

**Solicitation W56HZV-14-R-0248**  
**Specification (Attachment 0001)**  
**May 2, 2014**

**METRIC TOOL SET, GENERAL MECHANIC**

**THE TOOL SET SHALL BE PROVIDED WITH ALL NEW COMPONENTS, AND HAVE THE FOLLOWING MINIMUM FEATURES AND CAPABILITIES:**

**1. CONFIGURATION**

- 1.1. The items in the tool set shall be the latest model available.
- 1.2. The tool set shall contain:
  - 1.2.1. 40-piece chrome-plated, 3/8" and 1/2" drive socket and ratchet handle set including:
    - 1.2.1.1. 13-piece 3/8" drive standard sockets
    - 1.2.1.2. 18-piece 1/2" drive standard sockets
    - 1.2.1.3. 2-piece 3/8" drive spark plug sockets
    - 1.2.1.4. 2-piece 3/8" and 1-piece 1/2" drive extension bar
    - 1.2.1.5. 1-piece 3/8" and 1-piece 1/2" drive ratchet handle
    - 1.2.1.6. 1-piece 3/8" drive universal joint
  - 1.2.2. 3/8" drive to 1/4" drive socket adapter
  - 1.2.3. 9-piece 3/8" drive metric shallow-well socket set, 6-point (8mm to 16mm), chrome plated, heat treated steel, with holder
  - 1.2.4. 9-piece 3/8" drive metric deep-well socket set, 6-point (8mm to 16mm), heat treated steel, chrome plated steel, with holder
  - 1.2.5. 9-piece 3/8" drive metric standard socket set, 12-point (8mm to 16mm), heat treated, chrome plated steel, with holder
  - 1.2.6. 11-piece metric combination wrench set (7mm to 19mm), drop-forged, mirror polished alloy steel, with carry/storage case
  - 1.2.7. 5-piece pliers set, drop forged, heat treated carbon steel, chrome plated including:
    - 1.2.7.1. Adjustable multiple position pliers
    - 1.2.7.2. Diagonal cutter pliers
    - 1.2.7.3. Electrical wire cutter pliers
    - 1.2.7.4. Needle nose cutter pliers
    - 1.2.7.5. Slip joint pliers
    - 1.2.7.6. 10 in (25.4 cm) vise-grip pliers, with locking curved jaw, nickel plated
    - 1.2.7.7. Brake spring pliers, with slotted arm and anchor hole
  - 1.2.8. 42-piece screwdriver set, with magnetic tips, chrome plated steel shafts including:
    - 1.2.8.1. Slotted, Phillips, square, and star drivers
    - 1.2.8.2. Precision picks, tack, puller
    - 1.2.8.3. 9-piece SAE 1/4" drive sockets
    - 1.2.8.4. 9-piece metric 1/4" drive sockets
    - 1.2.7.5. Mini magnet parts tray
  - 1.2.9. 16-piece heavy duty punch and chisel set including:
    - 1.2.9.1. 5-piece taper punches
    - 1.2.9.2. 5-piece pin punches
    - 1.2.9.3. 2-piece center punches
    - 1.2.9.4. 3-piece cold chisels
    - 1.2.9.5. 1-piece chisel gauge
  - 1.2.10. 7-piece metric hex key set with ball-ends, black finish heat treated steel, including holder (Sizes: 1/8", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8")
  - 1.2.11. One 24 oz (0.68 kg) ball-peen hammer, high-carbon, steel forged head, hardened and tempered, hickory handle, rim-tempered face, polished face, length 15.25 in. (39 cm)
  - 1.2.12. One 2 lb (907 g) dead blow hammer, one piece composite construction, sand filled head
  - 1.2.13. One professional circuit tester light with heavy duty clip and 10 ft (3 m) retractable lead
  - 1.2.14. One 25-blade metric feeler gauge, S-2 chrome vanadium steel
  - 1.2.15. One pair safety glasses, impact resistant polycarbonate lens, meets ANSI Z87.1-2010 standard, UV protection, anti-fog and scratch resistant

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- 1.2.16. One ramp style spark plug gauge, high carbon steel and high quality chrome vanadium steel
- 1.2.17. One 25 ft (7.6 m) tape measure, steel and flexible, graduated in mm
- 1.2.18. One flexible pick-up tool with LED light, 5 lb (2.3 kg) magnet, magnetic shield, flexible shaft
- 1.2.19. One (10-150 psi) dual head air chuck, SUV and truck tire gauge, extended barrel, silver finish, heavy duty
- 1.2.20. One plastic 20 in (500mm) in length lockable tool box, with built-in organization compartments and lift-out carry tray

**2. FEATURES**

- 2.1. Language requirements:
  - 2.1.1. Manual(s) shall be provided written in English
  - 2.1.2. Any applicable warning/instruction labels provided shall be written in English or in universal symbols where appropriate

**3. RADIO FREQUENCY IDENTIFICATION (RFID) TAGS:**

- 3.1. Each Metric Tool Set, General Mechanic shall be tagged with a removable active RFID data rich tracking tag, specifically designated as either:
  - 3.1.1. Identec I-Q310 DRT
  - 3.1.2. Savi ST-654-031
  - 3.1.3. Evigia EV3-DRT
- 3.2. The active RFID tag shall have at least 128 Kbytes of memory.
- 3.3. The active RFID tag shall be compliant with ISO 18000/7 standards.
- 3.4. The tag shall be securely affixed to the set with two or more plastic cable ties.
- 3.5. The tag data and electronic data field format shall be in accordance with specifications established by Joint Total Asset Visibility (JTAV) version 2.0, section 3.4.1 "Commodity Item Database Format" with the following clarifications:
  - 3.5.1. The "document field" titled "DOCUMENT" shall be the document number (e.g. "milstrip") as specified by the Government procuring agency.
  - 3.5.2. The "MISC1" field shall be the item serial number, if available.
  - 3.5.3. The "MISC2" field shall be used for user comments (e.g. contract number).
- 3.6. The JTAV - V2.0 data format specification is available at:  
[http://www.ndia.org/Divisions/Divisions/Logistics/Documents/Content/ContentGroups/Divisions/1/Logistics/4RF\\_Tag\\_Data\\_Specification\\_V2.pdf](http://www.ndia.org/Divisions/Divisions/Logistics/Documents/Content/ContentGroups/Divisions/1/Logistics/4RF_Tag_Data_Specification_V2.pdf)