DEFFORM 315
CONTRACT DATA REQUIREMENTS

CDR 001 – Codification Data Report

1. Contract Number	2. CDR Number	3. Data Category	4. Contract Delivery Date
ARTYSYS/00304	001	a. Codification Data Report	See Schedule Item

5. Equipment/Equipment Sub-system Description	6. General Description of Data Deliverables
Muzzle Velocity Radar (MVR) System	**Codification Data Report** In accordance with: 6.1. Statement of Requirement (SOR) at Schedule 6 to the Contract. 6.2. Authority DID 07 at Schedule 11 to the Contract. 6.3. DEFSTAN 00-600: Integrated Logistic Support (ILS). Requirement for MOD Projects. Issue 5, Dated 14 Apr 2018. 6.4. DEFSTAN 05-057: Configuration Management of Defence Materiel. Issue 6, Dated 07 Mar 2014.

7. Purpose for which data is required

7.1. The Codification Data Report is used by the Authority to ensure the disciplined NATO Codification process is implemented and adhered to. This process involves the Identification, Classification, Naming and Unique Numbering of stores that will/could enter the Authority's Joint Support Chain (JSC). This process is to ensure all Items of Supply can be identified and recorded in a uniform manner, Allied Codification Publication 1 (ACodP-1): NATO Manual on Codification **Error! Reference source not found.**.

7.2. The selection of items requiring codification is based on Level of Repair Analysis (LORA) and Initial Provisioning List (IPL) submissions by the Contractor for agreement by the Authority. The purpose of this Contract Data Requirement (CDR) therefore is to specify the data and information that the Contractor will provide to the Authority. This data is required to obtain NATO codification of an Item through the Authority's UK NATO Codification Bureau (UKNCB). All relevant agreed candidate Items of Supply are to be subject to screening before any Item is considered as a candidate for codification.

7.3. Full Description / Product Composition

7.4. The Contractor is to flow down this requirement to their sub-suppliers in relation to the product.

7.5. The Codification Report is to be submitted in agreement with the Authority and list each Item of Supply for codification in accordance with DEFCON 117, containing the following data elements:

7.5.1. Logistic Control Number (LCN), configuration control number of the item's relationship in the Equipment Breakdown Structure (EBS). This is whichever LCN configuration is used i.e. 'Functional' or 'Physical' breakdown.

7.5.2. The NATO Stock Number (NSN), where the Contractor has been able to establish that the item may previously have been codified via their local Codification Bureau. This will be regarded as a suggested NSN and will be subjected to validation by the Authority.

7.5.3. All known Service or other domestic numbers relating to the item, where applicable.

7.5.4. The NATO Commercial or and/or Government Entity (NCAGE) or name, address and contact details of the Design Control Authority (DCA).

7.5.5. The item name appearing on the original drawing documentation.

7.5.6. The original manufacturer's name, address, and identifying reference, for items included in equipment that is not manufactured by the main Contractor, (i.e. a 'bought out' item). Including NCAGE code if they have one.

7.5.7. The main Contractor's own reference (part or drawing number), where the item forms part of an equipment, or they have allocated their own part or drawing number to the equipment.

7.5.8. An indication of whether the item is:

7.5.8.1. As identified by the manufacturer's reference.

7.5.8.2. Of multi-manufacture and may be identified by more than one manufacturer's reference.

7.5.8.3. Of multi-manufacture, but has been especially selected by the designer who confirms that no other product is acceptable: The drawing identifying such an item must substantiate any such restriction.

7.5.8.4. Subject to additional qualification or quality assurance processes that are not inherent in the manufacturer's reference.

7.5.9. Any proprietary design rights, if known.

7.5.10. Physical and Operational Characteristic Data.

7.5.11. New or unique items that have already been codified and/or accepted for codification by the Authority are to be included in the Initial Provisioning List.

