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(J) No firing shall occur if marine mammals are detected within 70 yards (64 m) of the vessel.

(ii) Air-to-Surface Missile Exercises (Explosive):

(A) Aircraft shall initially survey the intended ordnance impact area for marine mammals.

(B) During the actual firing of the weapon, the aircraft involved must be able to observe the intended ordnance impact area to ensure the area is free of marine mammals transiting the range.

(C) Visual inspection of the target area shall be made by flying at 1,500 ft (457 m) altitude or lower, if safe to do so, and at slowest safe speed.

(D) Explosive ordnance shall not be targeted to impact within 1,800 yd (1,646 m) of sighted marine mammals.

(iii) Mine Neutralization Training Involving Underwater Detonations (up to and including 20-lb charges):

(A) This activity shall only occur in Undet North and Undet South of the JAX Range Complex.

(B) Observers shall survey the Zone of Influence (ZOI), a 700 yd (640 m) radius from detonation location for marine mammals from all participating vessels during the entire operation. A survey of the ZOI (minimum of 3 parallel tracklines 219 yd [200 m] apart) using support craft shall be conducted at the detonation location 30 minutes prior through 30 minutes post detonation. Aerial survey support shall be utilized whenever assets are available.

(C) Detonation operations shall be conducted during daylight hours only.

(D) If a marine mammal is sighted within the ZOI, the animal shall be allowed to leave of its own volition. The Navy shall suspend detonation exercises and ensure the area is clear of marine mammals for a full 30 minutes prior to detonation.

(E) Divers placing the charges on mines and dive support vessel personnel shall survey the area for marine mammals and shall report any sightings to the surface observers. These animals shall be allowed to leave of their own volition and the ZOI shall be clear of marine mammals for 30 minutes prior to detonation.

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(F) No detonations shall take place within 3.2 nm (6 km) of an estuarine inlet.

(G) No detonations shall take place within 1.6 nm (3 km) of shoreline.

(H) Personnel shall record any protected species observations during the exercise as well as measures taken if species are detected within the ZOI.

(iv) Small Arms Training—Explosive hand grenades (such as the MK3A2 grenades):

(A) Lookouts shall visually survey for marine mammals prior to and during exercise.

(B) A 200 yd (182 m) radius buffer zone shall be established around the intended target. The exercises shall be conducted only if the buffer zone is clear of marine mammals.

[74 FR 28365, June 15, 2009, as amended at 76 FR 30554, May 26, 2011; 77 FR 4923, Feb. 1, 2012]

§218.14 Requirements for monitoring and reporting.

(a) The Holder of the Letter of Authorization issued pursuant to §216.106 of this chapter and §218.16 for activities described in §218.10(b) is required to cooperate with the NMFS when monitoring the impacts of the activity on marine mammals.

(b) The Holder of the Authorization must notify NMFS immediately (or as soon as clearance procedures allow) if the specified activity identified in §218.10(b) is thought to have resulted in the mortality or serious injury of any marine mammals, or in any take of marine mammals not identified in §218.10(c).

(c) The Navy must conduct all monitoring and required reporting under the Letter of Authorization, including abiding by the JAX Range Complex Monitoring Plan, which is incorporated herein by reference, and which requires the Navy to implement, at a minimum, the monitoring activities summarized below:

(1) Vessel or aerial surveys:

(i) The Holder of this Authorization shall visually survey a minimum of 2 explosive events per year, one of which shall be a multiple detonation event. One of the vessel or aerial surveys should involve professionally trained marine mammal observers (MMOs).

(ii) When operationally feasible, for specified training events, aerial or vessel surveys shall be used 1–2 days prior to, during (if reasonably safe), and 1–5 days post detonation.

(iii) Surveys shall include any specified exclusion zone around a particular detonation point plus 2,000 yards beyond the border of the exclusion zone (*i.e.*, the circumference of the area from the border of the exclusion zone extending 2,000 yards outwards). For vessel-based surveys a passive acoustic system (hydrophone or towed array) could be used to determine if marine mammals are in the area before and/or after a detonation event.

