

RECHARGE NOVEC 1230 FIRE SUPPRESSION SYSTEM IN RADAR ROOM,
AIR OPS, B1642
MCAS CHERRY POINT, NORTH CAROLINA 28533-0006
WORK ORDER #7048296

1.1. GENERAL INTENTION

Refill empty fire suppression tank.

1.2. LOCATION

B1642 Radar Room, at Air Ops. USMC CHERRY POINT, NC

1.3. DETAILED REQUIREMENTS.

The 1230 NOVEC Radar Room Fire Suppression system is inoperable due to a fire system discharge. The system was not damaged in any way and at this point only needs to be refilled with the proper chemical. There is one (1) tank that shall be recharged, with approximately 38 gallons of NOVEC 1230. The bottle will need to be tested by a certified NOVEC 1230 distributor for, pressure and leaks. This means the bottle must leave the radar room, for testing and refilling. The system requires NOVEC 1230 fluid and shall be refilled by a certified NOVEC 1230 distributor. After the bottle has been tested and recharged, then it shall be reinstalled and put back into service.

After Inspection and approval, turn all paperwork into the Contracting Officers Representative.

1.4. SPECIAL SCHEDULING REQUIREMENTS

Have materials, equipment, and personnel required to perform the work at the site prior to the commencement of the work. Specific items of work to which this requirement applies include:

The radar room will remain in operation during the entire refill period. The Contractor must conduct his operations so as to cause the least possible interference with normal operations of the activity.

Air Ops personnel such as air station tower and ATC personnel will be notified two (2) weeks prior to the start of work.

Permission to interrupt any activity roads, railroads, or utility service must be requested in writing a minimum of 15 calendar days prior to the desired date of interruption and in accordance with section 1.10.

The work under this contract requires special attention to the scheduling and conduct of the work in connection with existing operations. Identify on the construction schedule each factor which constitutes a potential interruption to operations.

1.5. CONTRACTOR ACCESS AND USE OF PREMISES

DBIDS has gone live at MCAS Cherry Point. In order to reduce wait time when exchanging your Rapid Gate credential, it is highly recommended each applicant pre-register at <https://dbids-global.dmdc.mil/enroll#!/>

Non-DoD cardholding visitors to Marine Corps Installations with a driver's license or ID issued by a state that is not compliant with the Real ID Act of 2005 will now need to provide an alternate form of acceptable identification to gain entry, or be escorted by an authorized patron of the air station.

North Carolina now issues REAL ID compliant driver's licenses, but many drivers have yet to be issued the new license. Drivers may get a North Carolina REAL ID driver's license at any NCDMV driver's license office.

The Act established minimum security standards for license issuance and production and prohibits Federal agencies from

accepting driver's licenses and identification cards from states not meeting the Act's minimum standards.

In absence of a compliant state issued driver's license or ID, one of the following federally approved forms of identification must also be provided in addition to the non-compliant driver's license or ID:

1. U.S. Passport
2. U.S. Passport Card
3. U.S. Coast Guard Merchant Mariner Card
4. Personal Identity Verification (PIV) Card
5. Personal Identity Verification - Interoperable (PIV-I)
6. U.S. State Department Driver's License
7. Veteran's Health Identification Card (Issued by the U.S. Department of Veterans Affairs)
8. U.S. Permanent Resident Card (Form I-551)
9. U.S. Certificate of Naturalization or Certificate of Citizenship (Form N-550)
10. Department of Homeland Security Employment Authorization Document (Form I-766)

1.5.1 ACTIVITY REGULATIONS

Ensure that Contractor personnel employed on the Activity become familiar with and obey Activity regulations including safety, fire, traffic and security regulations. Keep within the limits of the work and avenues of ingress and egress. Wear hard hats in designated areas. Do not enter any restricted areas unless required to do so and until cleared for such entry. Mark Contractor equipment for identification.

1.5.1.1 SUBCONTRACTORS AND PERSONNEL CONTRACTS

Provide a list of contact personnel of the Contractor and subcontractors including addresses and telephone numbers for use in the event of an emergency. As changes occur and additional information becomes available, correct and change the information contained in previous lists.

