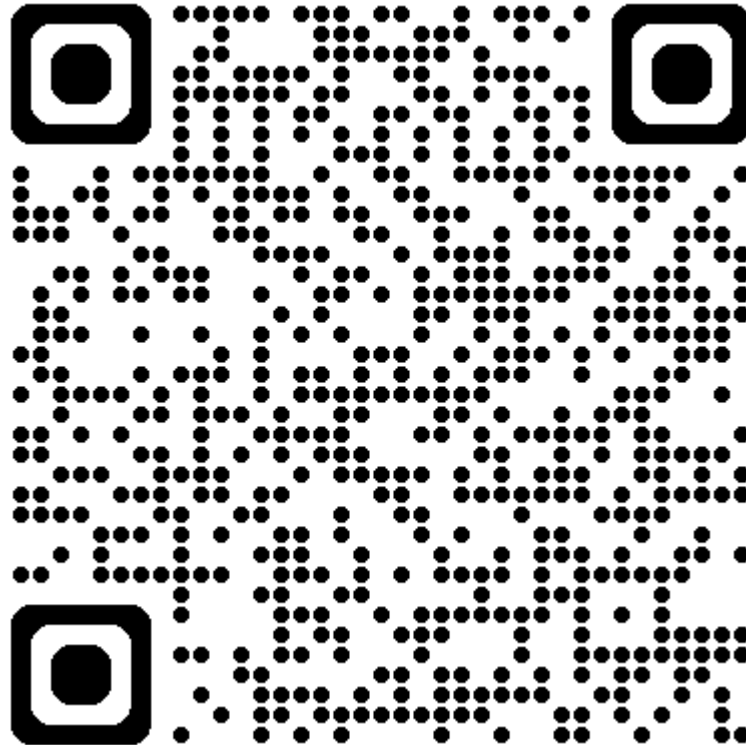
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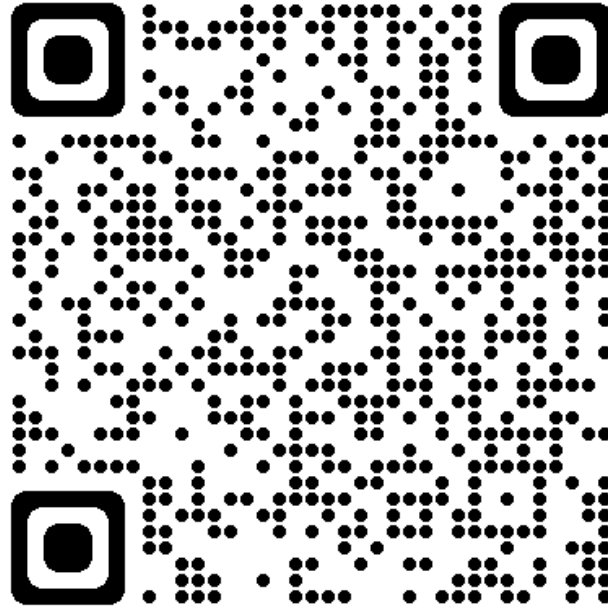
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