



Transponder Recovery ROV DIVE PLAN

This scenario is designed to practice deploying and recovering transponders to and from a "Chicken Foot" that is suspended above the ocean floor.

The scenario requires the use of a single ROV.

Field Layout

The field consists of the 4 transponders spaced 100 meters apart. Each transponder is attached to a float and anchor. There is also a chicken foot with 4 new transponders to replace the old ones, launched from the surface, as well as 4 wellheads located around the field.

ROV tools and equipment required in the Scenario

ROV tools required for this dive:

- None

Equipment and models required for this dive:

- 1 Chicken foot
- 4 new Transponders with attached floats and anchors

| ROV Set Up | |
|---|---|
| ROV 1 <ul style="list-style-type: none">• ROV starboard manipulator (Titan 4 - 7 function arm)• ROV port manipulator (Rigmaster 5 function arm) | TMS <ul style="list-style-type: none">• None |
| ROV 2 <ul style="list-style-type: none">• ROV starboard manipulator (Gauntlet - 4 function arm) | TMS <ul style="list-style-type: none">• Cage TMS |

Pre Job Tasks

None

ROV Operations

Transponder Recovery

1. Locate the chicken foot and fly the ROV to its location.
2. Retrieve one of the transponders (T5, T6, T7, or T8) from the chicken foot.
3. Using the VSONAR, locate one of the transponders (T1, T2, T3, or T4) that are distributed around the field and fly the ROV, with the transponder you have retrieved from the chicken foot, to its location.
4. Place the new transponder next to the existing one.
5. Retrieve the original transponder (T1, T2, T3, or T4) and return it to the chicken foot to the pelican hook side (hook with a locking pin).

Repeat Steps 2-5 until all transponders have been replaced (T1, T2, T3, and T4 are on the chicken foot, and T5, T6, T7, and T8 have been distributed around the field).

6. Signal the surface ship to retrieve the chicken foot.

ROV Supervisor Name:

Date:

Comments:

