

**2nd DRAFT Exercise Plan**  
**Aleutians Emergency Towing System**  
**30, 31 July 2007**  
**Unalaska, Alaska**

1. Exercise Sponsors.

This exercise is sponsored by:

State of Alaska, Department of Environmental Conservation;  
U. S. Coast Guard, MSD Unalaska; and  
City of Unalaska.

2. Purpose.

The purpose of the exercise is to deploy the Aleutians Emergency Towing System (ETS) in Unalaska Bay and capture the deployment on video for training material.

3. Exercise Objectives.

Overall objectives for this exercise are:

- Safety
- Mobilize ETS to airport and dock for deployment by helicopter and tug
- Practice actual deployments
  - Helicopter - Ship - Tug
  - Tug - Ship
- Capture video and still photography need to develop training materials.
- Obtain and validate procedures for the Procedures Manual

The objectives for each Stage are:

Stage I. System components and packing

- Break-out and inspect the Unalaska ETS
- Re-pack the ETS for Stage V mobilization
- Establish ETS components and nomenclature
- Establish procedures for packing the ETS
- Establish maintenance and inspection procedures
- Capture stills and video for training and procedures manual

Stage II. City of Unalaska harbor/airport operations

- Walk through mobilization of the ETS from its storage location to the airport for helicopter mobilization and to the harbor dock for vessel mobilization
- Establish procedures for security and storage of the ETS
- Establish procedures for mobilization of the ETS to the airport
- Establish procedures for mobilization of the ETS to the harbor
- Discuss safety issues associated with harbor operations
- Establish training process for harbor personnel
- Capture stills and video for training and procedures manual

Stage III. Line-gun operations

- Demonstrate line-gun operations, including re-charging the air cylinder
- Establish procedures for line-gun operations
- Establish procedures for line-gun storage, inspection, and maintenance
- Discuss safety issues associated with line-gun operations
- Ready the line-gun for Stage VII
- Capture stills and video for training and procedures manual

Stage IV. Notification, activation, command and control

- Establish each agency/organization role, authorities and responsibilities
- Walk through notification and activation process
- Walk through the command and control process, both overall and at the scene
- Establish procedures for notification and activation
- Establish procedures for command and control
- Discuss safety issues
- Capture stills and video for training and procedures manual

Stage V. Helicopter mobilization to ship and tug

- Discuss safety issues associated with helicopter mobilization
- Establish procedures for helicopter mobilization
- Mobilize ETS to the tug Gyrfalcon by helicopter
- Mobilize ETS to the tug James Dunlap by helicopter

- Mobilize ETS to the ship by helicopter
- Capture stills and video for training and procedures manual

Stage VI. Ship to tug deployment

- Discuss safety issues associated with ship to tug deployment
- Establish procedures for ship to tug deployment
- Deploy ETS from ship to tug
- Establish a short tow
- Release ETS to tug
- Recover ETS and ready for Stage VII
- Capture stills and video for training and procedures manual

Stage VII. Tug to ship deployment

- Discuss safety issues associated with tug to ship deployment
- Establish procedures for tug to ship deployment
- Deploy ETS from tug to ship
- Establish a short tow
- Release ETS to tug
- Recover ETS and ready for storage
- Capture stills and video for training and procedures manual

4. Exercise Organization.

Mayor Shirley Marquardt, City of Unalaska will be the Director of the Exercise. She will be assisted by Tim Robertson, Nuka Research and the following team coordinators:

- Safety: LT. Greg Crettol, USCG MSD Unalaska
- Port Operations: Alvin Osterback, Port of Unalaska
- Aerial Operations: CDR Steven Pearson, USCG, Anchorage
- Tug Operations: Chris Iszler, Horizon Lines and David Alvestad, Dunlap Towing
- Shipboard Operations: Steve Moreno, AMPA
- ETS Configuration/Packing, and Line Gun Operations: John Days, Harbor Master, Unalaska
- Communications: Vern Johnson, Alaska Maritime Agencies
- Video Production: Kelly O'Brien, UCB

## 5. Exercise Participants.

The following organizations will participate in the exercise:

- USCG - MSD Unalaska, Sector Anchorage, Kodiak Air Station, ? no. participants
- Alaska Department of Environmental Conservation, ? no. participants
- City of Unalaska, ? no. participants
- Alaska Marine Pilots Association, ? no. participants
- Horizon Lines, ? no. participants
- Dunlap Towing
- Sampson Tug and Barge, ? no. participants
- Tramper, ? no. participants
- Alaska Maritime Agencies,
- Alaska Marine Exchange,
- Nuka Research and Planning Group, 2 participants

In addition to participants, there will be a number of VIP observers during the deployment stages. The Exercise Director will coordinate observers during the exercise.

## 6. Scenario Overview.

The scenario is that a tramper vessel <50,000 DWT with a non-english speaking crew is disabled and in need of towing assistance. For the purpose of this exercise two deployment methods will be practiced: helio-ship-tug and tug-ship. Operations are not constrained by time, sea state, or weather. This is not a performance test, but an opportunity to practice/verify/modify procedures for the safe and effective deployment of the ETS.

## 7. Concept of Operations.

The overall process of mobilizing the ETS and deploying it will be exercised in stages for control, safety, and video production.

