



Ministry  
of Defence

# Next Generation Operational Training Market Webinar



# Market Information Pack

Please note any information contained within this information pack does not constitute commitment from the Authority to conduct a procurement activity, nor does it confirm any contract length or value.

The information is intended to summarise, provide transparency and early thinking on the Programme which will be built on as the Programme progresses.

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For further information please contact [Air-Comrcl-NGOT@mod.gov.uk](mailto:Air-Comrcl-NGOT@mod.gov.uk)

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# Background

## Issue

The UK's Air Operational Training Infrastructure and associated enablers are in need of review to meet the capability demands of all aircraft types, particularly Lightning and Typhoon, while replicating an increasingly potent threat. Next Generation Operational Training (NGOT) has been initiated to address these capability and capacity challenges from a UK perspective while seeking opportunities with allied Air Forces. This document intends to introduce the Programme.

## Context

Front Line Commands receive operational training (OT) and assurance support in the Air Environment through a combination of synthetic and live capabilities. Live aggressor and electronic warfare capabilities are provided by substantive contracts until 2024/2025, with support from the RAF Electronic Warfare Training and Test Facility.

Following the Integrated Review, NGOT was initiated to cohere the capabilities and outputs of existing and future programmes via a portfolio approach to deliver capabilities fit for the Next Generation RAF and seeks integration between the Live and Synthetic aspects. NGOT will create a Joint 'Operational Training Ecosystem' containing complementary capabilities within two initially separate pillars of Live<sup>1</sup> and Synthetic<sup>2</sup> activity. Synthetic aspects of operational training capability are currently in the delivery phase, with Live in

development. NGOT will deliver new solutions to fill identified capability gaps, build an Operational Training ecosystem fit for the Next Generation RAF using innovative technologies and agile delivery methods to ensure cost-effective, cutting-edge capabilities.

## Programme Approach

The NGOT Programme seeks to integrate both Synthetic and Live Programmes, including enablers for cohesive delivery of operational training.

With the Synthetic pillar currently in delivery and Live in development, the overall programme convergence will be conducted in phases.

This Market Information Pack seeks to provide an oversight of the whole NGOT programme, but is primarily concerned with Market insight into capability and mobilisation in the Phase Two Live Pillar (2025 onwards) and the approach to converge with the Synthetic Pillar, to form a cohesive Live, Synthetic and Blended operational training capability in Phase Three (from 2030 onwards).

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<sup>1</sup> Activity carried out using real capabilities in the live environment.

<sup>2</sup> Activity carried out in the synthetic environment using virtual (real people in simulators) or constructive (computer generated) entities.

# Live Pillar

The **Modernisation of the UK's Training Air Infrastructure for the Next Generation (Pg MUSTANG)** forms the Live pillar. Activity conducted within this pillar is that which cannot be conducted within the synthetic arena for reasons of operational and real-world safety assurance, including activity undertaken within the UK with international allies. The potential Next Generation capabilities identified thus far are:

- Air Aggressor;
- Air Electronic Warfare Threat;
- Air Silent Target;
- Unmanned Aerial Vehicle Threat;
- Surface Electronic Warfare Threat.

Further information will be provided during the Market Information Webinar.

# Synthetic Pillar

Training conducted within this pillar will be the balance of necessary activity that is not conducted within the Live pillar. This may be due to operational security constraints, or to deliver the mass and complexity to satisfy high-end warfighting scenarios. Over the period, there will be an incrementally increasing reliance on simulation to support realistic, flexible, secure and cost-effective training.

Phase 1 and 2 Synthetic training is already in delivery through a number of programmes. NGOT seeks to provide cohesion of these programmes from 2030.

Further information will be provided during the Market Information Webinar.

Both programmes are supported by shared enablers.

# Market Information

The NGOT Team are hosting a Market Information Webinar on 9<sup>th</sup> Dec 2021 10.00 – 11.00 with the following agenda.

|                            |                 |
|----------------------------|-----------------|
| Key Message                | SRO             |
| Background and Context     | Pg Director     |
| Programme Scope and Phases | Pg Manager      |
| Lessons from ASDOT         | Pg Manager      |
| Questions to the Market    | Commercial Lead |

# Contact

Please contact [Air-Comrcl-NGOT@mod.gov.uk](mailto:Air-Comrcl-NGOT@mod.gov.uk) with the following.

- Confirmation of attendance at the Market Information Webinar (email address of attendees required).
- Expression of interest for further information relating to the NGOT programme and consequent projects.
- Permission to share your contact details with other interested market participants.