



DEPARTMENT OF THE NAVY
JOINT REGION MARIANAS
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JTREGMARIANASINST 8020.4
J3
10 Apr 19

JTREG MARIANAS INSTRUCTION 8020.4

From: Commander, Joint Region Marianas

Subj: CLARIFICATION ON THE DETERMINATION OF BEDROCK (SOLID ROCK FORMATION) WHILE CONDUCTING EXPLOSIVE SAFETY SUBMISSION (ESS) OPERATIONS IN JOINT REGION MARIANAS (JRM) AREA OF RESPONSIBILITY (AOR)

Ref: (a) ESS for Munitions Response Sites, Guam Construction Support Current Amendment

1. Purpose. To clarify acceptable standards for the determination of Bedrock (solid rock formation) while conducting ESS operations in accordance with (IAW) reference (a) in the JRM AOR.

2. Cancellation. JTREGMARIANASNOTE 8020 of 5 Feb 19 (Canc: Jan 20).

3. Applicability. This instruction is applicable to all currently awarded and future projects involving Munitions and Explosives of Concern (MEC) removal operations throughout JRM IAW reference (a).

4. Background. In reference (a), Bedrock (solid rock formation) is mentioned in sections 6.1.2 Intrusive Investigations, 6.1.3 Soil Excavation and Removal, and 6.1.5 Anomaly Avoidance. However, Bedrock (solid rock formation) is not defined in reference (a).

5. Policy. To establish a JRM process to determine Bedrock (solid rock formation) while conducting ESS operations IAW reference (a) in the JRM AOR by a competent authority with formal contractual approval and acceptance throughout project delivery.

6. Responsibilities

a. JRM J3 will oversee enforcement of this policy.

b. JRM J4 will oversee execution of this policy.

c. Construction Field Offices shall provide Quality Assurance monitoring to contractors.

d. MEC contractors will execute with Prime Contractor oversight.

10 Apr 19

7. Action. The following shall be effective on all currently awarded and future projects involving MEC removal operations:

a. Bedrock (solid rock formation) determinations must be made by a competent authority. A competent authority for Bedrock (solid rock formation) determinations is a licensed Professional Geologist or a Civil Engineer with Professional Engineer (PE) license.

b. Determinations shall be made, in writing, and must include all of the following:

(1) Certifying stamp from competent authority as specified in paragraph 6.a.;

(2) Three dimensional Global Positioning System (GPS) coordinates, including grid and depth, outlining the area for which the determination is being made with the planned goal of making recognizable geometric shapes that identifies and confines the Bedrock (solid rock formation) area to be a limited shape on a map to be recorded on a Geospatial Information System (GIS) Database. All locational information/map products shall be in the WGS 1984 UTM Zone 55N coordinate system;

(3) Methods and/or criteria used by competent authority to make the Bedrock (solid rock formation) determination; and

(4) Photographs of the area that is being determined as Bedrock (solid rock formation).

c. Before competent authority makes the Bedrock (solid rock formation) determination, the contractor must fully expose the top layer of the entire area over which the determination is being made. This area shall be scanned and determined to be anomaly free. If an anomaly is detected, the anomaly must be investigated and removed, and the existence of discovered anomaly during the determination process shall be documented.

d. The MEC Quality Assurance Specialist will recommend to the Contracting Officer (KO) or Contracting Officer Representative (COR), in writing, acceptance or rejection. Upon acceptance by the KO in writing, the defined area shall be considered low likelihood. As part of the acceptance process, a written designation of low likelihood must be issued from the KO or COR to the contractor which acknowledges the planned area to proceed as Bedrock (solid rock formation) and then directs the contractor to utilize On-Call Construction Support until all excavation is complete. The following statement will also be included: In the event of a MEC or Material Potentially Presenting an Explosive Hazard discovery in an area previously classified as low likelihood due to a Bedrock

(solid rock formation) determination, the Project Management Team will notify the JRM MEC Process Improvement Team immediately and request guidance on how to proceed.

e. A Bedrock (solid rock formation) determination shall only be valid for the area defined after acceptance by the government. Anywhere outside of the area defined in the original submission shall require a separate submission prior to being managed as low likelihood.

f. After government acceptance, the Bedrock (solid rock formation) determination shall be provided to JRM MEC Data Exchange (m-gu-jrm-mec@fe.navy.mil) within 15 days of government acceptance for inclusion in the GIS. The GIS administrator will confirm with the generator once the data is verified and loaded.

8. Records Management. Records created as a result of this instruction, regardless of media and format, shall be managed per Secretary of the Navy (SECNAV) Manual 5210.1 of November 2017.

9. Review and Effective Date. Per OPNAVINST 5215.17A, JRM J3 will review this instruction annually around the anniversary of its issuance date to ensure applicability, currency, and consistency with Federal, Department of Defense, Secretary of the Navy and Navy policy and statutory authority using OPNAV 5215/40 Review of Instruction. This instruction will be in effect for 10 years, unless revised or cancelled in the interim, and will be reissued by the 10-year anniversary date if it is still required, unless it meets one of the exceptions in OPNAVINST 5215.17A, paragraph 9. Otherwise, if the instruction is no longer required, it will be processed for cancellation as soon as the need for cancellation is known following the guidance in OPNAV Manual 5215.1 of May 2016.



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