IRM16/1302 –Statement of Work – Repair of Mastiff Run Flat Wheel and Tyre Assemblies

## Introduction

### The Wheel and Tyre Assembly covered by this Statement of Work (SoW) is used on the Cougar Range of vehicles that are part of the Protected Mobility Vehicle Programme (PMVP) Project Teams (PT) In Service Platform (ISP) and forms the Run Flat Wheel and Tyre assembly.

### The operational role of Armed Service equipment is significantly different to that of equivalent commercial equipment. It is therefore essential to ensure that this equipment is reliable in the field and that the user has the necessary confidence that it will survive the rigours of service use. This philosophy is reflected in the requirements of this specification.

### It is a requirement of the MoD that the contractor holds and maintains for the duration of the contract a recognised third party Quality Accreditation Certification (UKAS or International equivalent). All repairs and overhaul practices must conform to all relevant legislations.

### There may be circumstances, such as Urgent Operational Requirements (UOR), where it will be to the authority’s benefit to accept delivery of products that do not conform to contract requirements (Concessions), as detailed in Defence Standard 05-61 (Part 1), but there must be a clear and demonstrable benefit to the Authority. Concessions must be approved in writing by the Repair Manager.

### The performance of the completed assemblies shall meet or exceed that of the Original Equipment Manufacturers (OEM)/MoD specification. If any difference should exist between the OEM and the MoD specifications, either in build or test criteria, then the MoD will generally take precedence; however, the contractor shall seek guidance from the Repair Manager.

## Scope of Work

* 1. This Statement of Work covers the Repair and Overhaul of the Cougar Run-Flat wheel assembly and any associated components attributed to the assembly, which has the NATO Stock Number (NSN): 2530-01-555-5033.
  2. Assemblies that require either repair or refurbishment will be returned to the contractors premises. They will be returned to the Authority Stores at Bicester. On occasions there may be a need for a unit to deliver an assembly directly. There may also be occasions when tyres will need to be delivered directly to a unit or an alternative location. These will be advised by the Repair Manager.

#### Table 1;

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | NSN | Equipment Name | Platform | DMC |
| 1 | 2530-01-555-5033 | Wheel, Pneumatic Tyre | Cougar | 7MF |

## Technical authority

* 1. Contractual generated technical enquiries shall be sent via the Repair Manager for onward transmission to the Protected Mobility Vehicle Programme (PMVP) – In Service Project (ISP) Manager at Abbey Wood.

## Quantities

* 1. In accordance with DEFCON 617, the quantities referred to in Schedule (**TBC**) are estimated quantities only. The Authority may order more or less than the estimated quantities. The figures are for guidance only and no guarantee can be given of specific quantities for repair.

## Detailed repair requirement

* 1. The following items are to be considered as mandatory 100% replacement components regardless of condition:
     1. All seals, ‘O’ rings and gaskets.
     2. All throw away locking devices, tab washers, nylon Insert nuts, split pins, retaining rings & locking wire etc.
     3. All flexible hoses.
     4. All ‘P’ Clips.
     5. All bearings, bushes and thrust washers.
     6. All oils and lubricants.
     7. Screws, nuts, bolts and spacers etc.
     8. All fuses
     9. Shelf-Life items

This is not a comprehensive list and shall not be used as a reason to limit the replacement of parts, the contractor is to use their knowledge/expertise to asses all components and replace where necessary any components which, in the opinion of the Contractor, may affect reliability.

* 1. The Contractor shall be responsible for the procurement of all replacement parts and they shall meet or exceed the OEM specification and shall be purchased from an approved supplier. Certificates of Conformities (CoC’s) shall be obtained for all parts which have not been sourced from the OEM. These CoC’s shall be made available to the Repair Manager upon request. Any concessions shall be dealt with in accordance with Def-Stan 05-61 Part1, Issue 5.
  2. The Contractor shall permanently fix an identification plate to the assembly indicating that they have been subject to repair. The plate shall record:
     1. Re-manufactured for MoD.
     2. Authority’s Job Number (e. g. PR160012345).
     3. Date of re-manufacture.
     4. Assembly Serial Number (if applicable).
     5. Warranty period (as per the Contract).
     6. Date of next Proof Test
     7. Date next due calibration
     8. Issue number
  3. Final testing of all assemblies shall be carried out in accordance with OEM/MoD procedures and standards. All test equipment used is to be provided, maintained and calibrated by the Contractor.
  4. On completion, the assembly should have the appearance of ‘as new’, however it is accepted that minor dents etc., may be dressed out and that minor imperfections that do not affect the operation of the equipment or impair the protective finish will be permissible.

