**Statement of Requirement**

**The Provision of a Digital Radar Systems Trainer for the Royal Air Force**

| Ref | Requirement | | | |
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| **A** | **General Requirements** | | | |
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| **A.1** | **Scope of Requirement** | | | |
| A.1.a | The provision of qty one model 8097-1 and one model 8097-2 FESTO/LabVolt synthetic radar trainer devices, set to UK mains power specifications, delivered to and installed together, in a lab in No 1RS Flowerdown Hall, RAF Cosford, then Commissioned and Certified as safe to use with the issuing of an EM Certificate to the CN4401 lead instructor. | | | |
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| **A.2** | **Definitions** | | | |
| A.2.a | In addition to the definitions detailed in the Terms and Conditions of the Contract the following definitions shall also apply. Where the definitions below contrast to those detailed in the Terms and Conditions of the Contract then the definitions within the Terms and Conditions of the Contract shall take precedence. | | | |
|  | Definition | Interpretation | | |
|  | CN4401 | Course Number (CN) 4401, CN4401, is the current course used to train TG4 cyberspace communications specialists (ICT|Techs) the fundamentals of radar, both how they radiate, their spectral characteristics and RF safety, and how the received radio-frequency signals are processed to deliver a picture output. | | |
|  | No 1 RS | No 1 Radio School (No 1 RS), is the RAF’s CyberSpace Profession training School, responsible for Phase 2 basic trade/branch training for CyberSpace Profession, phase 3 trade development training, Phase 3 common general purpose training, and phase 3 lead-in skills training. (Some DE&S, RN, Army, and Defence Digital Delivery Teams (DTs) place their Programme specific pre-employment training (PET) or particular equipment training solutions within No 1 RS). | | |
|  | Designated Officer | The Designated Officer is the MOD representative responsible for the Requirement: Wg Cdr Winwood RAFR. | | |
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| **A.3** | **Abbreviations and Acronyms** | | | |
| A.3.a | In addition to the abbreviations and acronyms detailed in the Terms and Conditions of the Contract the following abbreviations and acronyms will be used. | | | |
|  | Abbreviation or Acronym | Interpretation | | |
|  | BPSS | Baseline Personnel Security Standard | | |
|  | CN  DE&S | Course Number  Defence Equipment & Support | | |
|  | DO | Designated Officer | | |
|  | DT | Delivery Team | | |
|  | EM  GDPR  MoD | ElectromMagnetic (sometimes termed Radio Frequency (RF)  Government Data Protection Regulations  Ministry of Defence | | |
|  | OEM  OC | Original Equipment Manufacturer  Officer Commanding | | |
|  | RAF | Royal Air Force | | |
|  | SC | Security Check | | |
|  | SoR | Statement of Requirement | | |
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| **A.4** | **References** | | | |
| A.4.a | In addition to the references detailed in the Terms and Conditions of the Contract the following references shall also apply as well as any subsequent revisions and amendments to the references. This list does not absolve the Contractor from conforming to any other relevant publications. | | | |
|  | Reference | | Version | Source |
|  | Government Security Classifications  GDPR | | 1.0 | <https://www.gov.uk/government/publications/government-security-classifications>  [Data protection: The Data Protection Act - GOV.UK (www.gov.uk)](https://www.gov.uk/data-protection) |
| **A.5** | **Processes and Related Taskings** | | | |
| A.5.a | The task will involve acquisition of the 2 specified radar trainer sub-systems, delivery to site, their assembly and integration, commissioning, and EM safety certification for a year (the periodicity of each Certification) using the OEM instructions. | | | |
| A.5.b | On completion, Hand over to the lead Instructor for CN4401 (Mr Andrew Christian): the installed system, manufacturer’s manuals and EM Certificate. | | | |
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| **A.6** | **Site** | | | |
| A.6.a | The site where training is delivered is RAF Cosford, in Flowerdown Hall. The actual lab will be identified separately, but UK mains and tables may be assumed. | | | |
| A.6.b | OC RAF Cosford requires that contractors personnel give 3 working days advance warning of their intention to travel to and enter RAF Cosford, using either the DO or Lead Instructor as points of contact. | | | |
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| **A.7** | **Security** | | | |
| A.7.a | The Contractor is to ensure that all of the Contractor’s Personnel have ‘BPSS’. Where the Contractor’s Personnel does not have BPSS clearance that individual will not be allowed access to MOD facilities, which includes RAF Cosford. | | | |
| A.7.b | All information related to or generated by this Contract is to be treated in the appropriate manner in accordance with Government Security Classifications. The classification of the material to be handled shall not exceed OFFICIAL in nature. | | | |
| A.7.c | Any personal data processed under this Contract is to be treated in accordance with the Data Protection Act 2018. | | | |
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| **A.8** | **Site Access** | | | |