7.5.12. Any Hazardous items that require specialist handling will have a Hazard category code as defined in Stores Systems 3 (SS3), listed below:

Hazard Code	Definition
0.0	Non Hazardous
2.1	Flammable Gas
2.2	Non Flammable Non Toxic gases
2.3	Toxic Gases
3	Flammable Liquid
4.1	Flammable Solid
4.2	Substance Liable to Spontaneous Combustion
4.3	Substance that in contact with water emit flammable gases
5.1	Oxidising Substance
5.2	Organic Peroxide
6.2	Toxic Substance
7A	Radioactive III
7B	Radioactive II
7C	Radioactive I
7X	Radioactive
8	Corrosive substance
9	Miscellaneous Dangerous Substance Article
9A	Hazardous store considered non dangerous for carriage
9B	Packaged Magnetised material with a field strength less than 0,195 ampere per metre (0.0021 Gauss) at a distance of 2.1 Meters (7 Feet)
9C	Asbestos Article Considered Non dangerous for carriage
??	Awaiting classification

7.6. Candidate items for codification are to be designated as either, 'Consumable' 'Repairable' or 'Limited' and include the proposed depth repair organisation details for items identified as 'Repairable'.

7.7. The report includes relevant drawings, technical information, specifications and physical characteristics to facilitate the Authority in the completion of the codification process, through NATO Codification Bureau (NCB) for each unique candidate Item of Supply requiring codification,

in accordance with DEFCON 117.

7.8. The Data supplied for candidate Items is to be validated by the Authority and therefore there will be repetition of submissions required from the Contractor. This will be based on responses from the Codification Authority seeking further clarification on the data required. The information supplied by the Contractor will only be used for codification purposes IAW DEFCON 117.

7.9. Data is to be recorded using a Microsoft Excel spreadsheet as detailed at Section 10 with drawings in a PDF format.

8. Intellectual Property Rights

8.1. **Applicable DEFCONs**

8.1.1 DEFCON 16 (Edn. 04/10) – Repair and Maintenance Information
8.1.2 DEFCON 21 (Edn 10/04) - Retention of Records
8.1.3 DEFCON 117 (Edn. 10/13) – Supply of Information For NATO Codification and Defence Inventory Introduction.

8.2. **Special IP Conditions**

None

9. Update/Further Submission Requirements

9.1. Draft submission to cover long lead items to be delivered two months after Contract Award.

9.2. Final submission to be delivered six months after Contract Award, in order for declaration of Logistic Support Declaration (LSD) in accordance with the Acceptance Process at Schedule 10 to the Contract.

9.3. No further submissions anticipated, see Clause 7.8.

10. Medium of Delivery

10.1. Codification data in Electronic MS Office 2016 compatible format for draft and final versions.

10.2. Electronic Adobe PDF format for draft drawings to supplement codification data, where required.

10.3. Draft and Final versions to be submitted on optical media in agreed format, appropriate to classification, as per 10.1 and 10.2 above.

10.4. Additional hardcopy for final versions.

11. Number of Copies

Two sets shall be provided to the Authority (one set being deemed for the Authority's Master Library and one set for the verification of all documents necessary to meet the requirements, referenced DEFSTANs and other referenced documents specified in Section 6).

CDR 002 – Technical Documentation

1. Contract Number	2. CDR Number	3. Data Category	4. Contract Delivery Date
ARTYSYS/00304	002	Repair, Maintenance and Operation Information	See Schedule Item

5. Equipment/Equipment Sub-system Description	6. General Description of Data Deliverables
Muzzle Velocity Radar (MVR) System	**Technical Documentation** In accordance with: 6.1. Statement of Requirement (SOR) at Schedule 6 to the Contract. 6.2. Authority DID 19 at Schedule 11 to the Contract. 6.3. DEFSTAN 00-600: Integrated Logistic Support (ILS). Requirement for MOD Projects. Issue 5, Dated 14 Apr 2018. 6.4. AESP 0100-P-005-010 - Specification for Army Equipment Support Publications Category Content and Layout. Edition 4 Amendment 8, Dated 18 Dec 2015.

7. Purpose for which data is required

7.1. Operation of the equipment by or for the Services.

7.2. 1st/2nd level maintenance of the equipment by or for the Services.

7.3. User manuals for operation of System during User Acceptance Trial (UAT)

7.4. As part of the Trials Training Pack, the Contractor is to provide the necessary draft User Manuals to enable the Authority to operate the MVR System safely during the UAT, including relevant warnings and cautions.

7.5. Technical Documentation

7.6. The purpose of this CDR is to provide the Authority with the technical Information required by the User, to operate and maintain the equipment in a safe manner and in accordance with the Contractor's recommendations, sustaining Availability requirements. The Army Equipment Support Documentation (AESP) information categories that are applicable to the equipment will be derived from the outputs of the Contractor's Support Analysis, in agreement with the Authority.

