



**MARITIME OPERATIONS DEPARTMENT
MARINE SAFETY**

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Letter Report of Safety Inspection for MODU/MOU

BACKGROUND: The Flag Administration implemented the IMO Code for the construction and equipment of Mobile Offshore Drilling Units on 1 January 1991. Only those units which fully comply with the IMO MODU Code can be issued an IMO MODU Safety Certificate (defined as **Category I Units** by the Administration). To provide safety inspection coverage for those units which are in the Registry that have shown safe service, but can not fully comply with the MODU Codes developed at IMO, the Administration established a parallel safety inspection program which will provide a National MODU or MOU Certificate to these units provided they meet the National requirements (defined as **Category II** units by the Administration).

This inspection is intended to assist owners in maintaining all Mobile Offshore Units (Jack-ups, Semisubmersibles, FSO's, Offshore Production Facilities, etc. which do not have to comply with the ISM Code, ISPS Code or Maritime Labour Convention) at all times in compliance with the applicable safety provisions of SOLAS and the National Maritime Regulations (does **not** include Drill Ships):

- (a) 1979 MODU Code (keel laid prior to 1 May 1991)
- (b) 1989 MODU Code (keel laid on/after 1 May 1991)
- (c) 2009 MODU Code (keel laid on/after 1 January 2012)
- (d) National MODU/MOU Regulations

NOTE: This form is to be completed by the Nautical Inspector on the occasion of each inspection. The original and all copies are to be signed by both the Nautical Inspector and the vessel's Master (or his authorized representative in his absence). A copy shall be delivered by the Nautical Inspector to the Master and retained on board by the latter as part of the vessel's official documents. A scanned copy of the report retained by the Inspector must be returned to audit@liscr.com. The Master shall produce the vessel's copy of the previous report on request to the Nautical Inspector on the occasion of any subsequent inspection.

Name:	IMO Number:	O.N.:	Inspection Type: <input type="checkbox"/> Initial/Annual <input type="checkbox"/> Special <input type="checkbox"/> Other:
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Place Inspected:	Date Inspected:	Gross Tons	Year Built	Phone:
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Name and address of managing owner/operator or bareboat charterer:	Fax:
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Type: <input type="checkbox"/> Drill Ship <input type="checkbox"/> Column Stabilized (Semi-Submersible) <input type="checkbox"/> Self-Elevating (Jack Up) <input type="checkbox"/> Other	Code: <input type="checkbox"/> Pre 79I <input type="checkbox"/> 79 MODU Code <input type="checkbox"/> 89 MODU Code <input type="checkbox"/> 09 MODU Code	Occupation: <input type="checkbox"/> Drill Unit <input type="checkbox"/> Production <input type="checkbox"/> Storage <input type="checkbox"/> Other	<input type="checkbox"/> Self Propelled <input type="checkbox"/> Non Propelled <input type="checkbox"/> Dynamically Positioned	Email:
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Summary:

- The inspector did not find any deficiencies, we wish to commend you, and the vessel's master and crew for maintaining a high standard of safety on board this vessel.
- The inspector did not find any deficiencies but does have some recommendations. Please see the list below. We encouraged you to follow the recommendations.
- The Inspector's list of deficiencies, recommendations and recommended corrective actions are listed below. Please send your response regarding the listed deficiencies to the Administration within thirty days.
- The inspector found serious deficiencies, which must be corrected before the vessel is allowed to sail. The serious deficiencies are noted on the list below. This ship may also be required to have a Special Inspection and you will be contacted to schedule this additional inspection if needed.

Deficiencies and/or Recommendations

No.	Deficiencies	Required Action	Date to be Completed

No.	Remarks, Observations and/or Recommendation	Recommended Action

IMPORTANT NOTICE

THE INSPECTION REPORT DOES NOT CONSTITUTE CERTIFICATION, WARRANTY OR OTHER REPRESENTATION AS TO THE SEAWORTHINESS OF THE VESSEL DESCRIBED HEREIN, NOR DOES IT RELIEVE ANY PERSON OR ORGANIZATION FROM THEIR RESPECTIVE RESPONSIBILITIES AND OBLIGATIONS TO ENSURE THAT THE VESSEL IS MAINTAINED IN A SEAWORTHY CONDITION.

