

DART FIELD SERVICE PLAN

TASK ORDER NUMBER: 06-6973-18-2234-101 (CPAY FIELD SERVICE)
06-6973-18-2234-001 (FIELD SERVICE)

FSP NUMBER: 08078

STATIONS: 46412, 43412, 43413, 32411

START DATE: 02/29/2008

END DATE: 03/15/2008

Addendum 1: Pre-Sail Safety

Addendum 2: Report of Accident or Illness

Addendum 3: DART II Deployment LRU Lists

Addendum 4: Buoy Mooring Diagram

Addendum 5: BPR Mooring Diagram

Addendum 6: Siting Diagrams for 43412, 43413, and 32411

SUBMITTED BY: _____

REVIEWED BY: _____

APPROVED BY: _____

SUMMARY OF WORK

DART Team personnel Kendall Michel, David Parrett, and Ronald Juneau will depart Gulfport, MS on or about February 25, 2008 en route to San Diego, CA. Upon arrival, they will go aboard the R/V NEW HORIZON and make preparations for four DART II service visits. R/V NEW HORIZON is expected to get underway on or about February 29, 2008.

Prior to getting underway, the DART Team will meet with the crew of R/V NEW HORIZON to discuss the upcoming deployment. Cruise discussions will involve what to expect during the service visits and the initial cruise time table. Once underway, R/V NEW HORIZON will proceed to DART Stations 46412, 43412, 43413 and 32411 to conduct scheduled maintenance, as described below, and then proceed to Puerto Caldera, Costa Rica. R/V NEW HORIZON will arrive in Puerto Caldera on or about March 15, 2008.

Station	Designated Location	Estimated Depth (Meters)
46412	32.246N 120.698W	3772
43412	16.033N 107W	3468
43413	10.84N 100.085W	3239
32411	4.924N 90.685W	3247

NOTE: Before beginning buoy operations, it is important that each of the persons involved know their role on the deck of the ship. The utilization of taglines to control the movement of all DART equipment is imperative, especially when transporting equipment over the water. Prior to buoy operations, all parties involved must meet to discuss a plan of deployment to ensure the safety of the team and equipment.

NOTE: Keep in mind that R/V NEW HORIZON does not have dynamic positioning. It is imperative to monitor the tension of the upper mooring, when a buoy is fastened to the deck, to ensure safety parameters are not exceeded. The Chief Scientist must ensure communications with the Captain/Bridge are maintained throughout buoy operations to relay mooring tension status.

Upon arrival at Station 46412, on or about February 29, 2008, the DART Team will begin buoy operations. (see D100303 – DART II Buoy and Bottom Pressure Recorder Deployment). Buoy operations will consist of recovering the BPR and changing the batteries and acoustic modem board, then pulling the buoy on deck to change the batteries, replace the Primary Payload and replace the acoustic modem board in the Secondary Payload. When this is complete, the buoy will be returned to the water and the BPR will be deployed.

Following the service of Station 46412, the team will remain on site for verification of the next scheduled 6-hour data transmission to the RUDICS Server. This will be coordinated with the DAC or assigned DART Engineer. Once the block of hourly transmitted data is verified by SSC, the team will be released from site.

Once underway from station, R/V NEW HORIZON will proceed to Station 43412. Upon arriving at Station 43412, on or about March 6, 2008, the DART Team will begin buoy operations. Buoy operations will consist of recovering the BPR, pulling the buoy on deck to

change the batteries and acoustic modem boards, changing the BPR batteries and acoustic modem board, then returning the buoy to the water and redeploying the BPR.

Following the service of Station 43412, the team will remain on site for verification of the next scheduled 6-hour data transmission to the RUDICS Server. This will be coordinated with the DAC or assigned DART Engineer. Once the block of hourly transmitted data is verified by SSC, the team will be released from site.

Once underway from station, R/V NEW HORIZON will proceed to Station 43413. Upon arriving at Station 43413, on or about March 9, 2008, the DART Team will begin buoy operations. Buoy operations will consist of recovering the BPR, pulling the buoy on deck to replace the batteries, the Secondary Payload, the acoustic modem board in the Primary Payload, then returning the buoy to the water and deploying a new BPR.

Following the service of Station 43413, the team will remain on site for verification of the next scheduled 6-hour data transmission to the RUDICS Server. This will be coordinated with the DAC or assigned DART Engineer. Once the block of hourly transmitted data is verified by SSC, the team will be released from site.

Once underway from station, R/V NEW HORIZON will proceed to Station 32411. Upon arriving at Station 32411, on or about March 12, 2008, the DART Team will begin buoy operations. Buoy operations will consist of pulling the buoy on deck and replacing the batteries, the Secondary Payload and the acoustic modem in the Primary Payload, then returning the buoy to the water.

Following the service of Station 32411, the team will remain on site for verification of the next scheduled 6-hour data transmission to the RUDICS Server. This will be coordinated with the DAC or assigned DART Engineer. Once the block of hourly transmitted data is verified by SSC, the team will be released from site.

Once underway from Station 32411, R/V NEW HORIZON will proceed to Puerto Caldera, Costa Rica. R/V NEW HORIZON will arrive in Puerto Caldera on or about March 15, 2008.