7.7. The existing MVR AESP OCTAD suite 1285-C-100 consists of the following categories 101, 111, 201, 211, 302, 512, 522, 532, 711, 741 and 811. Furthermore, the Muzzle Velocity Data Retrieval Laptop is covered by 7010-K-100 but limited to the category of 741.

7.8. New AESP Technical Documentation for MVR is required to use a new AESP OCTAD series, with the existing 1285-C-100 and 7010-K-100 remaining extant to support the legacy system.

7.9. The in-scope categories of Technical Documentation to be delivered by the Contractor, as specified in Section 9, will be subject to review and verification by the Authority as part of the Support Analysis process. The Equipment Support Policy Directive (AESP category 111) is the responsibility of the Authority. The Contractor is also required to deliver an Inspection Report to enable the Authority to conduct receipt in-inspections of the MVR System following manufacture. The Authority will produce the ESPD based on the Inspection Report delivered by the Contractor.

7.10. The Contractor will supply a complete set of the required updated Technical Documentation, as specified in Section 9, for the Authority to verify and validate prior to publishing on Technical Documentation Online (TDOL).

7.11. Full Description / Product Composition

7.12. Technical Documentation will use Army Equipment Support Publication (AESP) format. Guidance is provided in AESP 0100-P-005-010.

7.12.1. AESPs incorporate electronic, index and reference linking in the production of each final version Adobe PDF formatted document and have Pagination Instructions for each separate deliverable detailing Left and Right Pages and the printing details for by each page throughout the AESP.

7.12.2. All Technical Documentation are to be subject to verification and validation (user/maintainer demonstrations) prior to acceptance by the Authority at the formal Logistic Support Committee (LSC) in accordance with the Acceptance Process at Schedule 10 to the Contract.

7.13. Individual documents are to be maintained by the Contractor throughout the MVR's life as specified in the Contractor's Technical Documentation Management Plan (TDMP – DID 11), and in accordance with Section 9 of this CDR.

7.14. Technical Documentation will be subject to annual reviews/updates and validated by the Authority prior to acceptance. Documentation will be subjected to initial verification by the Authority and include full validation by the User community prior to final acceptance of any technical publication by the Authority. It is anticipated full validation will be performed during the User Acceptance Trial (UAT).

7.15. The outputs of the Contractor's Support Analysis (SA) may identify changes or creation of activities, processes and/or controls, which are to be discussed with the Authority prior to implementation. All updates are to be in agreement with the Authority. Other supporting evidence that will affect the content of the Documentation are the results of Failure Modes, Effect Criticality Analysis (FMECA), Level of Repair Analysis (LoRA) and maintainability assessments, which will be subject to review at the Engineering Judgement Panel.

7.16. Technical Documentation will contain:

7.16.1. Information required for the Authority to perform equipment operational planning and materiel assessments for use in a particular environment and/or situation, enabling the forecast of support required to repair and maintain the equipment throughout its planned life.

7.16.2. User Operator Instructions detailing how the equipment is used, maintained and managed by the User/Operator.

7.16.3. The technical specification, design, operation and function of the equipment.

7.16.4. Technical guides for the User and Maintainer in locating and diagnosing a failure to the specific equipment or component that has failed.

7.16.5. Detail how a repair, function is to be performed including supporting diagrams and drawings to ensure all instructions are clear and easy to follow by the User and Maintainer.

7.16.6. The technical standard of acceptable tolerances for the inspection and repair including the sentencing of the equipment and associated components.

7.16.7. Detail any required tools, spares, facilities, safety instructions and support Documentation required for the operational use and maintenance of the equipment.

7.16.8. Detail corrective and scheduled maintenance tasks and activities to be performed by the User, Level 2 and 3 Maintainer.

7.16.9. Detail User and Maintainer parts either as part of Complete Equipment Schedule (CES) or for detailing as part Illustrated Parts Catalogue (IPC).

7.16.10. Details how a modification is embodied by the User and/or Maintainer where the equipment is agreed by the Authority to require modification after product design freeze. Modifications also include general instructions relating to part changes that are outside of the parts catalogue/CES. Modifications to equipment (Post Design Services) and Technical Documentation are to be actioned via the Task Authorisation Form (TAF) mechanism, and

are then subject to the TAF process at Condition XX to the Contract.