| A.8.a | Personnel will be required to attain BPSS for site access. For entry, contractor personnel will be met, escorted and provided a pass for entry which must be surrendered at departure from the Station. | | | |
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| **A.9** | **Safety and Environmental Provisions** | | | |
| A.9.a | When on the Site the Contractor is to comply with all MOD Safety, Health and Environmental Protection regulations and policy. | | | |
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| A.9.b | The OEM safety manuals state that the radiated power must not be less than 0.1mw/cm2, the contractor is to raise and issue a conformance test Certificate stating the Transmitter by serial number, date and measured power, conformed. | | | |
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| **A.10** | **Hours of Operation and Times of Delivery** | | | |
| A.10.a | All services to the Site shall be delivered between the hours of 08:30 - 16:30 on weekdays with exception of recognised UK Bank Holidays and Public Holidays. | | | |
| **A.11** | **Quality Assurance** | | | |
| **A.11.a** | The system to be installed and tested for RF safety before Commissioning and handing over to instructors for use. | | | |
| **A.11.b** | AQAP 2131 Edition C Version 1 NATO Quality Assurance Requirements for Final Inspection and Test. | | | |
| **A.11.c** | No Deliverable Quality Plan is required, reference DEFCON 602B. | | | |
| **A.11.d** | CoC shall be provided in accordance with DEFCON 627.  The Contractor is to provide the Authority with a copy of the data sheet each radar for acceptance prior to despatch. The data sheet will be reviewed by an Authority SME.  In accordance with DEFCON 627 Quality Assurance - Requirement for a Certificate of Conformity, the Contractor shall provide a Certificate of Conformity (CofC) for the radars in accordance with the Schedule of Requirements. One copy of the CofC shall be sent to the Authority upon delivery and one copy shall be provided with the Articles or to the recipient of the Service. The CofC should include the wording "Certificate of Conformity" in the title of the document to allow for easy identification.  The CofC shall be considered by the Contractor as a record and DEFCON 609 shall apply. The information provided on the CofC shall include:  Where the Schedule of Requirements and any applicable Quality Plan requires demonstration of traceability and design provenance through the supply chain, the Contractor shall include in any relevant sub-contract the requirement for the information called for at Clause 4. The Contractor shall ensure that this information is available to the Authority through the supply chain, upon request in accordance with DEFCON 609.   1. contractor name and address; 2. Contractor unique CofC reference number; 3. Contract number and where applicable Contract Amendment number; 4. Details of any approved concessions; 5. Acquirer name and organisation; 6. Delivery address; 7. Contract Item Number from the Schedule of Requirements; 8. Description of Article or Service including part number, Specification and configuration status; 9. NATO Stock Number (NSN) (where allocated); 10. Identification marks, batch and serial number(s) in accordance with the Specification; 11. Quantities; 12. A signed and dated statement by the Contractor that Articles or Services provided comply with the requirements of the Contract, and approved concessions. 13. Exceptions or additions to the above are to be documented.   A signed and dated statement by the Contractor that Articles or Services provided comply with the requirements of the | | | |
| **A.11.e** | Contractor to demonstrate they have a Quality management system to BS EN ISO 9001 2008 standard | | | |
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| **A.12** | **Contract Monitoring** | | | |
| A.12.a | For the purposes of contract monitoring, the Designated Officer will determine satisfactory delivery, safety certification and commissioning to use. | | | |
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| **A.13** | **Government Furnished Assets** | | | |
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| A.13.a | The Contractor will be not be furnished with Government Furnished Assets (GFA). | | | |
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| **A.14** | **Personnel Qualification Requirements and Training** | | | |
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| A.14a | The Contractor is responsible for ensuring that their employees are suitably qualified to install, commission & test and work safely. | | | |
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| **B** | **Deliverable Requirements** |

| Ref | Requirement | Additional Information | Quantity | Standard of Performance |
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| B.1 | Provision of FESTO/LabVolt synthetic radar trainers, one model 8097-1 and one 8097-2. |  |  |  |
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| B.2 | Delivery to No 1 RS, instal1ation and integration, & Commission. |  |  |  |
| B.3 | Test & provide initial saferty certification |  |  | The delivered system must pass its safety RF emissions checks to meet safety standardsa A.9.b, and the Contractor must generate the first EM Certificate. |