ESTIMATE OF FIELD SERVICE MAN HOURS

Personnel: 3
Days: 20
Hours: 384

SAFETY

Safety: ****Attached**** Incident/Accident Investigation Report. This form should be completed within 24 hours after the incident/accident. If an accident/incident occurs, obtain the report number from NTSC Operations.

POINTS OF CONTACT

SAIC

Data Assembly Center (DAC): (228) 688-2835
Doug Maxwell Office: (228) 688-3593, Cell: (228) 363-1431
Kirk Benson Office: (228) 688-1737, Cell: (985) 710-3454
John Tancredi Office: (228) 688-2050
Jack Higgs Office: (228) 688-3382
Greg Eisman Office: (228) 688-1831

TRANSPORTATION*

Joseph Kelly – 985-707-3303 (Cell)
985-641-4673 (Home)

* To be contacted in case of any expenditure of Government funds in relation to transportation costs.

NDBC

Shannon McArthur Office: (228) 688-2830
Dr. Chung-Chu Teng Office: (228) 688-7101

SPECIAL EQUIPMENT

Laptop Computers (2) *

* - These items must be taken on cruise. DART personnel will maintain continuous accountability of government/SAIC computer equipment.

SHIP/VESSEL INFORMATION

EMBARK LOCATION:

Nimitz Marine Facility (MARFAC)
297 Rosecrans Street
San Diego, CA 92106-3505
POC: Fred Piper
(858) 534-1643

DEBARK LOCATION:

Pier #3 Puerto Caldera
Agent: Tudoran Transport
Vasile Tudoran,
819 Ohio Ave.
Long Beach, CA 90804
Phone: (562) 882-5590
Fax: (562) 434-9800
Email: corsario7@gmail.com

Sub Agent: SERMAR SA
Apartado 76 PUNTARENAS
Costa Rica, Central America
Person in charge: Juan Carlos Fernandez
Cell: 011 506 840 8530
Office: 011 506 661 1529
Fax: 011 506 661 2770

ACOUSTIC RELEASE CODES

Station 46412

Property #: 25480	Serial #: 31153
Release: 434355	Int: 11 Khz
Enable: 422247	Rep: 12 Khz
Disable: 422264	

Station 43412

Property #: 24860	Serial #: 30961
Release: 424670	Int: 11 Khz
Enable: 402300	Rep: 12 Khz
Disable: 402323	

Station 43413

Property #: 25475	Serial #: 31165
Release: 434644	Int: 11 Khz
Enable: 436246	Rep: 12 Khz
Disable: 436265	

Station 32411

Property #: 25468	Serial #: 31171
Release: 435006	Int: 11 Khz
Enable: 436544	Rep: 12 Khz
Disable: 436567	

PRE-SAIL SAFETY

PRE-LOAD TO DO:

- TALK TO THE CREW ABOUT PLACEMENT OF EQUIPMENT
 - EQUIPMENT SHOULD BE LOADED IN ORDER OF SERVICES TO BE DONE
 - EQUIPMENT SHOULD BE LOADED AND SAFELY FASTENED TO THE DECK OF THE SHIP TO ENSURE CREW SAFETY AND EQUIPMENT SAFETY

PRE-DEPLOYMENT/SERVICE TO DO:

- TEAM SHOULD DISCUSS WITH CREW A PRE-DEPLOMENT/SERVICE GAME PLAN BEFORE EACH BUOY OPERATIONS
 - DISCUSS WHO IS THE LEAD ON THE DECK DURING OPERATIONS
 - HOW WILL THE BPR BE DEPLOYED/RETRIEVED
 - ONCE BPR IS ON DECK, WHO WILL HAVE TAG LINES
 - WHERE WILL THE TAG LINES BE ON THE BPR (CHECK ALL TAG LINE ANGLES FOR SAFETY)

NOTE: SAFETY IS MOST IMPORTANT. IF A TEAM MEMBER IS HURT, THE MISSION IS A FAILURE.

DECK LEAD _____

ALL PARTIES INVOLVED

REPORT of ACCIDENT or ILLNESS

NDBC TECHNICAL SERVICES CONTRACT			CASE NO:
REPORT OF ACCIDENT/ILLNESS			DATE:
Safety and Health Management Information			DEPT:
TO BE COMPLETED BY EMPLOYEE			
1. Reason for Report: ~ Accident ~ Illness ~ Incident			
2. Employee Name:	3. SSN:	4. Job Title:	5. Extension:8-2241
6. Date of Birth (MM/DD/YY):	7. Gender: ~ Male ~ Female	8. Date of Event:	9. Time of Event:
10. Location of Accident/Illness:			
11. Description of Accident/Illness/Incident:			
12. Extent of Injury/Illness and Body Parts Affected:			
Employee Signature:			Date:
TO BE COMPLETED BY EMPLOYEE'S SUPERVISOR			
13. Medical Treatment: ~ Yes ~ No		14. Lost Time: ~ Yes ~ No	
15. Investigator's Name:		Investigation Date:	
16. Findings:			
17. Property Damage Estimate: \$			
18. Corrective Action:			
19. Corrective Action Completed (Date):		~ Estimated	~ Actual
Investigator's Signature:		Date:	
Investigator's Title:		Phone:	