1.5.1.2 ADDITIONAL PERSONNEL REQUIREMENTS

1.5.1.2.1 GENERAL CONSTRUCTION

General construction of the secure area must be performed by U.S. firms using U.S. citizens. General construction includes construction activities such as building site work, utilities, foundations, structure, and enclosure or shell, including

doors, windows and façade work. Utility work that penetrates the secure area and installation of doors in these areas are not general construction.

1.5.1.2.2 FINISH WORK

Finish Work within the secure area must be accomplished by U.S. SECRET-cleared personnel. Finish Work includes construction activities such as insulation, floor/partition/ceiling systems, cabinet work, conveyor systems, specialties, building furnishings/fixtures/equipment, mechanical/electrical services and equipment including those specialized for fire protection, security, communication, control, energy conservation, safety, comfort, convenience, and similar purposes.

1.5.1.2.3 ELECTRONIC SECURITY SYSTEMS EQUIPMENT

Electronic Security Systems equipment such as processing control units, workstations, field panels, sensors, card readers, cable installation, and system programming, testing and training must be performed by U.S. citizens who have been subjected to a trustworthiness determination.

1.5.1.3 INSTALLATION ACCESS

Obtain access to Navy and Marine Corps installations through participation in the Defense Biometrics Identification System (DBIDS). Requirements for Contractor employee registration, and transition for employees currently under Navy Commercial Access Control System (NCACS), are available at <https://www.cnmc.navy.mil/om/dbids.html>. No fees are associated with obtaining a DBIDS credential.

Participation in the DBIDS is not mandatory, and Contractor personnel may apply for One-Day Passes at the Base Visitor Control Office to access an installation.

1.5.1.3.1 REGISTRATION FOR DBIDS

Registration for DBIDS is available at <https://www.cnmc.navy.mil/om/dbids.html>. Procedure includes:

- a. Present a letter or official award document (i.e. DD Form 1155 or SF 1442) from the Contracting Officer that provides the purpose for access to the Base Visitor Control Center representative.

- b. Present valid identification, such as a passport or Real ID Act-compliant state driver's license.
- c. Provide completed SECNAV FORM 5512/1 to the Base Visitor Control Center representative to obtain a background check. This form is available for download at <https://www.cnmc.navy.mil/om/dbids.html>.
- d. Upon successful completion of the background check, the Government will complete the DBIDS enrollment process, which includes Contractor employee photo, finger prints, base restriction and several other assessments.
- e. Upon successful completion of the enrollment process, the Contractor employee will be issued a DBIDS credential, and will be allowed to proceed to worksite.

1.5.1.3.2 DBIDS ELIGIBILITY REQUIREMENTS

Throughout the length of the contract, the Contractor employee must continue to meet background screen standards. Periodic background screenings are conducted to verify continued DBIDS participation and installation access privileges. DBIDS access privileges will be immediately suspended or revoked if at any time a Contractor employee becomes ineligible.

An adjudication process may be initiated when a background screen failure results in disqualification from participation in the DBIDS, and Contractor employee does not agree with the reason for disqualification. The Government is the final authority.

1.5.1.3.3 DBIDS NOTIFICATION REQUIREMENTS

Immediately report instances of lost or stolen badges to the Contracting Officer.

Immediately collect DBIDS credentials and notify the Contracting Officer in writing under the following circumstances:

- 1) An employee has departed the company without having properly returned or surrendered their DBIDS credentials.
- 2) There is a reasonable basis to conclude that an employee, or former employee, might pose a risk, compromise, or

threat to the safety or security of the Installation or anyone therein.

1.5.1.3.4 ONE-DAY PASSES

Personnel applying for One-Day passes at the Base Visitor Control Office are subject to daily mandatory vehicle inspection, and will have limited access to the installation. The Government is not responsible for any cost or lost time associated with obtaining daily passes or added vehicle inspections incurred by non-participants in the DBIDS.

1.5.1.4 NO SMOKING POLICY

Smoking is prohibited within and outside of all buildings on installation, except in designated smoking areas. This applies to existing buildings, buildings under construction and buildings under renovation. Discarding tobacco materials other than into designated tobacco receptacles is considered littering and is subject to fines. The Contracting Officer will identify designated smoking areas.