8. Intellectual Property Rights

8.1 Applicable DEFCONs

8.1.1 DEFCON 15 (Edn. 02/98) – Design Rights and Rights to Use Design Information
8.1.2 DEFCON 16 (Edn. 04/10) – Repair and Maintenance Information
8.1.3 DEFCON 21 (Edn. 04/10) – Retention of Records

8.2 Special IP Conditions

None

9. Update/Further Submission Requirements

9.1. Draft User Manuals to be delivered two months after Contract Award, in order to be used on UAT.

9.2. Draft submission of updated Technical Documentation to be delivered three months after Contract Award.

9.3. Final submission of updated Technical Documentation to be delivered eight months after Contract Award, to enable declaration of LSD in accordance with the Acceptance Process at Schedule 10 to the Contract.

9.4. In the event of a change in policy or process, incidents being recorded, or Form 10s raised, Technical Documentation will be subject to annual reviews by the Authority.

9.5. There are no anticipated updates of the Technical Documentation throughout life of the MVR System. Changes to be tasked via the Task Authorisation Form (TAF) mechanism, as specified in the Schedule of Requirements.

10. Medium of Delivery

10.1. Minimum of draft hardcopy User Manuals to enable the Authority to operate the System safely during the UAT. Electronic (MS Office 2016 compatible format for draft versions)

10.2. Final version in Adobe PDF compatible format.

10.3. Draft and Final versions to be submitted on optical media in agreed format, appropriate to classification, as per 10.1. and 10.2. above.

10.4. Additional hardcopy for final versions.

11. Number of Copies

Two sets shall be provided to the Authority (one set being deemed for the Authority's Master Library and one set for the verification of all documents necessary to meet the requirements, referenced DEFSTANs and other referenced documents specified in Section 6).

CDR 003 – Training Pack

1. Contract Number	2. CDR Number	3. Data Category	4. Contract Delivery Date
ARTYSYS/00304	003	Operation Maintenance/Repair/Reconditioning	See Schedule Item

5. Equipment/Equipment Sub-system Description	6. General Description of Data Deliverables
Muzzle Velocity Radar (MVR) System	**Training Pack 1 – Trials and User/ maintainer, including Level 1 Maintenance.** **Training Pack 2 – Level 1 User/Maintainer T3 Training** In accordance with: 6.1. Statement of Requirement (SOR) at Schedule 6 to the Contract. 6.2. Authority DID 18 at Schedule 11 to the Contract.

7. Purpose for which data is required

7.1. Operation of the equipment by or for the Services.

7.2. 1st/2nd level maintenance of the equipment by or for the Services.

7.3. Identify any additional Training requirements or amendments to Training that is generated by the Obsolescence Programme. This will cover introduction to Service of the MVR System and determining what the training gap is between the Performance Standards (PS) required of (Operator or Maintainer) against the existing training Performance Standard(s).

7.4. Trials Training Pack

7.5. The Contractor is to provide a Trials Training Pack for the Pre-User Trial Training Course, in accordance with the Training Acceptance Process at Schedule 10 to the Contract.

7.6. The pack covers the conversion training that is to be delivered to the five Users (all of whom will be experienced in operating the previous MVR System) that are to conduct the System Acceptance Trial (SAT) and User Acceptance Trial (UAT) with the first batch of MVR Systems.

7.7. T3 Training Pack

7.8. The purpose of this CDR is to provide the Authority with the training Information required by the Training Community to conduct Train the Trainer (T3) courses, with supporting information for each associated lesson plan.

7.9. This CDR is to enable the Training Community to conduct lesson plans with the required technical and operational/functional procedures, in order for the User and Maintainer to operate and maintain the equipment in a safe manner. All procedures are to be in accordance with the Authority's Training and Concept of Use doctrine.

7.10. Verification and Validation is to be performed by the Contractor on all training media, prior to the Acceptance Panel, as this will form the Authority's validation of the Contractor's Training Gap Analysis (TGA).

7.11. The Train the Trainer (T3) pack contains all required lesson plans which will be agreed with the Authority. This will form a generic training pack that will be tailored by the Training

Community for Royal Artillery (RA) T3 courses and Non-RA T3 courses.

7.12. Full Description / Product Composition

7.13. The Contractor will produce Course Design products in the form of a T3 Course Training Pack that is based on the existing training solution, including additional resource implications and training activities that need to be included into the new training solution, based on the agreed Training Gap Analysis (DID 18).

7.14. Content and Media format to be agreed by Royal Artillery Trials & Development Unit (RATDU) Subject Matter Expert (SME) at the formal Training Steering Group (TSG) in accordance with the Acceptance Process at Schedule 10 to the Contract.

