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(iii) Memorandum of Agreement (MOA)—The Navy and NMFS shall develop a MOA, or other mechanism, that will establish a framework whereby the Navy can (and provide the Navy examples of how they can best) assist NMFS with stranding investigations in certain circumstances.

(b) [Reserved]

**§218.125 Requirements for monitoring and reporting.**

(a) General Notification of Injured or Dead Marine Mammals—Navy personnel shall ensure that NMFS is notified immediately ((see Communication Plan) or as soon as clearance procedures allow) if an injured, stranded, or dead marine mammal is found during or shortly after, and in the vicinity of, any Navy training exercise utilizing MFAS, HFAS, or underwater explosive detonations. The Navy shall provide NMFS with the species or description of the animal(s), the condition of the animal(s) (including carcass condition if the animal is dead), location, time of first discovery, observed behavior(s) (if alive), and photo or video of the animal(s) (if available). In the event that an injured, stranded, or dead marine mammal is found by the Navy that is not in the vicinity of, or during or shortly after, MFAS, HFAS, or underwater explosive detonations, the Navy shall report the same information as listed above as soon as operationally feasible and clearance procedures allow.

(b) General Notification of Ship Strike—In the event of a ship strike by any Navy vessel, at any time or place, the Navy shall do the following:

(1) Immediately report to NMFS the species identification (if known), location (lat/long) of the animal (or the strike if the animal has disappeared), and whether the animal is alive or dead, or whether its status is unknown.

(2) Report to NMFS as soon as operationally feasible the size and length of animal, an estimate of the injury status (*e.g.*, dead, injured but alive, injured and moving, unknown, *etc.*), vessel class/type and operational status.

(3) Report to NMFS the vessel length, speed, and heading as soon as feasible.

(4) Provide NMFS a photo or video of the animal(s), if equipment is available.

(c) The Navy must conduct all monitoring and/or research required under the Letter of Authorization including abiding by the GoA TMAA Monitoring Plan. (<http://www.nmfs.noaa.gov/pr/permits/incidental.htm#applications>)

(d) Report on Monitoring required in paragraph (c) of this section—The Navy shall submit a report annually on December 15 describing the implementation and results (through October of the same year) of the monitoring required in paragraph (c) of this section. The Navy shall standardize data collection methods across ranges to allow for comparison in different geographic locations.

(e) *Sonar Exercise Notification*—The Navy shall submit to the NMFS Office of Protected Resources (specific contact information to be provided in LOA) either an electronic (preferably) or verbal report within 15 calendar days after the completion of any MTER indicating:

- (1) Location of the exercise;
- (2) Beginning and end dates of the exercise; and
- (3) Type of exercise.

(f) Annual GoA TMAA Report—The Navy shall submit an Annual Exercise GoA TMAA Report on December 15 of every year (covering data gathered through October). This report shall contain the subsections and information indicated below.

(1) MFAS/HFAS Training Exercises—This section shall contain the following information for the following Coordinated and Strike Group exercises: Joint Multi-strike Group Exercises; Joint Expeditionary Exercises; and Marine Air Ground Task Force GoA TMAA:

(i) Exercise Information (for each exercise):

- (A) Exercise designator;
- (B) Date that exercise began and ended;
- (C) Location;
- (D) Number and types of active sources used in the exercise;
- (E) Number and types of passive acoustic sources used in exercise;
- (F) Number and types of vessels, aircraft, *etc.*, participating in exercise;

(G) Total hours of observation by watchstanders;

(H) Total hours of all active sonar source operation;

(I) Total hours of each active sonar source (along with explanation of how hours are calculated for sources typically quantified in alternate way (buoys, torpedoes, *etc.*)); and

(J) Wave height (high, low, and average during exercise).

(ii) Individual marine mammal sighting info (for each sighting in each exercise):

(A) Location of sighting;

(B) Species (if not possible—indication of whale/dolphin/pinniped);

(C) Number of individuals;

(D) Calves observed (y/n);

(E) Initial Detection Sensor;

(F) Indication of specific type of platform observation made from (including, for example, what type of surface vessel; *i.e.*, FFG, DDG, or CG);

(G) Length of time observers maintained visual contact with marine mammal(s);

(H) Wave height (ft);

(I) Visibility;

(J) Sonar source in use (y/n);

(K) Indication of whether animal is < 200 yd, 200–500 yd, 500–1,000 yd, 1,000–2,000 yd, or > 2,000 yd from sonar source in (x) above;

(L) Mitigation Implementation—Whether operation of sonar sensor was delayed, or sonar was powered or shut down, and how long the delay was;

(M) If source in use (x) is hull-mounted, true bearing of animal from ship, true direction of ship's travel, and estimation of animal's motion relative to ship (opening, closing, parallel); and

(N) Observed behavior—Watchstanders shall report, in plain language and without trying to categorize in any way, the observed behavior of the animals (such as animal closing to bow ride, paralleling course/speed, floating on surface and not swimming, *etc.*).

