

ATTACHMENT 0004
ENGINEERING BILL OF MATERIAL (BOM)

SUMMARY TITLE: Engineering Bill of Material (BOM)

DATA ELEMENT SPECIFICATION: All data elements listed in this table shall be provided for all components, assemblies, subassemblies, and piece parts for the Self Propelled Concrete Saw (SPCS) unless specified elsewhere in this attachment. If there are concerns as whether or not a data element is required for specific components, assemblies, subassemblies, and piece parts then the contractor shall consult the Government for a final decision.

1. Part Number (Include both Prime and Supplier Part Numbers)
2. Item Name
3. Item Description
4. Next Higher Assembly (NHA)
5. Commercial and Government Entity (CAGE) Code
6. Unit of Measure (UM)
7. Unit of Measure Price (UM-Price)
8. Production Lead Time (PLT)
9. Precious Metal Indicator Code (PMIC)
10. Unit Weight
11. Quantity Per Assembly (QPA)

Notes:

- a) Delivery is to be Microsoft Excel compatible.
- b) Additional data elements may be added at contractor's discretion.
- c) See BOM Data Element Definitions for additional information.
- d) Additional information regarding some of the above data elements can be found in the GEIA-STD-0007-B (Logistics Products Data)

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BOM DATA ELEMENT DEFINITIONS

PART NUMBER – The Part Number is referred to as the primary number used to identify an item used by the manufacture (individual, company, firm, corporation, or government activity) which controls the design, characteristics and production of the item by means of its engineering drawings, specifications, and inspection requirements.

ITEM NAME – The item name shall be the common commercial/industrial name used to refer to an item.

ITEM DESCRIPTION – A data which provides a brief description of dimensional, materiel, mechanical, electrical, or other descriptive characteristics that can be used to identify an item.

NEXT HIGHER ASSEMBLY (NHA) – Indicates the parent or where used. This may be the part assigned to the item's kit, or the part assigned to a major component which is planned overhaul candidate for which the item is required.

COMMERCIAL AND GOVERNMENT ENTITY (CAGE) CODE - A five-character code assigned by the DLIS to the design control activity or actual manufacturer of an item as contained in the Cataloging Handbook H4/H8 Series. Assistance in finding CAGE codes may be found at http://www.dlis.dla.mil/cage_welcome.asp. If the CAGE for a vendor/supplier the companies name shall be used in place of the Commercial and Government Entity (CAGE) Code.

UNIT OF MEASURE (UM) – The UM is a physical measurement or count that describes how the item identified is measured. Reference material can be found using DOD 4100.39-M, Volume 10, Table 53.

UNIT OF MEASURE PRICE (UM PRICE) – The price for one unit of measure of the part stated in dollars and cents; the last two positions are cents, the decimal point is understood. This price must reflect the best estimated price the government would pay for the item from the original manufacture contractor.

PRODUCTION LEAD TIME (PLT) - The computed or expected time interval in months between placement of a new contract and shipment of the first deliverable quantity.

PRECIOUS METAL INDICATOR CODE (PMIC) - A code that indicates the amount and type of precious metal contained in a specific reference numbered item. The codes that the contractor shall use are listed below

- a) YG = This code identifies the use of gold in an item .
- b) YS = This code identifies the use of silver in an item.

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- c) YP = This code identifies the use of platinum in an item.
- d) N = No Precious metals used
- e) UK= the use of precious metals is unknown

UNIT WEIGHT – The weight of an item in pounds and ounces, weight shall only be listed for the End Item, assemblies and sub assemblies.

QUANTITY PER ASSEMBLY (QPA) - The contractor shall enter the total number of times the line item is used in the assembly of which it is a part.

ADDITIONAL DELIVERY INSTRUCTIONS

- 1) All items for the SPCS shall be listed by Part Number arranged in a Top Down Breakdown sequence based on their parent child relationship. Each time a child is listed under its parent the child's Part Number shall be indented one column to the right, if no parent other than the SPCS can be determined for an item then the purpose of that item shall be included in the item description.
 - a) Top Down Breakdown is defined as the pyramidal generation breakdown of an end item, with the top item being the complete end item. The process of the breakdown is established from the engineering drawing structure in a Next Higher Assembly (NHA) progression until the lowest repairable in each family group is identified.