**INTERIM MEDIUM SPEED OPERATIONAL READINESS TRAINING SERVICE –**

**KEY USER REQUIREMENTS (KUR)**

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| **Serial** | **User Requirement** | **Performance Standard** |
| 1 | The Contractor shall provide a medium speed aerial support service to include Electronic Warfare (EW) (incorporating Threat Simulation (TS) and Electronic Attack (EA)), Silent Target[[1]](#footnote-1) (ST), Target Towing[[2]](#footnote-2) (TT), Low Slow Flyer[[3]](#footnote-3) (LSF), Mission Augmentation[[4]](#footnote-4) (MA), White Force[[5]](#footnote-5) (WF), and miscellaneous services[[6]](#footnote-6). All aircraft shall have:* A navigation instrument fit, which shall be sufficient to allow operations from civil and military airfields equipped to ICAO standards and to meet the requirements for flight in controlled airspace.
* A communication fit to allow flying in civil and military controlled airspace and interactions with military elements.
 | No failure to comply. Compliant with ANO, CAA and EASA (or subsequent) regulations, as well as providing aircraft with either relevant CAA exemptions or on the military register.  |
| 2 | The EA/TT/ST/MA/TS/WF profiles require the Contractor aircraft, when in a clean configuration, to be capable of meeting the following performance criteria:* Speed: 350 KIAS at 250ft AMSL to 0.78 IMN at 30,000ft.

 * Height: operations between 250ft MSD and 30,000ft AMSL.
* Endurance: 45 mins Time on Task (TOT).

 * Manoeuvring performance: 60° AOB sustained turn at 20,000 ft.

 * All Weather Capability.
 | No failure to comply. |
| 3 | The LSF profile requires the contractor aircraft, when in a clean configuration, to be capable of meeting the following performance criteria: * Speed: 120 KIAS at 250ft AMSL and at 10,000ft.

 * Height: operations between 250ft MSD and 10,000ft AMSL.
* Endurance: 3 hrs TOT, 50 nm from operating base.

 * Manoeuvring performance: 60° AOB sustained turn at 10,000 ft.