1.5.2 WORKING HOURS

Regular working hours shall consist of an 8 1/2 hour period normally between the hours of 7:00 am to 3:30 pm, Monday through Friday, excluding Government holidays.

1.5.3 WORK OUTSIDE REGULAR HOURS

Work outside regular working hours requires Contracting Officer approval. Make application 15 calendar days prior to such work to allow arrangements to be made by the Government for inspecting the work in progress, giving the specific dates, hours, location, type of work to be performed, contract number and project title. Based on the justification provided, the Contracting Officer may approve work outside regular hours. During periods of darkness, the different parts of the work must be lighted in a manner approved by the Contracting Officer. Make utility cutovers after normal working hours or on Saturdays, Sundays, and Government holidays unless directed otherwise.

1.5.4 EXCLUSIONARY PERIOD

No work must be performed during the period 1900 to 0400, inclusive, without prior written approval of the Contracting

Officer. This period has not been considered in computing the time allowed for the performance of this contract.

1.5.5 OCCUPIED BUILDING

The Contractor shall be working in an existing building which is occupied. Do not enter the building without prior approval of the Contracting Officer.

The existing buildings and their contents must be kept secure at all times. Provide temporary closures as required to maintain security as directed by the Contracting Officer.

Relocate movable furniture approximately 6 feet away from the Contractor's working area as required to perform the work, protect the furniture, and replace the furniture in its original location upon completion of the work. Leave attached equipment in place, and protect it against damage, or temporarily disconnect, relocate, protect, and reinstall it at the completion of the work.

The Government will remove other Government property in the areas of the building scheduled to receive work.

1.5.6 UTILITY CUTOVERS AND INTERRUPTIONS

Make utility cutovers and interruptions after normal working hours or on Saturdays, Sundays, and Government holidays. Conform to procedures required in the paragraph "Work outside Regular Hours."

Ensure that new utility lines are complete, except for the connection, before interrupting existing service.

Interruption to water, sanitary sewer, storm sewer, telephone service, electric service, air conditioning, heating, fire alarm, and compressed air are considered utility cutovers pursuant to the paragraph entitled "Work outside Regular Hours."

Operation of Station Utilities: The Contractor must not operate nor disturb the setting of control devices in the station utilities system, including water, sewer, electrical, and steam services. The Government will operate the control devices as required for normal conduct of the work. The Contractor must notify the Contracting Officer giving reasonable advance notice when such operation is required.

1.6 SECURITY REQUIREMENTS

1.6.1 STATION REGULATIONS

No employee or representative of the contractor will be admitted to the work site without an Identification Badge or is specifically authorized admittance to the work site by the FEAD, Facilities Engineering & Acquisition Division.

IMPORTANT NOTE: FEAD personnel (Construction Managers, Engineers/Architects, Engineering Technicians, Contract Specialists, or Contract Surveillance Representatives) will not receive, process, re-transmit or otherwise handle IN ANY WAY Personally Identifiable

1.6.2 CONTRACTOR ACCESS TO MCAS CHERRY POINT AND OUTLYING AREAS

Documentation requirements for granting access to MCAS Cherry Point for commercial and contract employers and employees. This document is an aid in meeting ASO 5560.6A requirements and is not a substitute for the order.

The Pass & Identification Office at Building 251 will issue credentials to authorized contractors. Sub-Contractors and suppliers must coordinate through the Prime-Contractor:

Criminal Activity. In accordance with ASO 5560.6A, the below list of criminal activities within an applicant's record are considered not in the best interest of the Marine Corps and will be grounds for automatic denial of access aboard the Installation:

- a. Conviction of any felony offense.
- b. Conviction of any misdemeanor offense, which was the result of a plea bargain of a felony offense.
- c. Conviction of any offense involving a weapon.
- d. Conviction of any drug offense involving manufacturing or trafficking.
- e. More than one misdemeanor conviction of drug related offenses over the applicant's lifetime or one misdemeanor drug related offense within the last five years.
- f. Conviction of any assault charge.