(iv) When conducting a particular survey, the survey team shall collect:

- (A) Location of sighting;
- (B) Species (if not possible, indicate whale, dolphin or pinniped);
- (C) Number of individuals;
- (D) Whether calves were observed;
- (E) Initial detection sensor;
- (F) Length of time observers maintained visual contact with marine mammal;
- (G) Wave height;
- (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);

(K) Observed behavior—Watchstanders shall report, in plain language and without trying to categorize in any way, the observed behavior of the animal(s) (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; and

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

(2) Passive acoustic monitoring—the Navy shall conduct passive acoustic monitoring when operationally feasible.

(i) Any time a towed hydrophone array is employed during shipboard surveys, the towed array shall be deployed during daylight hours for each of the days the ship is at sea.

(ii) The towed hydrophone array shall be used to supplement the ship-based systematic line-transect surveys (particularly for species such as beaked whales that are rarely seen).

(iii) The array shall have the capability of detecting low frequency vocalizations (<1,000 Hz) for baleen whales and relatively high frequency (up to 30 kHz) for odontocetes. The use of two simultaneously deployed arrays can also allow more accurate localization and determination of diving patterns.

(3) Marine mammal observers on Navy platforms:

(i) As required in §218.14(c)(1), MMOs selected for aerial or vessel survey shall be placed on a Navy platform during one of the explosive exercises being monitored per year, the other designated exercise shall be monitored by the Navy lookouts/watchstanders.

(ii) The MMO must possess expertise in species identification of regional marine mammal species and experience collecting behavioral data.

(iii) MMOs shall not be placed aboard Navy platforms for every Navy training event or major exercise, but during specifically identified opportunities deemed appropriate for data collection efforts. The events selected for MMO participation shall take into account safety, logistics, and operational concerns.

(iv) MMOs shall observe from the same height above water as the lookouts.

(v) The MMOs shall not be part of the Navy's formal reporting chain of command during their data collection efforts; Navy lookouts shall continue to serve as the primary reporting means within the Navy chain of command for marine mammal sightings. The only exception is that if an animal is observed within the shutdown zone that has not been observed by the lookout, the MMO shall inform the lookout of the sighting and the lookout shall take the appropriate action through the chain of command.

(vi) The MMOs shall collect species identification, behavior, direction of

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travel relative to the Navy platform, and distance first observed. Information collected by MMOs shall be the same as those collected by Navy lookout/watchstanders described in §218.14(c)(1)(iv).

(d) The Navy shall complete an Integrated Comprehensive Monitoring Program (ICMP) Plan in 2009. This planning and adaptive management tool shall include:

(1) A method for prioritizing monitoring projects that clearly describes the characteristics of a proposal that factor into its priority.

(2) A method for annually reviewing, with NMFS, monitoring results, Navy R&D, and current science to use for potential modification of mitigation or monitoring methods.

(3) A detailed description of the Monitoring Workshop to be convened in 2011 and how and when Navy/NMFS will subsequently utilize the findings of the Monitoring Workshop to potentially modify subsequent monitoring and mitigation.

(4) An adaptive management plan.

(5) A method for standardizing data collection for JAX Range Complex and across range complexes.

(e) General Notification of Injured or Dead Marine Mammals—Navy personnel shall ensure that NMFS (regional stranding coordinator) is notified immediately (or as soon as clearance procedures allow) if an injured or dead marine mammal is found during or shortly after, and in the vicinity of, any Navy training exercise utilizing underwater explosive detonations. The Navy shall provide NMFS with 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 behaviors (if alive), and photo or video (if available).

(f) Annual JAX Range Complex Monitoring Plan Report—The Navy shall submit a report annually on March 1 describing the implementation and results (through January 1 of the same year) of the JAX Range Complex Monitoring Plan. Data collection methods will be standardized across range complexes to allow for comparison in different geographic locations. Although additional information will also be

gathered, the MMOs collecting marine mammal data pursuant to the JAX Range Complex Monitoring Plan shall, at a minimum, provide the same marine mammal observation data required in §218.14(g). The JAX Range Complex Monitoring Plan Report may be provided to NMFS within a larger report that includes the required Monitoring Plan Reports from JAX Range Complex and multiple range complexes.

(g) Annual JAX Range Complex Exercise Report—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 JAX Range Complex.

