Version: 1.0

TECHNICAL REQUIREMENTS DOCUMENT

FOR

5-YEAR INDEFINITE DELIVERY INDEFINITE QUANTITY (IDIQ)

SPARES PROCUREMENT CONTRACT FOR:
CABLE ASSEMBLY AND REEL POWER DISTRIBUTION UNIT

SYSTEM:
3KW TACTICAL QUIET GENERATOR, 60 HZ (MEP-831A)

VERSION REVISIONS

Version	Added/Deleted	Reason
Original 09/09/2025		

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APPLICABLE DOCUMENTS

Military and Federal Standards	
MIL-STD-130N w/Change 1	Identification Marking of U.S. Military Property
MIL-STD-129R w/Change 3	Military Marking for Shipment and Storage
MIL-STD-2073-1E w/ Change 4	Standard Practice for Military Packaging
Military and Federal Specifications	
N/A	
Other Documents	
Commercial Documents	
ISPM Number 15	Regulation of Wood Packaging Material in International Trade
ANSI/TA-STD-0016	Standard for Preparing a Diminishing Manufacturing Sources and Material Shortages (DMSMS) Management Plan
ANSI/ISO/ASQ(E)Q 9001-2015	American National Standard, Quality Management Systems-Requirements

CONFIGURATION BASELINE

The applicable Configuration Baselines (CB), for the listed Configuration Item (CI) and/or Computer Software Configuration Item (CSCI), are as listed in the table below.

NSN	**Nomenclature**	**Part Numbers/Drawings**
6150-01-697-4856	CABLE ASSEMBLY AND REEL PDU	GEN-2014101TN-8PT

Requirements for Configuration Management

Product Definition Information. The Product Definition Information describes a product's performance, functional and physical attributes, including the requirements and design information (specifications, drawings, design descriptions and software). Interfaces, including interfaces with other products, are also documented in the
Product Definition Information. The Product Definition Information shall be specified by the Contractor's Commercial Item Part Number (CIPN).

Description	**Specification Reference**
Overcurrent Protection: 20A Overload Circuit Breaker OLCB: The PDU shall have a 20A Overload Circuit Breaker to protect the equipment from overloads in case too much load is applied. The OLCB shall be temperature insensitive (hydraulic magnetic type)	UL1640 Para 15.2, Circuit Breakers
Suitable for use in indoor and out Locations – The housing of the PDU shall be rust proof, water tight meeting IPX6, MIL-STD-810 blowing rain requirements and 4X housing requirements. PDU housing must survive IPX6 water intrusion test	UL1640 Section 9, Enclosure; IEC 60529

Interface with 3kW TQG (pigtail connection): The PDU Shall interface with the terminals lug on the 3kW TQG without the need of Soldier or Marine modification. The interface can be direct cables or by a quick disconnect pigtail with the cables that interface.	N/A
Operate at high temperature (125F): The PDU shall operate with a full load (20A) at a temperature of 125F with no degradation of performance.	UL1640 Section 9, Temperature Test
Operate at low temperature (-25F): The PDU shall operate with a full load (20A) at a temperature of - 25F with no degradation of performance.	UL1640 Section 9, Temperature Test
Drop: The PDU shall survive 4ft drop without degradation in performance.	UL1640 Section 48 Drop Test, Para 48.1
The PDU shall meet the operational and fabrication requirements UL 1640 requirements.	UL1640 Section 7, Current Carrying Parts
The PDU shall have two (2) 20A Industrial Grade Weather / Tamper-Resistant Duplex Self-Test GFCI Receptacles. The Receptacles shall be covered by an enclosure that will keep them watertight during outdoor rain conditions.	UL1640 Para 9.6 Cord Connected Equipment
Cable: The cable between the power source and the PDU shall be a 50', 10AWG SOOWJ cable, wet and sunlight resistant.	UL1640 Para 13.2, Cord Connected Equipment
The housing shall be made of corrosion resistant material or protected against corrosion. The distribution unit shall be painted Tan color 686A	UL1640 Para 11, Corrosion Protection

Configuration Change Process. The contractor shall establish a system for managing the configuration changes to the CIPN baseline.

CIPN Configuration Baseline. The Contractor's Commercial Item Part Number (CIPN), as defined by the Contractor's specifications, drawings, catalog page, etc., at the time of award of this contract, shall form the Configuration Baseline for this acquisition.

The applicable Configuration Baseline (CB) for the listed Configuration Item (CI)/Computer Software Configuration Item (CSCI) is as follows:

CI/CSCI	CB
GEN-2014101TN-8PT	CABLE ASSEMBLY AND REEL PDU

Configuration. Each CI/CSCI, as developed/built and delivered, shall conform to the cited CB and (if applicable) and any subsequent CB's that will be made contractually binding by the Procuring Contracting Officer (PCO).