## Control procedures

* 1. The Contractor has an obligation to safety. Any failures or incidents in relation to the equipment which affect safety shall be reported to the Repair Manager without delay.
  2. All Modifications approved by the OEM & MoD as defined in the latest technical documentation shall be incorporated as part of the repair. Unauthorised modifications **shall not** be incorporated. If any unauthorised modifications are identified they shallbe reported immediately to the Repair Manager for further investigation.
  3. The Repair Manager shall have the right of direct access to the Contactor’s premises subject to 5 days’ notice in writing being given to the Contractor.
  4. All repairs and overhaul processes must conform to all relevant legislations.

## Publications

* 1. Contractors are responsible for obtaining the latest OEM Publications, parts lists and supersession lists for the equipment.
  2. Publications produced by the MoD for service use are, in general, based upon the commercial publications but the format is specific to the service user. Contractors are responsible for obtaining and maintaining the latest issues of these publications.
  3. Associated Publications;
     1. DEF STAN: 00-56 Part 1 (Safety Management Requirements for Defence System).
     2. DEF STAN: 03-32 (Prep & Paint)
     3. DEF STAN: 05-57 (Configuration Management)
     4. DEF STAN: 05-61 (Quality Assurance Procedural Requirements)
     5. DEF STAN: 05-99 (Government Furnished Equipment)
     6. DEF STAN: 05-135 (Avoidance of Counterfeit Material)
     7. DEF STAN: 80-207 (Paint, Priming, Zinc Chromate, Non- Aircraft Use, Low VOC - Single or Multi-Pack)
     8. DEF STAN: 81-41 (Packaging of Defence Material)
     9. DEF STAN 81-71 (Cases, Wood, Packaging, Re-usable)
     10. AESP 0200-A-220-013 (Preservation, Identification and Packaging of Assemblies)
     11. EMER T&M A028 Chap 13 (Non Destructive Testing (NDT) Techniques)
     12. EMER T&M A028 Chap 56 (Inspection and Testing of Mechanical Components)
     13. BS 8887 (Design for manufacture, assembly, disassembly and end‑of-life processing (MADE)
         1. Part 2 (Terms and definitions)
         2. Part 220 (The process of remanufacture – Specification)

## Documentation

* 1. A deliverable Quality Plan (QP) is not required. Contractor to advise whether there is a quality plan for procedures, processes and specifications to cover the Cougar Run-Flat assembly – NSN: 2530-01-555-5033. Repair Manager will examine this to ensure that all aspects of the repair are covered.
  2. At the commencement of the Contract, and thereafter at reasonable intervals, the Repair Manager and Contractor shall agree a ‘production plan’ for the repair. The Contractor shall provide a monthly report on the progress of the repair work against the plan to the Repair Manager. The contractor shall also provide quarterly financial accrual information to the Repair Manager.
  3. The contractor is to keep records of all visits/survey reports, approvals, Inspection and Test certificates, concessions and costs incurred in the Repair/Remanufacture of the equipment. These records shall be retained for all assemblies for a period of at least 7 years and made available to the Repair Manager upon request. Where there is a legislative requirement to keep any documents for longer than 7 years the contractor must keep the documents in accordance with the legislation.

## Preservation & packing

* 1. Completed assemblies shall be preserved and packaged to the level identified on the Purchase Order in accordance with DEF STAN 81-41 and if applicable the relevant Service Packaging Instruction Sheet (SPIS).
  2. Any replacement wood used in packaging must be ISPM 15 compliant and carry the Forestry Commission, Heat Treated, mark (see figure 1).

#### Figure. 1