- g. Conviction of any offense involving theft or larceny.
- h. Conviction of any offense of domestic violence.
- i. Conviction of any offense related to the abuse/neglect of a child.
- j. Conviction of any sexual in nature related offense or registration as a sex offender.
- k. Commission of any grievous criminal offense/misconduct while aboard any Federal installation, including blatant disregard for rules and regulations of the Installation, but excluding minor traffic offenses.
- l. Other than Honorable, Bad Conduct, and Dishonorable discharges from the U.S. Military.
- m. Those identified as undocumented citizens.
- n. Those on the National Terrorist Watch List.
- o. Any individual who attempts to hide or purposely fails to disclose all past criminal history during the vetting process.
- p. Any individual that the Provost Marshal's Office determines to present a risk to the security and safety of the Installation and whose access is deemed not in the best interest of the Marine Corps.
- q. Any individual who has been debarred from the Installation by the Installation Commander or is currently listed as debarred from any other Federal installation.
- r. Any individual with an outstanding warrant for their arrest or apprehension.
- s. Any individual with a pending criminal court case that, if convicted, would result in access denial in accordance with the criteria listed above.

1.6.3 FLIGHTLINE SECURITY REQUIREMENTS

Work involved under this contract is in the Flightline Security Area. No employee or representative of the Contractor will be admitted to the work site unless they (1) are specifically authorized admittance by the FEAD, and (2) have a security badge. The Contractor shall obtain clearance and flightline security badges for all personnel required to be on the project site prior to performing any work. The Contractor shall submit a written request for security badges to the FEAD and to Pass & ID. Each employee will be required to go to PASS & ID at Building 251 to obtain his security badge with flightline access. A limited number of Contractor vehicles will be allowed access to the site of work subject to meeting regular Station access requirements. No personal vehicles will be allowed behind the security fence. Parking of vehicles shall be restricted to the immediate project site as determined by the FEAD. The security badges issued under this contract are valid for this specific project and are not transferable to another project.

1.6.4 STAGING AREA

The contractor staging area will be (PM to coordinate). Amount of material on site shall be kept to a minimum and shall only be material that is pertinent to the work currently being performed. All stockpiling of equipment and materials shall be closely coordinated with the Government and shall not disrupt activities at the site.

1.7 MINIMUM INSURANCE REQUIREMENTS

Furnish a list of contract personnel of the Contractor and subcontractors including addresses and telephone number for use in the event of an emergency. As changes occur and additional information becomes available, correct and change the information contained in the previous lists.

1.8 SUPERVISION

The complexity of this project will require one person to fill the roles of the Superintendent, QC, and SSHO.

1.9 SUBMITTALS

The following items shall have submittals delivered to the COR for approval by the government prior to the commencement of site work.

1. Insurance
2. Bonds
3. Progress Schedules
4. Schedules of Values

1.10 PLANNED OUTAGES AND SERVICE DISRUPTIONS

Planned outages and service disruptions are requested by the contractor for approval to the COR when necessary to facilitate and/or accomplish contract work. Affected services include utilities (steam, water, waste water, and electrical service), communications (telephone, network, industrial control systems, and fire/security alarm systems) fire protection equipment, infrastructure, and road closures. Disruption of these services cannot be allowed without written approval of the government.

The contractor is require to 1) request the outage in writing and 2) demonstrate sufficient contingency preparedness in the event that service cannot be restored due to a failure in accomplishment of contract work.

All outages require Contractor's written request fifteen (15) days prior to commencement of such work. The request shall be submitted to the COR with the date, time, duration, and scope of the outage.

As supporting documentation for the request, the contractor is require to submit a contingency plan for all reasonably foreseen risks related to the contractor's performance of the work that would impact disrupted services in excess of the approved outage. This plan must demonstrate the following at a minimum.

1. Understanding of key personnel and communications methods to include phone numbers.
2. Analysis of reasonable risks during the contract work that would impact disrupted services in excess of the approved outage.
3. An effective recovery plan to restore minimum essential services in the event of these risks materializing.
4. Requested government support.

The government will similarly produce risk-based contingency plans for restoration of essential services caused by reasonably foreseen factors that are not related to the performance of the contract. In these cases, the government may

request the contractor make additional preparations to support essential and high risk services. Such requests are considered within the scope of this contract but will be priced and negotiated via modification as conditions warrant.