Sincerely,	
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Name of Inspector/MID number	Name of the Master or Representative
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Additional Sheets may be added if needed

REPORT OF INSPECTION

PART A. SHIP DOCUMENTS -- STATUTORY CERTIFICATES								
Name of Certificate	Applicable	Issue Date	Expiry Date	Name of Certificate	Applicable	Issue Date	Expiry Date	
1. IMO MODU Safety Certificate (Category I Units)				7. ILO Crew Accommodations Certificate				
2. National MODU Safety Certificate (Category II Units)				8. Lifting Gear Certificates				
3. International Load Line Certificate				9. Diving System Safety Certificate				
4. International Oil Pollution Prevention Certificate				10. ISSC (if applicable)				
5. International Tonnage Certificate				11. SMC (If applicable)				
6. Radio Station License				12. Liability Certificate (If applicable)				
PART B. PUBLICATIONS (Indicate if on board)								
NAME OF PUBLICATION	Applicable	On Board	Issue/YR.	NAME OF PUBLICATION	Applicable	On Board	Issue/YR.	
1. Combined Publication Folder Edition				7. Garbage Management Plan & Record Book				
2. National Articles of Agreement				8. Oil Record Book Part I				
3. Manual for use by Maritime Mobile/ Maritime Mobile Satellite Service (ISBN 92-61-05921-X)				9. MARPOL 73/78				
4. ICS Guide to Helicopter Operations				10. Operating Manual				
5. International Code of Signals				11. Training Manuals (SOLAS)				
6. SOPEP				12. MODU Code (1979, 1989 or 2009 as appropriate)				
PART C. MANNING								
1. Vessel Holding Minimum Safe Manning Certificates in Vessel's Present Name: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Application Submitted?								
2. Personnel assigned to meet the requirements of the Minimum Safe Manning Certificate: <input type="checkbox"/> Yes <input type="checkbox"/> No								
PART D. OFFICER CERTIFICATION								
1. LIST OF OFFICERS <u>NOT</u> HOLDING NATIONAL LICENSE OF RANK OR HOLDING EXPIRED NATIONAL LICENSES:								
NAME					RANK			
a.								
b.								
c.								
PART E. SEAFARER'S FLAG DOCUMENTATION								
1. Are the persons required to be on board by the Minimum Safe Manning Certificate in possession of appropriate Seafarer's ID Books? <input type="checkbox"/> Yes <input type="checkbox"/> No								
2. Are number of qualified persons required by Minimum Safe Manning Certificate on board? <input type="checkbox"/> Yes <input type="checkbox"/> No								
3. Training records? (first week - initial familiarization: location of lifesaving & firefighting equipment & responsibility according to station bill; by 2nd month - use of all safety equipment, hypothermia, & severe weather instructions; & every 4 months inflating and launching of davit launched inflatable liferafts. <input type="checkbox"/> Yes <input type="checkbox"/> No								
4. Nautical inspector to collect a copy of the record of hours of rest and attach to this report along with the crew list and watch schedule <input type="checkbox"/> Comments see Section 11								
PART F. MEDICINE CHEST AND MEDICAL PUBLICATIONS								
Yes	No							
<input type="checkbox"/>	<input type="checkbox"/>	1. Fully stocked with instructions						
<input type="checkbox"/>	<input type="checkbox"/>	2. International Medical Guide (current 3 rd edition):						
<input type="checkbox"/>	<input type="checkbox"/>	3. Medical Log Book:						
<input type="checkbox"/>	<input type="checkbox"/>	4. <u>Accident Prevention on Board Ships at Sea and in Port</u>				Edition:		
<input type="checkbox"/>	<input type="checkbox"/>	5. Certificate of designated medical care provider onboard?						