- Stage I. System components and packing
- Stage II. City of Unalaska harbor/airport operations
- Stage III. Line-gun operations
- Stage IV. Notification, activation, command and control
- Stage V. Helicopter mobilization to ship and tug
- Stage VI. Ship to tug deployment
- Stage VII. Tug to ship deployment

## 8. Concept of Control.

Overall the Director of the Exercise provides control for this exercise. A Stage Coordinator will oversee each stage. A safety and operations briefing will precede each stage. The exercise will begin at 1300 hr on July 30<sup>th</sup> and end at 0930 hr on August 1<sup>st</sup>.

## 9. Exercise Artificialities.

This exercise will have many artificialities; it is not intended to measure anyone's performance, but rather as an opportunity to develop and validate procedures for the ETS components. Participants are encouraged to ask questions and raise issues as each portion of the deployment is practiced.

The disabled vessel will be adrift (vs. anchored) in Unalaska Bay at the beginning of the deployment. Once the ETS is made-up, the disabled vessel will be towed a short distance and then the towing system will be released and recovered by the tug. The disabled vessel will not be brought to the dock during the exercise.

## 10. Exercise Assumptions.

Participants will abide by their normal organizational safety rules and procedure, unless otherwise specified in the Safety Plan. It is assumed that participants are knowledgeable, trained, and qualified for the roles that they are asked to perform in this exercise.

## 11. Administration and Logistics.

Nuka Research and Planning Group will be coordinating the exercise overall. Each participating organization will appoint a coordinator for their participants. Air travel, meals, and ground transportation will be provided by each participating organization.

### Administrative Contacts

- USCG - ???
- ADEC - ???
- City of Unalaska - ???
- Alaska Marine Pilots Association - Steve Mareno
- Horizon Lines - Peggy McLaughlin
- Dunlap Towing - ???
- Sampson Tug and Barge - ???
- Alaska Maritime Agencies - Vern Johnson
- Nuka Research and Planning Group - Amy Gilson, [amy@nukaresearch.com](mailto:amy@nukaresearch.com), 907.234.7821

## 12. Safety.

The Safety Officer for this exercise is Greg Crettol, USCG. The Safety Plan is contained in Annex A.

Safety is always the highest priority for any exercise. Safety is everyone's responsibility. If anyone observes an un-safe act or condition, immediately take whatever actions are

necessary to correct the problem (including stopping the exercise play) and notify the stage coordinator and or the safety offices.

In the event of an actual emergency, declare a cease to all exercise play by announcing, “This is Not a Drill, we have an actual emergency.” The message should be relayed to all exercise participants.

### 13. Communications

The Communications Plan for this exercise is contained in Annex B. Communications will be conducted through cellular and satellite telephones, channel 22a vhf marine radio, and USCG aviation radios.

### 14. Reports.

Each participant is encouraged to keep a log (ICS 214) for their activities, noting issues for developing the procedures manual. Nuka Research will produce a brief exercise report based on the de-brief. The primary documents resulting from the exercise will be Procedures Manual and training materials.

15. Schedule of Events.

<b>Date</b>	<b>Event</b>	<b>Location</b>	<b>Stage Coordinator</b>
07/30/07	Arrive Dutch Harbor and check-in	City Council Chambers	Amy Gilson, Nuka Research
07/30/07 0930 hr	Film crew briefing	UCB	Kelly O'Brien, UCB
07/30/07 1300 hr	Participant briefing	City Council Chambers	Tim Robertson, Nuka Research
07/30/07 1330 hr	Stage I: System components and packing	Dock	John Days, City of Unalaska
07/30/07 1500 hr	Stage II. City of Unalaska harbor/airports operations	Dock/Airport	Alvin Osterback, City of Unalaska
07/30/07 1600 hr	Stage III. Line-gun operations	Dock	John Days, City of Unalaska
07/30/07 1900 hr	Stage IV: Notification, activation, command and control	City Council Chambers	CDR Steve Pearson, USCG Sector Anchorage
07/31/07 0630 hr	No-host breakfast	Grand Aleutian	
07/31/07 0730 hr	Ops Briefing	Grand Aleutian	LT Greg Crettol, USCG MSD Unalaska
07/31/07 0800 hr	Stage V. Helicopter mobilization to ship and tug	Tbd Unalaska Bay	CDR Steve Pearson, USCG Sector Anchorage
07/31/07 1100 hr	Stage VI. Ship to tug deployment	Tbd Unalaska Bay	Captain Steve Moreno, AMPA
07/31/07 1400 hr	Stage VII. Tug to ship deployment	Tbd Unalaska Bay	Captain Chris Izzler, Gyrfalcon Captain Rod George, James Dunlap
07/31/07	Participants Dinner	Grand Aleutian Hotel	Hosted by City of Unalaska
08/01/07 0900 hr	De-brief	City Council Chambers	Tim Robertson, Nuka Research

16. Annexes

Annex A: Safety Plan

To be provided by LT. Crettol

Annex B: Communications Plan

To be provided by Vern Johnson

Annex C: Pre-Brief

To be provided by Nuka Research

Annex D: De-Brief Form

To be provided by Nuka Research