Approvals will be issued by the Public Works Officer or his/her designee and transmitted via the contracting officer's representative.

1.11 GOVERNMENTAL SAFETY REQUIREMENTS

Use appropriate personnel protective equipment such as safety glasses, hard hats, hearing protection, protective clothing, and gloves.

All current North Carolina Buildings Codes, Fire Codes, Statutes, NEC, OSHA Safety Codes, and U.S. Army Corps of Engineer's Safety and Health Requirements Manual, EM 385-1-1 shall be strictly enforced.

An accident prevention plan in accordance with the EM 385-1-1 is required.

The contractor is responsible for any required permits.

1.12 EXECUTION

If during the course of the work, conditions are encountered which are not covered in the contract or are different from conditions that would be reasonably anticipated, the contractor shall immediately notify the Contracting Officer. If such conditions are hazardous or the continuation of work would cause a hazardous condition to develop, the contractor shall stop work and proceed as directed by the Contracting Officer as directed by provisions contained in other sections of this specification. This may include modifications to, or the development of a new, Health and Safety Plan for this project, and alternate or additional appropriate abatement procedures.

FIRETRACE®

ENGINEERED FIRE SUPPRESSION SYSTEMS

3M™ NOVEC™ 1230 Fire Protection Fluid

OPERATING INSTRUCTIONS

INDICATES WHICH CONTROL IS IN USE
EQUIPPED WITH ELECTRICAL AND LOCAL
CONTROL

Firing and push control knob downward

EQUIPPED WITH ELECTRICAL RELEASE CONTROL

Items as covered in System Manual PN: FTF000003

EQUIPPED WITH PNEUMATIC RELEASE CONTROL

Items as covered in System Manual PN: FTF000003

INSPECTION & MAINTENANCE

CHECK & INSPECT SEMI — ANNUALLY

at monthly or at more frequent intervals if circumstances

require. Inspect for leaks (adjust for temperature) of

the unit for release cylinder to 500 PSI/G, (3447 kPa) at 70°F

and exceeds 55% of the Novec 1230 charge the unit should

be replaced.

Note: Inspect to secure the pull pin. Note: Applies only to

the 1230 systems.

Items on the system are found satisfactory, stamp date of

inspection and initials on the inspection tag.

Inspection tag to be installed, inspected, maintained, and

returned with the National Fire Protection Association's

Inspection Tag, Form No. 1230-000003.

Items to be inspected and installed in the vertical position only.

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- MODEL NUMBER FTF000015
- MODEL NUMBER FTF000029
- MODEL NUMBER FTF000062
- MODEL NUMBER FTF000103
- MODEL NUMBER FTF000153
- MODEL NUMBER FTF000227
- MODEL NUMBER FTF000368
- MODEL NUMBER FTF000490

RECHARGE SPECIFICATIONS

Cylinder tested to 1000 PSI (6890 kPa)

	LBS.	KG	Tare Wt.
	421	191	
		KG	Agent Wt.
		KG	Gross Wt.
		KG	Max Fill Wt. (DO NOT EXCEED)

FIRETRACE®

ENGINEERED FIRE SUPPRESSION SYSTEMS

Contents of cylinder:

Novec 1230, FK-3-12

Suitable for use at a temperature from 32°F (0°

C) to 330°F (166°C). Operating pressure is

500PSI (3450 kPa) at 70°F (21°C).

AFTER SYSTEM OPERATION

Exchange of fire suppression systems to extinguish a fire can

be performed from national form of the clean

agent. The necessary steps to replace one of the

agents in the fire suppression system shall be replaced.

20101053 Pressure vessel—Do not open until the pressure is relieved. Do not cut, drill or tap. Do not use for anything other than the purpose for which it was designed. Do not use for anything other than the purpose for which it was designed. Do not use for anything other than the purpose for which it was designed.

20101054 The anti-siphon plug is to be installed when the valve is connected to the system.

20101055 Recharging of this system is to be performed by a qualified person. Recharging of this system is to be performed by a qualified person. Recharging of this system is to be performed by a qualified person.

20101056 After a charge of system, a safety check of the system is to be performed. After a charge of system, a safety check of the system is to be performed. After a charge of system, a safety check of the system is to be performed.