PART G. CREW ACCOMMODATIONS – (Visual observation in accordance with ILO Conventions)		
Yes <input type="checkbox"/>	No <input type="checkbox"/>	1. Access and escape arrangements: (MODU Code 09: 2.2, 9.4; 89: 9.3; 79: 9.3; general provision contained in SOLAS regulation II-2/13) :
<input type="checkbox"/>	<input type="checkbox"/>	2. Crew Spaces clear of ship's stores or equipment: (MODU Code 09: 1.1.3, 9.2.5.3; 89: 1.3.45, 9.1.4; 79: 1.3.34, 9.1.3.3)
<input type="checkbox"/>	<input type="checkbox"/>	3. Fire Detection/Fire Alarm Systems: (MODU Code 09: 9.5, 9.10; 89: 9.7; 79: 9.7)
<input type="checkbox"/>	<input type="checkbox"/>	4. Lighting: (MODU Code 09: 5.3.4, 5.3.5, 5.3.6, 5.4.6. 1, 5.4.6.2, 5.4.6.3; 89: 5.2.4, 5 2.5, 5.2.6, 5 3.6.1, 5.3.6.2, 5.3 6.3, 5.3.4; 79: 5.2.2)
<input type="checkbox"/>	<input type="checkbox"/>	5. Ventilation (non-hazardous spaces): (MODU Code 09: 9.3.15, 9.3.16, 9.3.18, 9.3.20, 9.3.21, 9.3.23, 9.15; 89: 9.2.14, 9.2.16, 9.2.17, 9.2.18, 9.2.20; 79: 9.2.11, 9.2.12)
<input type="checkbox"/>	<input type="checkbox"/>	6. Sanitary Facilities: (MODU Code 09: 1.3.43; 89: 1.3.17; 79: 1.3.14)
<input type="checkbox"/>	<input type="checkbox"/>	7. Drinking Water:
<input type="checkbox"/>	<input type="checkbox"/>	8. Galley (Sanitation, trash, grease traps, ventilation): (MODU Code 09: 9.3.15& 9.3.16; 89: 9.2.14, 9.2.16; 79: 9.2.11, 9.2.12)
<input type="checkbox"/>	<input type="checkbox"/>	9. Interior Finish/Design:
PART H. LOG BOOK		
1. English Language: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Comments see Section 11		
PART I. NAVIGATIONAL AIDS		
LIST NAVIGATIONAL AIDS ON BOARD: (NAVTEX/EPIRB/VHF) (applicable provisions of SOLAS IV & V)		Yes No
1. Radar:		<input type="checkbox"/> <input type="checkbox"/>
2. Magnetic Compass:		<input type="checkbox"/> <input type="checkbox"/>
3. Gyro Compass:		<input type="checkbox"/> <input type="checkbox"/>
4. EPIRB: (MODU Code 09, 89 &79: 11.4.2.2) No. On Board Due date (List in Comments) Battery expired? <input type="checkbox"/>		<input type="checkbox"/> <input type="checkbox"/>
5. DP system in accordance with: (09: 4.13; 89: 4.12; 79: n/a)		<input type="checkbox"/> <input type="checkbox"/>
6. DP operator(s) trained to operate the DPs?		<input type="checkbox"/> <input type="checkbox"/>
7. VHF Radio - self-propelled & units under tow (MODU Code 09, 89 &79: 11.4.2)		<input type="checkbox"/> <input type="checkbox"/>
8. Check for MF, HF & Inm – C depending on Sea Area of MODU operation (SOLAS IV/7.1.5, 9.1.1 &9.1.2)		<input type="checkbox"/> <input type="checkbox"/>
9. AIS/LRIT - self-propelled & under tow (SOLAS IV/7.1.3 & SOLAS V/19-1/2.1.3)		<input type="checkbox"/> <input type="checkbox"/>
10. NAVTEX - self-propelled & units under tow (MODU Code 09, 89 &79: 11.4.2.3)		<input type="checkbox"/> <input type="checkbox"/>
11. Aero-mobile VHF (MODU Code 09, 89 & 79: 11.6)		<input type="checkbox"/> <input type="checkbox"/>
12 SART (MODU Code 09: 10.14.2; 89: 10.13.2; 79: 10.7.2 6) No. On Board Due date (List in Comments Section 11) Battery expired? <input type="checkbox"/>		<input type="checkbox"/> <input type="checkbox"/>
PART J. NAVIGATION; CHARTS -- PUBLICATIONS AND RECORDS MODU Code 09: 11 & applicable provisions of SOLAS Chapter V; 89: & 79: 11 & applicable provisions of SOLAS IV (1988 amendments).		
1. Chart or other visual shows MODU'S position in the event of distress? (SOLAS V/19.2.2.4)		<input type="checkbox"/> Yes <input type="checkbox"/> No
2. Compass error book (if Compass fitted) maintained?		<input type="checkbox"/> Yes <input type="checkbox"/> No
3. Tidal Stream/Current Atlas for area?		<input type="checkbox"/> Yes <input type="checkbox"/> No
4. Other navigational records:		
PART K. GENERAL SAFETY		
1. Boat and Fire Drills held monthly? (MODU Code 09: 10.18.7, 14.12 10.18.8; 89: 10.18.6, 10.18.7, 10.18.8; 79: 10.6.3; SAF-004)		<input type="checkbox"/> Yes <input type="checkbox"/> No
2. Emergency drills held during this inspection? (MODU Code 09: 14.9.2, 14.12; 89: 14.11; 79: 10.6.3)		<input type="checkbox"/> Yes <input type="checkbox"/> No
a. Satisfactory?		<input type="checkbox"/> Yes <input type="checkbox"/> No