Application Management

Application Management. In performing Application Management, the Government must assess the impact

of design changes to the Configuration Item. The Government is the Configuration Management authority on application management for all external applications and for all Major changes that affect the Commercial Item Part Number (CIPN) specified in paragraph titled Product Definition Information. A Major change is defined as any change that will impact any of the following conditions of the CIPN:

(a) Overall performance and Form, Fit, Function and Interface (F3I) Characteristics.
(b) Reliability, Maintainability and Survivability
(c) Electromagnetic Interference (EMI), air worthiness certification, or other pertinent requirement.
(d) Safety
(e) Support, operational and training requirements
(f) Impact on Technical Manuals, Repair Parts and Special Tools Lists (RPSTLs), DMWRs, Provisioning Parts List (PPL), etc.
(g) Impact on Cost and/or Schedule.
(h) Impact on test equipment, support equipment and associated software.
(i) Software.

Application Activity. The Government is an Application Activity (AA) for changes that affect the Contractor's CIPN. The Government does not possess document change authority over the changes affecting the CIPN. As part of the Government's Application Management process, the Government as AA does have a right to review
or be notified of changes made by the Contractor that will affect any of the conditions identified in the paragraph titled Application Management. Any changes that affect these conditions shall be submitted for Government review or notification IAW the procedures outlined below (para Departures from CB). Configuration changes not directly affecting the configuration baseline conditions identified in paragraph titled Application Management do not require Government review or notification.

Request For Change (RFC). The Request for Change (RFC) includes both the engineering change and the supporting documentation by which the change is described and suggested. An RFC describes changes to the CI/CSCI and associated Contractor documents and data (if applicable) that are affected by the proposed engineering change. The RFC also describes a full impact analysis of the effect of the change on the logistics, interface, design, cost, and schedule requirements of the CIPN. CDRL reference A001.

RFCs could be generated as any of the following categories: Change Directive; Change Request; Engineering Change Package; Engineering Change Proposal; Engineering Change Request; Engineering Change Memo; Engineering Change Notice.

RFCs may contain some of the following elements:
(a) A unique change identifier; identification of originating organization and responsible individual.
(b) Change classification,
(c) Identification of product(s) (including components and interfacing products) affected by the change.
(d) Change description and scope (including effects on performance, operation, maintenance, servicing, operation and maintenance training, repair parts, support and test equipment, cost, schedule, and any other effect on physical, functional, and logistics characteristics of the CIPN).
(e) Reason and justification for the change and consequences of not incorporating the change.
(f) Estimated cost increase or savings.

(g) Change implementation and impact on delivery schedule.
(h) Criteria, if any, for retrofitting products.

Contractor-approved changes that adversely impact any of the CIPN conditions listed in paragraph title Application Management may require re-evaluation by the Government of the CIPN. Re-evaluation may include operational testing re-assessment or re-assessment of the logistics impact of the proposed change. An approved change to the design of the CIPN must be verified to ascertain that the CIPN has achieved the functional attributes and requirements specified in the baselined Product Definition Information (CIPN) and that it is adequate for its intended purposes. The Government is not obligated to accept any CIPNs that no longer meet the Government's requirements as established by the CIPN at the time of contract award.

Obsolescence Management Requirements / Obsolete Components and Materials

See above statement, paragraph titled Request For Change (RFC) and its subsections. All changes or departures, to include part obsolescence, and product improvements, shall be submitted to the Government via Obsolescence Alert Notice. The report shall include a reference to the original part number from the TDP or RPSTL and the replacement part. Reference CDRL B001.

Part Revisions

Departures from Configuration Baseline (CB). No changes or departures from the CB are acceptable except for changes or departures which are submitted in accordance with DI-MISC-80711A and are approved by the Government Configuration Manager (C Mgr.) or Configuration Management Officer (CMO) and which are made applicable to the contract by the PCO. Configuration Control shall be affected by the Configuration Control Documents (CCDs) as follows:

Engineering Change Proposal (ECP) includes both the engineering change and the supporting documentation by which the change is described and suggested. An ECP describes changes to the CI/CSCI and associated Government documents and data that are affected by the proposed engineering change.

A Notice of Revision (NOR) shows the detailed changes that must be made to technical documentation, except specifications, (one NOR per document) following approval of an ECP. The NOR is submitted as part of the ECP and is used to determine any Technical Manual (TM) impacts. The Government must be notified of any part changes in order to update the proper TMs.

A Specification Change Notice (SCN) is used to delineate the exact change(s) in a specification that will be distributed to users when the ECP is approved. The SCN is submitted as part of the ECP. The SCN is not used for a military or federal document, only a Request for Waiver can be used for those documents.

Value Engineering Change Proposal (VECP) is the same as an ECP except there are proposed cost savings for the program. The contractor shall follow the guidance in Section I of this contract for VECPs.

Request for Waiver (RFW) describes a departure from configuration documentation for a specific number of units or period of time. Contractor shall identify the impact of the RFW on performance, operational readiness and logistics support of the affected CIs. The Government will require compensation for any RFW.

