



MINISTRY OF DEFENCE

STATEMENT OF REQUIREMENTS

FOR

ROYAL NAVY SCHOOL OF FLIGHT DECK OPERATIONS (RNSFDO)

LIGHTENING II (LII) TRAINING AIDS

Version: 1.0
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1.0 Requirement

This Statement of Requirement is for the provision of Lightening II Replica Airframes (LII) Training Aids for the Royal Navy School of Flight Deck Operations

2.0 Specification

- 2.1 Produce Quantity 4, Full-size visual representation of LII aircraft in accordance with the Gateguards UK Ltd mould and outline Design document dated 21st May 2015. Each LII is to be capable of withstanding Royal Navy regular and frequent daily use by teams of instructors and trainees.
- 2.2 Constructed of a suitable material that is capable of withstanding all environmental conditions and that requires minimal or no maintenance.
- 2.3 Weight requirements to enable variances of weight to simulate fuel load/unload:
 - 2.3.1 Minimum dry weight of 14500 kgs
 - 2.3.2 Maximum weight of 25000 kgs
- 2.4 LII training aids to have crane attachments certified to withstand the minimum dry weight.
- 2.5 Undercarriage to be constructed of a suitable material that requires minimal or no maintenance.
- 2.6 Undercarriage to be fitted is to be representative of LII and be capable of supporting up to 25000 kgs.
- 2.7 Undercarriage to be constructed to sustain routine towing operations by an NMATT tractor/RAM and fitted with a universal towing arm.
- 2.8 Undercarriage to be constructed to enable Tornado aircraft wheels and tyres to be fitted (see 3.0 below).
- 2.9 All Training aids to be fitted with picket/lashing points that are in the exact position of an LII aircraft when embarked on a QEC Carrier to aid training at RNSFDO Culdrose.
- 2.10 Picket/Lashing points to be capable of being used by aircraft chain lashings, up to 10000lbs/4500kgs per picket/lashing point.
- 2.11 Suitably constructed to enable appropriate parking brakes to be fitted on each wheel
- 2.12 Final paint scheme to withstand excessive deterioration due to environmental conditions.
- 2.13 Final paint scheme to include a generic warning/hazard signs of an operational LII.
- 2.14 Two training aids to be fitted with correctly simulated cockpit access, opening canopies that can be safely and securely locked in the up and down position.
- 2.15 Cockpits of the two aids with opening canopies to be furnished with generic seating.
- 2.16 Training aid wing tips to be fitted with a protective material to prevent damage and/or injury in the event of a collision.
- 2.17 All training aids to be supplied with a Technical Operations and Maintenance Manual.

2.18 All lifting points are to display correct markings in accordance with Loler regulations.

3.0 Embodiment Loan Items

3.1 Tornado Wheels and Tyres for each LII

4.0 Duration

4.1 All work, including delivery, testing, commissioning to be completed within 12 months from the date of contract award.