b. Records kept? (MODU Code 09: 14.14; 89: 14.13; 79: 10.6.3.2)	<input type="checkbox"/> Yes <input type="checkbox"/> No			
3. Condition of firefighting equipment:	<input type="checkbox"/> Comments see Section 11			
a. Fixed CO ₂ /Other system: (MODU Code 09: 9.19.1, 9.19.3, 9.19.4; 89 & 79: 9.13.2)	Servicing dates:			
b. Portable extinguishers: (MODU Code 09: 9.9; 89 & 79: 9.6) Servicing dates:	<input type="checkbox"/> Comments see Section 11			
c. Firemen's outfits: (MODU Code 09: 9.13; 89 & 79: 9.9)	<input type="checkbox"/> Comments see Section 11			
d. Fire main (gaskets): (MODU Code 09: 9.7.17; 89: 9.4.17; 79: 9.4.2.8)	<input type="checkbox"/> Comments see Section 11			
Fire stations: hoses/nozzles/spanners: (MODU Code 09: 9.7; 89 & 79: 9.4)	<input type="checkbox"/> Comments see Section 11			
e. Closures separating hazardous/non-hazardous spaces: (MODU Code 09 & 89: 6.3, 6.4; 79: 6.4)	<input type="checkbox"/> Comments see Section 11			
Fitted where required and operational?				
f. Fire pump pressure adequate?: (MODU Code 09: 9.7.5; 89: 9.4.4; 79: 9.4.1.5)	<input type="checkbox"/> Comments see Section 11			
Main: <input type="checkbox"/> Auxiliary: <input type="checkbox"/> Emergency: <input type="checkbox"/>				
g. Fire detection system: (MODU Code 09: 8.3.4,8.3.5, 8.3.6, 8.3.7, 9.10; 89: 8.3.4,8.3.5, 8.3.6, 8.3.7, 9.7; 79: 8.2.2, 9.7)	<input type="checkbox"/> Comments see Section 11			
h. Storage of gas cylinders : (MODU Code 09: 9.17; 89 & 79: 9.12)	<input type="checkbox"/> Comments see Section 11			
4. Markings/instructions/training manuals for lifesaving and firefighting equipment:	<input type="checkbox"/> Comments see Section 11			
5. Condition of lifesaving equipment:	<input type="checkbox"/> Comments see Section 11			
a. Life boats: (MODU Code 09: 10.3, 10.3.4 10.5, 10.6, 10.14.1 89: 10.1, 10.2.6, 10.2.2, 10.3, 10.4, 10.5, 10.13.1; 79: 10.1, 10.7.1) Date last exercised in the water:	<input type="checkbox"/> Comments see Section 11			
b. Lifejackets: (MODU Code 09: 10.11; 89: 10.10; 79: 10.3)	<input type="checkbox"/> Comments see Section 11			
c. Life buoys: (MODU Code 09: 10.13; 89: 10.12; 79: 10.4)	<input type="checkbox"/> Comments see Section 11			
d. Pyrotechnics: (MODU Code 09: 10.15; 89: 10.14; 79: 10.8) Date manufactured:	<input type="checkbox"/> Comments see Section 11			
6. Number and condition of rescue boats: (MODU Code 09: 10.8 to 10.10; 89: 10.7 to 10.9; 79: 10.2)	<input type="checkbox"/> Comments see Section 11			
7. Number of inflatable Liferrafts: (MODU Code 09: 10.3.2, 89: 10.2.2; 79: 10.1.1.2) dates serviced:				
8. Emergency source of electrical power, describe: (MODU Code 09: 5.4, 7.10; 89: 5.3, 7.10; 79: 5.3, 7.10)	<input type="checkbox"/> Comments see Section 11			
9. Gas detection and alarm, Comments: (MODU Code 09: 9.11; 89 & 79: 9.8)	<input type="checkbox"/> Comments see Section 11			
10. Operational requirements (see Chapter 14 in either the 1979 or 1989 MODU Code as appropriate): Is contained in chapter 14 of all three MODU Codes. NB: 89 & 09 have extended provisions on emergency procedures, muster list, manning of survival craft and supervision, emergency instructions, training manual, training aids, drills and records of drills and LSA inspections.	<input type="checkbox"/> Comments see Section II			
a. Self-propelled units check: Machinery controls, Steering Gear, Communications between navigation bridge and engine room and Engineers' alarm. (MODU Code 09, 89 & 79: 7.1.2, 7.4, 7.5, 7.6, 7.7, 7.8)	<input type="checkbox"/> Comments see Section 11			
b. All units check: Means of escape, Helicopter Facilities (include comms. & visual aids for landing and taking off): (MODU Code 09: 13.1, 13.5, 11.6, 11.7, 11.8, 11.9; 89: 13.1, 13.4, 13.5, 11.6, 11.7, 11.8, 11.10; 79: 13.1, 13.3, 13.4, 11.6, 11.7, 11.10); <input type="checkbox"/> Comments see Section 11				
Diving System Instructions and Towing Guidelines: (MODU Code 09: 14.1.1.17, 14.1.3.16 , 14.7; 89: 14.1.3.16, 14.1.3.17, 14.4, 14.6; 79: 14.4 14.6) <input type="checkbox"/> Comments see Section 11				