Contractor shall provide all supporting program or cost data with the CCD. The contractor shall uniquely and sequentially identify (including the use of the contract number) each ECP, VECP, NOR, SCN or RFW. The identification number should use less than 16 characters.

Identification of Authorized Personnel. The contractor shall identify to the PCO, Administrative Contracting Officer (ACO), and the technical office identified on the DD Form 1423 for DI-MISC-80711A, the name(s) of the official(s) of its organization who are authorized to submit CCDs 30 Days after Contract (DAC).

Documentation. The contractor shall document by serial number each products configuration, applicable documentation, maintenance support requirements and spares in relation to the contractor's configuration baseline. The data in use shall be available for government review and use.

Use of CB Data. The contractor shall assure that all necessary contractor's activities have access to and use of the contractually specified configuration baseline(s), approved changes and departures, and effectivity data. The data in use shall be available for government review and use.

SPECIAL INSTRUCTIONS

Requirements for Item Marking. Part Number Marking. Each item delivered under contract, along with each assembly, sub assembly, and module, shall be legibly marked with the appropriate part number and manufacturer's identification. Hardware such as screws, nuts, bolts, etc., need not be marked. This requirement should be entirely met by the contractor's standard commercial marking. However, if there is any question about marking it shall be directed to the Contracting Officer for resolution.

Requirements for Final Inspection and Test . The contractor shall implement and maintain a Final Inspection and Test System that meets or exceeds the requirements established below. These requirements are commonly accepted practices employed by industry.

Quality System . The contractor shall establish/maintain an effective inspection and test system for final inspection and test of completed products IAW ANSI/ISO/ASQ(E) Q9001-2015.

Inspection and Testing Procedures . The contractor shall utilize documented procedures for final inspection and testing of finished products to ensure that all contract requirements are satisfied.

Inspection and Testing . The quality system shall assure that all final inspections and tests required satisfying contract requirements are conducted.

Records . The contractor shall maintain adequate records of final inspections and tests to demonstrate that the product satisfies contract requirements.

Measuring, Testing, and Inspection Equipment . The contractor shall provide and maintain gages (including production tooling used for inspection purposes) and other measuring and testing equipment to assure that finished products conform to contract requirements. These devices shall be calibrated against certified measurement standards that are traceable back to national/international standards.

Inspection and Test Status . The contractor shall maintain a system for the identification of the final inspection and test status of all products.

Nonconforming Material . The contractor shall establish and maintain a system for controlling material that does not satisfy contract requirements, including procedures for its identification, segregation, and disposition (rework/repair, scrap, etc.).

Corrective Action . The contractor shall promptly act to correct nonconforming materials and processes to preclude the recurrence of the problem and to satisfy contract requirements.

Training Requirements . The contractor shall identify/provide for the training needs of their personnel performing inspections and tests.

Handling, Storage, Preservation, Packaging, and Shipping . The Contractor shall establish, maintain, control, and be responsible for the procedures for handling, storage, preservation, packaging, and shipping to protect the quality of materials and to prevent damage, loss, deterioration, degradation, or substitution of products.

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PACKAGING

Wood Packing Material

Wood Packaging Material in compliance with ISPM 15, Regulation of Wood Packaging Material in International Trade, is applicable.

Wood packing material includes pallets. See DLAD T/Q Requirement RP001 DLA Packaging Requirements for Procurement, which includes requirements for treatment of wood packaging material.

Military Packaging

Military Packaging in accordance with MIL-STD-2073-1 is applicable.

DS7029 - DS7033 LEGEND	
Qty	Quantity
Prot Req	Protection Required
PKG-REF	Packaging Reference (Military/Federal Specification or Standard)
SPI	Special Packaging Instruction
LPK	Level of Packing
QUP	Quantity per Unit Pack
ICQ	Intermediate Container Quantity
Pkg Reqmt Codes	Packaging Requirement Codes when PKG-REF cites MIL-STD-2073
The below codes are for special markings:	
PC	Project Code
WG	Warranty/Guarantee
SL	Shelf Life
BC	Bar Code
FMS	Foreign Military Sales

DS7029 - DS7033																		
NSN	**Prot Req**	**PKG-REF or SPI**	**LPK**	**QUP**	**ICQ**													**Special Markings**
						Pkg Reqmt Codes	**J. I. (MP)**	**J II. (CD)**	**J III. (PM)**	**J IV. (WM)**	**J V. (CD)**	**J VI. (CT)**	**J VII. (UC)**	**J VII.a (IC)**	**J IX (PK)**	**J X (SM)**		
6150-01-697-4856	Military	MIL-STD-2073-1E	B	001	01		31	1	00	00	NA	D	ED	00	Q	00	BC

CONTRACT DATA REQUIREMENT LIST (CDRL) DD 1423-1

CDRL List

CDRL Data Line No.	DID Identification		Title
A001	DI-MISC-	80711A	Scientific and Technical Reports – Configuration Control
B001	DI-MGMT-	81941	Obsolescence Alert Notice - DMSMS

Individual CDRLs

CDRLs are included in separate attachments.