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

(h) JAX Range Complex 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 the JAX Range Complex exercises for which annual reports are required (Annual JAX Range Complex Exercise Reports and JAX Range Complex Monitoring Plan Reports). This report shall be submitted at the end of the fourth year of the rule (May 2013), covering activities that have occurred through December 1, 2012.

(i) The Navy shall respond to NMFS' comments and requests for additional information or clarification on the JAX Range Complex Comprehensive Report, the Annual JAX Range Complex Exercise Report, or the Annual JAX Range Complex Monitoring Plan Report (or the multi-Range Complex Annual Monitoring Plan Report, if that is how the Navy chooses to submit the information) if submitted within 3 months of receipt. These reports will be considered final after the Navy has addressed NMFS' comments or provided the requested information, or

three months after the submittal of the draft if NMFS does not comment by then.

(j) In 2011, the Navy shall convene a Monitoring Workshop in which the Monitoring Workshop participants will be asked to review the Navy's Monitoring Plans and monitoring results and make individual recommendations (to the Navy and NMFS) of ways of improving the Monitoring Plans. The recommendations shall be reviewed by the Navy, in consultation with NMFS, and modifications to the Monitoring Plan shall be made, as appropriate.

§ 218.15 Applications for Letters of Authorization.

To incidentally take marine mammals pursuant to these regulations, the U.S. citizen (as defined by § 216.103 of this chapter) conducting the activity identified in § 218.10(a) (the U.S. Navy) must apply for and obtain either an initial Letter of Authorization in accordance with § 218.16 or a renewal under § 218.17.

§ 218.16 Letters of Authorization.

(a) A Letter of Authorization, unless suspended or revoked, will be valid for a period of time not to exceed the periods of validity of this subpart, but may be renewed or modified sooner subject to the renewal conditions in § 218.17 and modification conditions in § 218.18.

(b) Each Letter of Authorization will set forth:

- (1) Permissible methods of incidental taking;
- (2) Means of effecting the least practicable adverse impact on the species, its habitat, and on the availability of the species for subsistence uses (*i.e.*, mitigation); and
- (3) Requirements for mitigation, monitoring and reporting.

(c) Issuance and renewal of the Letter of Authorization will be based on a determination that the total number of marine mammals taken by the activity as a whole will have no more than a negligible impact on the affected species or stock of marine mammal(s).

[74 FR 28343, June 15, 2009, as amended at 77 FR 4923, Feb. 1, 2012]

§ 218.17 Renewal of Letters of Authorization and adaptive management.

(a) A Letter of Authorization issued under § 216.106 of this chapter and § 218.16 for the activity identified in § 218.10(c) will be renewed upon:

(1) Notification to NMFS that the activity described in the application submitted under § 218.15 will be undertaken and that there will not be a substantial modification to the desired work, mitigation, or monitoring undertaken during the upcoming period of validity;

(2) Timely receipt of the monitoring reports required under § 218.14; and

(3) A determination by NMFS that the mitigation, monitoring and reporting measures required under § 218.13 and the Letter of Authorization issued under § 216.106 of this chapter and § 218.16, were undertaken and will be undertaken during the upcoming period of validity of a renewed Letter of Authorization.

(b) If a request for a renewal of a Letter of Authorization issued under §§ 216.106 and 218.17 of this chapter indicates that a substantial modification to the described work, mitigation or monitoring undertaken during the upcoming season will occur, NMFS will provide the public a period of 30 days for review and comment on the request. Review and comment on renewals of Letters of Authorization are restricted to:

(1) New cited information and data indicating that the determinations made in this document are in need of reconsideration, and

(2) Proposed changes to the mitigation and monitoring requirements contained in these regulations or in the current Letter of Authorization.

(c) A notice of issuance or denial of a renewal of a Letter of Authorization will be published in the FEDERAL REGISTER.

(d) NMFS, in response to new information and in consultation with the Navy, may modify the mitigation or monitoring measures in subsequent LOAs if doing so creates a reasonable likelihood of more effectively accomplishing the goals of mitigation and monitoring set forth in the preamble of these regulations. Below are some of the possible sources of new data that could contribute to the decision to