11. Additional comments and general remarks on overall condition of unit, include condition of engine room spaces/bilges and disposal of oil:

Differences in Requirements: * indicates 09 MODU Code, ** 89 MODU Code & * 79 MODU Code**

Lifeboats/survival craft

* Requires each unit to carry on each side of the unit, one or more lifeboats of such aggregate capacity to accommodate the total number of persons on board. Also, SEDU (Self Elevating Drilling Unit) and CSDU (Column-Stabilized Units) are required to install lifeboats in at least two widely separated locations on different sides or ends of the unit. The capacity of the lifeboats should be sufficient to accommodate all persons on board if i) all lifeboats in any one location are lost or rendered unusable or ii) all the lifeboats on any one side, any one end, or any one corner of the unit are lost or rendered unusable. NB: Lifeboats must comply with the LSA Code requirements.

** Requires each unit to carry one or more lifeboat on each side of the unit of such aggregate capacity will accommodate the total number of persons on board. Lifeboat should satisfy the requirements of SOLAS III/46 (1983 Amendments). Also, SEDU and CSDU are required to install lifeboats in at least two widely separated locations on different sides or ends of the unit. The capacity of the lifeboats should be sufficient to accommodate all persons on board if i) all lifeboats in any one location are lost or rendered unusable or ii) all the lifeboats on any one side, any one end, or any one corner of the unit are lost or rendered unusable.

*** Requires each unit to be provided with not less than two survival craft of such aggregate capacity as to accommodate twice the number of persons on board. Survival crafts are required to comply with provisions of SOLAS III/5, 6, 7, 11 or 15, 16 & 17 for lifeboats and liferafts.

* & ** For SEDUs. Where lifeboats cannot be located in widely separated locations, the Administration may permit the aggregate capacity of the lifeboats to accommodate the total number of persons on board due size and configuration constraints.