7.15. The Contractor will supply the content of the Training Pack based on agreed Technical Documentation, with supplementary screen shots and step-by-step diagrams/photographs in the describing of each lesson plan relating to the function/maintenance activity.

7.16. The Contractor will provide T3 Course students the following documentation at the end of the T3 Course in order to allow students to deliver their own cascade training, in unit:

7.16.1. T3 instructional courseware to include Course Training Package and lesson plans (to incorporate any multimedia teaching aids).

8. Intellectual Property Rights

8.1 Applicable DEFCONs

8.1.1 DEFCON 16 (Edn. 04/10) – Repair and maintenance Information
8.1.2 DEFCON 21 (Edn. 04/10) – Retention of Records

8.2 Special IP Conditions

None

9. Update/Further Submission Requirements

9.1. Trials Training Pack for one month after Contract Award, in order to be used on UAT.

9.2. Draft T3 Training Pack for four months after Contract Award.

9.3. Final T3 Training Pack for eight months after Contract Award, to enable declaration of Ready For Training Declaration (RFTD).

9.4. No updates anticipated after RFTD.

10. Medium of Delivery

10.1. Minimum of draft hardcopy Trials Training Pack prior to Authority's UAT.

10.2. Electronic (MS Office 2016 compatible format for draft and final versions).

10.3. Final version in Adobe PDF compatible format.

10.4. Draft and Final versions to be submitted on optical media in agreed format, appropriate to classification, as per 10.2. and 10.3. above.

10.5. Additional hardcopy for final versions.

11. Number of Copies

Two sets shall be provided to the Authority (one set being deemed for the Authority's Master Library and one set for the verification of all documents necessary to meet the requirements, referenced DEFSTANs and other referenced documents specified in Section 6).

CDR 004 – Manufacturing Data Pack

1. Contract Number	2. CDR Number	3. Data Category	4. Contract Delivery Date
ARTYSYS/00304	004	Manufacture Operation Interface information	See Schedule Item

5. Equipment/Equipment Sub-system Description	6. General Description of Data Deliverables
Muzzle Velocity Radar (MVR) System	**Manufacturing Data Pack** In accordance with: 6.1. Statement of Requirement (SOR) at Schedule 6 to the Contract. 6.2. Authority DID 25 at Schedule 11 to the Contract. 6.3. DEFSTAN 00-600: Integrated Logistic Support (ILS). Requirement for MOD Projects. Issue 5, Dated 14 Apr 2018. 6.4. DEFSTAN 05-010: Product Definition Information. Issue 7, Dated 14 Jun 2018.

7.1. Purpose for which data is required

7.1.1. Future competitive tendering for manufacture and supply of equipment.

7.1.2. Operation of the equipment by or for the Services.

7.1.3. Where modifications are required to enable the articles to interface with equipment supplied by a third party.

7.1.4. The Manufacturing Data Pack includes that data which defines the physical geometry, material and acceptance/conformance criteria of the article and its components, for use by Ministry of Defence (MOD) when awarding competitive contracts for the manufacture, assembly and acceptance of the articles described.

7.2. Full Description / Product Composition

7.2.1. All data to be supplied as part of the Manufacturing Data Pack pursuant to a Contract Data Requirement is to be prepared in accordance with DID 25.

8. Intellectual Property Rights

8.1 Applicable DEFCONs

8.1.1 DEFCON 15 (Edn. 02/98) – Design Rights and Rights to Use Design Information
8.1.2 DEFCON 21 (Edn. 04/10) – Retention of Records

8.2 Special IP Conditions

None

9. Update/Further Submission Requirements 9.1. Draft to be delivered two months after Contract Award. 9.2. Final version to be delivered six months after Contract Award, to enable declaration of LSD in accordance with the Acceptance Process at Schedule 10 to the Contract.

10. Medium of Delivery	11. Number of Copies
10.1. Electronic (MS Office 2016 compatible format) for draft and final versions. 10.2. Final version in Adobe PDF compatible format. 10.3. Draft and Final versions to be submitted on optical media in agreed format, appropriate to classification, as per 10.1. and 10.2. above. 10.4. Additional hardcopy for final versions.	Two sets shall be provided to the Authority (one set being deemed for the Authority's Master Library and one set for the verification of all documents necessary to meet the requirements, referenced DEFSTANs and other referenced documents specified in Section 6).