



Cloncurry UAS Flight Test Range

The Queensland Government is investing in the first stage of an Unmanned Aerial Systems Flight Test Range (FTR) in North West Queensland, based at Cloncurry Aerodrome and QinetiQ have been appointed as the range operators. The Range is the first of its kind for Australia, and will provide the ideal

location to test, trial and evaluate your unmanned aerial systems (UAS) and payloads.

Construction is currently underway and the Range will be available for commercial bookings from mid 2020.

QINETIQ



**Queensland
Government**

Specifications

Commercial-grade runway	2,000m x 30m
Secondary runway	1,150m x 18m
Flight operations hangar	Lockable, air-conditioned 20m x 20m x 7.5m hangar
Workshop and secure storage	Secure workshop facilities with storage for petroleum, oil and lubricants and repairable items
Range Control Centre/System	Components: <ul style="list-style-type: none"> - Primary Surveillance Radar - ADS-B Mode S (IN) - Mode C Interrogator - VHF, UHF and VOIP Communications

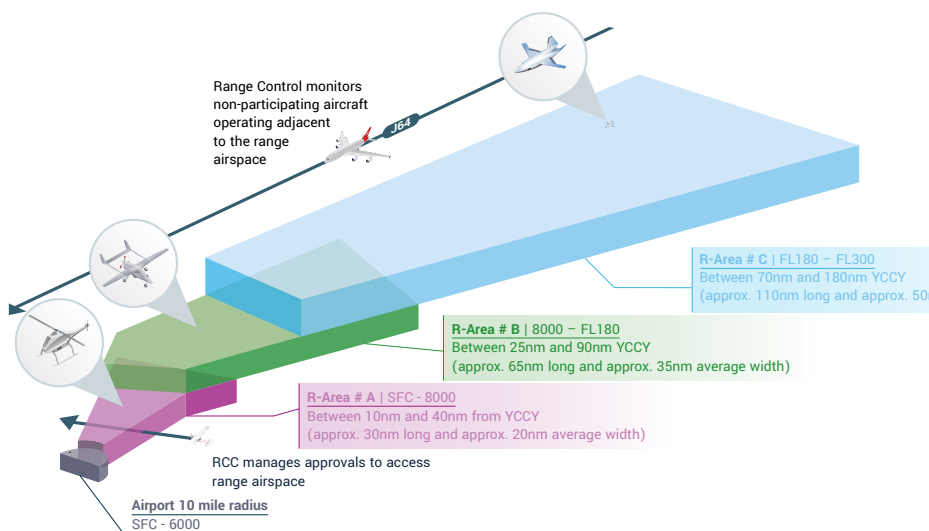
The Cloncurry FTR facilitates:

- Operational flying of all weight classes of UAS for routine flying operations, flight test and demonstration ranging from simple test manoeuvres and payload testing through to full trials requiring complex mission control support.
- The safe conduct of trials through the integration of test and evaluation instrumentation with proven range control equipment and processes.
- Approved and licensed operators to conduct their flying operations (by day or night) in a safe and controlled environment.
- BVLOS approvals through the provision of ground based surveillance systems.
- Complex approvals within the existing regulatory framework.

FTR Services:

In addition to leasing of the Range for commercial test and trials, the QinetiQ FTR team offer:

- Airspace definitions and acquisition to meet the needs of the end-user trials and manage ground and air risk.
- Trials Safety Case (SORA based) creation and approvals.
- Liaison with relevant stakeholders on behalf of end-users.
- Range surveillance safety services (tactical identification of air risk).
- Provision of aeronautical information and briefings to facilitate FTR operations.
- Oversight of range operations to assure that safety practices and procedures are actively managed.
- Emergency response services and coordination.
- ReOC service.



Indicative airspace examples

Collaborating with QinetiQ

At QinetiQ we bring organisations and people together to provide innovative solutions to real world problems, creating customer advantage. Working with our partners and customers, we collaborate widely, working in partnership, listening hard and thinking through what customers need. Building trusted partnerships, we are helping customers anticipate and shape future requirements, adding value and future advantage.

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