Lifejacket

*Requires lifejackets satisfying requirements of 2.2.1 and 2.2.2 of the LSA Code be provided for every person on board a unit. It also requires sufficient lifejackets to be stowed in suitable locations for those persons who may be on duty in locations where lifejackets are not readily accessible. Moreover, sufficient lifejackets are required to be placed at remotely survival craft positions/locations as deemed necessary by an Administration. Also, lifejackets must be fitted with lifejacket light as required by LSA Code.

**Requires lifejacket be provided for every person on board unit and lifejackets must comply with the requirements of SOLAS III/32.2 & 32.3 (32.3 fitted with light) and sufficient lifejackets should be stowed in suitable locations for those persons who may be on duty in locations where their lifejackets are not readily accessible.

***Requires that lifejacket of an approved type and meeting the requirements of SOLAS III/22 provided for all persons on board. In addition, units are required to carry lifejackets for not less than 5% of the total number of persons on board.

Liferaft

*Requires units to carry a liferaft or liferafts on either side of the unit and of such aggregate capacity to accommodate the total number of persons on board. Liferafts are required to comply with the LSA Code. If liferaft/s cannot be readily transferred for launched on either side of the unit, the total capacity available on each side should accommodate all persons on board. Also, liferafts are required to be served by liferaft launching appliances or marine evacuation systems in keeping with the LSA Code.

**Units are required to carry a liferaft or liferafts complying with SOLAS III/39 or 40 (1983 amendments) on either side of the unit and of such aggregate capacity to accommodate the total number of persons on board.

*** Requires each unit to be provided with not less than two survival craft of such aggregate capacity as to accommodate twice the number of persons on board. Survival crafts are required to comply with provisions of SOLAS III/5, 6, 7, 11 or 15, 16 & 17 for lifeboats and liferafts.

Fire-fighters' outfits

*Requires two spare charges be provided for each required breathing apparatus. However, units that are equipped with means to fully recharge the air cylinders free from contamination need are required to carry only one spare charge for each apparatus.

** & ***Requires spare charges to be provided for each unit to the satisfaction of the Administration.

Portable

*Requires portable fire extinguishers to be provided in number and arrangement in the following locations in keeping with the Organization guideline and to the satisfaction of the Administration:

- Cranes with electric motors ----- extinguishers are not required
- Space containing the controls for the main source of electrical power --- 1 each of type A and C extinguisher is required
- Cranes with external combustion engine ----- 2 type extinguisher is required (1 in cab and 1 outside cab)
- Drill floor ----- 2 type C extinguisher are required (1 at each exit)
- Helidecks ----- type B extinguisher & other fire-fighting equipment are required.
- Machinery spaces ----- type B extinguisher combined with the selection of either fixed pressure water-spraying system or a fixed gas fire-extinguisher system or a fixed high extension form installation or portable foam extinguishers.

** & *** Requires units to be fitted with approved portable fire extinguishers to the satisfaction of the Administration which we have delegated to The Recognized Organizations.

Recharging of air cylinders

*Requires units which are fitted with means of recharging air cylinders to have such equipment powered from the emergency supply or by independently diesel generator and such that the air cylinders may be used immediately after recharging.

** & *** does not provide requirements for recharging air cylinders.

Guidance on training requirements for DP Operators

*MSC.1/Circ.738/Rev.1/ provides guidance on the training of DP Operators as prepared by the International Marine Contractors Association (IMCA).

**MSC/Circ.645 provides on the training of DP Operators as prepared by the Sub-Committee on Ship Design and Equipment.

Operational requirements

*&*** Requires normal and emergency operation manual to be contained in units' Operational Manual and should address a list of critical items where applicable. All three MODU Codes do not preclude units from COLREG except when stationary and engaged in drilling operations but are under obligation to comply with additional requirements imposed by coastal states.

Also, * & ** requires each unit when stationary and engaged in drilling operations to report its position and approximate duration of operation to the requisite national body to facilitate the promulgation of the necessary marine notices.

*&*** requires units to have and make available relevant training manuals and onboard training aids to each person onboard.

Radiocommunications and navigation:

All three MODU Codes have similar requirements for self-propelled and non-self-propelled units.

***Requires radio communications personnel to obtain appropriate training.**