(iii) An evaluation (based on data gathered during all of the exercises) of the effectiveness of mitigation measures designed to avoid exposing marine mammals to MFAS. This evaluation shall identify the specific observations that support any conclusions the Navy

reaches about the effectiveness of the mitigation.

(2) ASW Summary—This section shall include the following information as summarized from non-major training exercises (unit-level exercises, such as TRACKEXs):

(i) Total Hours—Total annual hours of each type of sonar source (along with explanation of how hours are calculated for sources typically quantified in alternate way (buoys, torpedoes, *etc.*)).

(ii) Cumulative Impacts—To the extent practicable, the Navy, in coordination with NMFS, shall develop and implement a method of annually reporting other training (*i.e.*, Unit Level Training (ULT)) utilizing hull-mounted sonar. The report shall present an annual (and seasonal, where practicable) depiction of non-major training exercises geographically across the GoA TMAA. The Navy shall include (in the GoA TMAA annual report) a brief annual progress update on the status of the development of an effective and unclassified method to report this information until an agreed-upon (with NMFS) method has been developed and implemented.

(3) Sinking Exercises (SINKEXs)—This section shall include the following information for each SINKEX completed that year:

(i) Exercise info:

(A) Location;

(B) Date and time exercise began and ended;

(C) Total hours of observation by watchstanders before, during, and after exercise;

(D) Total number and types of rounds expended/explosives detonated;

(E) Number and types of passive acoustic sources used in exercise;

(F) Total hours of passive acoustic search time;

(G) Number and types of vessels, aircraft, *etc.*, participating in exercise;

(H) Wave height in feet (high, low, and average during exercise); and

(I) Narrative description of sensors and platforms utilized for marine mammal detection and timeline illustrating how marine mammal detection was conducted.

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(ii) Individual marine mammal observation during SINKEK (by Navy Look-outs) information:

- (A) Location of sighting;
- (B) Species (if not possible—indication of whale/dolphin/pinniped);
- (C) Number of individuals;
- (D) Calves observed (y/n);
- (E) Initial detection sensor;
- (F) Length of time observers maintained visual contact with marine mammal;
- (G) Wave height (ft);
- (H) Visibility;
- (I) Whether sighting was before, during, or after detonations/exercise, and how many minutes before or after;
- (J) Distance of marine mammal from actual detonations (or target spot if not yet detonated)—use four categories to define distance:

(1) The modeled injury threshold radius for the largest explosive used in that exercise type in that OPAREA (762 m for SINKEK in the GoA TMAA);

(2) The required exclusion zone (1 nm for SINKEK in the GoA TMAA);

(3) The required observation distance (if different than the exclusion zone (2 nm for SINKEK in the GoA TMAA); and

(4) Greater than the required observed distance. For example, in this case, the observer shall indicate if < 762 m, from 762 m–1 nm, from 1 nm–2 nm, and > 2 nm.

(K) Observed behavior—Watchstanders shall report, in plain language and without trying to categorize in any way, the observed behavior of the animals (such as animal closing to bow ride, paralleling course/speed, floating on surface and not swimming *etc.*), including speed and direction.

(L) Resulting mitigation implementation—Indicate whether explosive detonations were delayed, ceased, modified, or not modified due to marine mammal presence and for how long.

(M) If observation occurs while explosives are detonating in the water, indicate munitions type in use at time of marine mammal detection.

(4) Improved Extended Echo-Ranging System (IEER) Summary:

(i) Total number of IEER events conducted in the GoA TMAA;

(ii) Total expended/detonated rounds (buoys); and

(iii) Total number of self-scuttled IEER rounds.

(5) Explosives Summary—The Navy is in the process of improving the methods used to track explosive use to provide increased granularity. To the extent practicable, the Navy shall provide the information described below for all of their explosive exercises. Until the Navy is able to report in full the information below, they shall provide an annual update on the Navy's explosive tracking methods, including improvements from the previous year.

(i) Total annual number of each type of explosive exercise (of those identified as part of the “specified activity” in this final rule) conducted in the GoA TMAA; and

(ii) Total annual expended/detonated rounds (missiles, bombs, *etc.*) for each explosive type.

(g) GoA TMAA 5-Yr Comprehensive Report—The Navy shall submit to NMFS a draft report that analyzes and summarizes all of the multi-year marine mammal information gathered during ASW and explosive exercises for which annual reports are required (Annual GoA TMAA Exercise Reports and GoA TMAA Monitoring Plan Reports). This report shall be submitted at the end of the fourth year of the rule (December 2014), covering activities that have occurred through October 2014.

(h) Comprehensive National ASW Report—By June, 2014, the Navy shall submit a draft National Report that analyzes, compares, and summarizes the active sonar data gathered (through January 1, 2014) from the watchstanders and pursuant to the implementation of the Monitoring Plans for the Northwest Training Range Complex, the Southern California Range Complex, the Atlantic Fleet Active Sonar Training, the Hawaii Range Complex, the Mariana Islands Range Complex, and the Gulf of Alaska.

(i) The Navy shall comply with the Integrated Comprehensive Monitoring Program (ICMP) Plan and continue to improve the program in consultation with NMFS.