 * All Weather Capability.
 | No failure to comply. |
| 4 | The Contractor shall operate sufficient aircraft to ensure that 10 tasks can be achieved in different geographical positions simultaneously, with the individual role maxima as below:ROLE SIMULTANEOUS MAXIMALSF 1EW 10CJ 2TT 3 TS 6WF 2SATURN 4Link 16 3 The aircraft shall be fitted with radios and navigation equipment both to meet detailed task requirements and to comply with CAA and MAA regulations. | No failure to comply.   |
| 5 | The Contractor shall provide up to 22 sorties in any flying day, within a 12-hour window between 0700 – 2359 (Local). | Delivery of an agreed daily flying programme to a mission success reliability of 90%. |
| 6 | As directed by the Authority’s tasking organisation, the Contractor shall provide support for day flying operations (0700–1800(L) Mon – Fri inclusive), night flying (1800 – 2359 (L) Mon-Thurs inclusive), and weekends and bank holidays with prior notice. | Delivery of an agreed daily flying programme to a mission success reliability of 90%. |
| 7 | The Contractor shall provide 6,000 flying hours per annum, within the specified flying periods and at defined simultaneous sortie rates/daily sortie rates, with an approximate break-down of hours by role being:* EW/TS/MA 3800 hrs
* ST 650 hrs
* TT 400 hrs
* WF 150 hrs
* LSF/FMV 1000 hrs
 | No failure to comply.  |
| 8 | The Contractor shall have the capacity to overfly the 6,000 pa baseline hours by 600 flying hours pa without incurring additional manning or capital investment. | No failure to comply. |
| 9 | The Contractor shall carry out detached operations according to the agreed flying/exercise programme and with prior notice.(Normally three months but subject to change). A detachment is defined as any deployment of aircraft to meet the Authority’s tasking at the point of need that requires overnight accommodation for the Contractor's personnel.Not more than 3 simultaneous or overlapping detachments shall be tasked at any one time. | No failure to comply |
| 10 | The Contractor shall provide an operations organisation capable of managing the flying task in accordance with current CAA and MAA regulations; this shall include provision of a mission planning capability with operational briefing material based upon task details provided by the tasking organisation. | No failure to comply. |
| 11 | The Contractor shall provide and maintain operations facilities during flying periods.  | No failure to comply. |
| 12 | The Authority will provide role equipment and supplies as Government Furnished Equipment (GFE) and Government Furnished Supplies (GFS) which the Contractor shall operate and maintain to meet the MOD’s air support requirements and capabilities as outlined at Ser 1, and the simultaneous maxima as detailed at Ser 4. GFE/S includes: * An operationally representative suite of EW parameters/data (up to SUKEO)
* Countermeasure dispensers[[7]](#footnote-7) for all ac
* 4 x Real Time Monitoring System[[8]](#footnote-8) (RTMS) pods
* 2 x RTMS consoles
* 8 x Radar Signal Simulator (RSS) TS pods
* 2 x S400 TS pods
* 2 x CJ401 Advanced Digital Radar Frequency Memory (ADRFM) pods (one of which has CHIMERA[[9]](#footnote-9) integrated)
* 2 x Q100 TS pods
* 1 x MALVERN pod[[10]](#footnote-10)
* 1 x GREY HERRING TS pod
* 2 x Link 16 systems with AGILE
* 7 x RAIDS[[11]](#footnote-11) pods
* 1 x FLIMSY pod[[12]](#footnote-12)
* Towed Targets:
	+ Low Level Height Keeper (LLHK) (Electro-Optic and Miss Distance Indicator (MDI));
	+ Sleeve;
	+ Close in Weapon System[[13]](#footnote-13) (CIWS);
	+ Multi Role Towed Target (MRTT);
	+ Pyrotechnics.
 | No failure to comply. |
| 13 | The Contractor shall provide role equipment as Contractor Furnished Equipment[[14]](#footnote-14) (CFE) to deliver the following air support requirements and capabilities:* EA covering multiple bands including DRFM jamming techniques.
* CJ.
* TS.
* Electronic Suppression Measures (ESM).
* TT including:
	+ Winches;
	+ MDI;
	+ Lenses.
* A day/night geo stabilised EO/IR turret (for LSF role).
* A Rover 3 & 4 and Firestorm terminal compatible data link (for LSF role).
 | No failure to comply. |
| 14 | The Contractor shall provide the ability to conduct other support tasks within the capabilities of the aircraft, working with the Authority to develop capabilities associated with the service. | No failure to comply. |

1. Clean skin aircraft used to simulate rogue unidentified threats e.g. hijacked aircraft. [↑](#footnote-ref-1)
2. Both Surface-to-Air and Air-to-Air. [↑](#footnote-ref-2)
3. Unmanned Aerial Vehicle (UAV) emulation, Close Air Support (CAS) and Full Motion Video (FMV) effects. [↑](#footnote-ref-3)
4. Includes the ability to act as Air C2, comms jamming (CJ), Air-to-Air or Air-to-Surface threat radar simulation, or visual threat. [↑](#footnote-ref-4)
5. Provision of exercise control facilities. [↑](#footnote-ref-5)
6. For example, provision of project facilities for airborne trials**.** [↑](#footnote-ref-6)
7. Typically, I-Band chaff. [↑](#footnote-ref-7)
8. Modified RAIDS pod. [↑](#footnote-ref-8)
9. UK SECRET 5-EYES ONLY [↑](#footnote-ref-9)
10. RADAR test target. [↑](#footnote-ref-10)
11. Range-less Air Instrumented Debriefing System. [↑](#footnote-ref-11)
12. UK SECRET UK/US EYES ONLY [↑](#footnote-ref-12)
13. Naval Phalanx gun. [↑](#footnote-ref-13)
14. Owned by the Contractor. [↑](#footnote-ref-14)