

MARS/CS 'Global Sentinel':

Date: Revised 5th March 2007

The following schedule is draft/tentative only and is totally weather dependant.

It should be emphasized that the following programme and schedule activities are subject to change due to prevailing circumstances and weather conditions encountered at the time.

- 1) Monday March 5th 2007 ----- All reps and operational personnel join vessel. Finalise equipment loading.
- 2) Wednesday March 7th 2007 ----- 09:00 ---- Vessel departs Tyco terminal
- 3) Wednesday March 7th 2007 ----- 18:00 ---- Vessel at Columbia River Bar
- 4) Wednesday March 7th 2007 ----- 21:00 ---- Vessel at CWE Area # 2 --- Commence plough trials
- 5) Thursday March 8th 2007 ----- 12:00 ----- Vessel completes plough trials ----- Set on for Monterey via San Francisco Pilotage.
- 6) Saturday March 10th 2007 ----- 23:59 ----- Vessel arrives at TRF deployment area to carry out ROV survey
- 7) Sunday March 11th 2007 ----- 12:00 ----- Vessel completes ROV survey of TRF deployment area. Commence transit to shore end area.
- 8) Sunday March 11th 2007 ----- 18:00 ----- Vessel commences PLGR operations ----- Conduct Shore End co-ordination meeting on board with GEG and associated personnel when possible during ongoing PLGR operations
- 9) Monday March 12th 2007 ----- 23:59 ----- Vessel completes PLGR operations----- transits to shore end location.
- 10) Tuesday March 13th 2007 ----- 06:00 ----- Vessel in position for Shore end operations -----
- 11) Tuesday March 13th 2007 ----- 08:00 ----- Vessel commences shore end and HDD landing operations.
- 12) Tuesday March 13th 2007 ----- 18:00 ----- Vessel completes shore end and HDD landing operations ----- Commence plough burial cable installation operations.

- 13) Thursday March 15th 2007 ----- 18:00 ----- Vessel completes 1st phase of plough burial cable installation operations up to 33.556 km of SAL paid out. 37.295 km length of SAL cable cut at this point.
- 14) Thursday March 15th 2007 ----- 23:59 ----- Commence and complete turn over remaining 3.739 km SAL to uncover 3.613 km SA ----- Commence and complete turnover 3.613 km SA so that both ends cleared and available for jointing. Commence joint SJ1 33.556 km SAL to 3.613 km SA
- 15) Friday March 16th 2007 ----- 18:00 ----- Complete joint SJ1 33.556 km SAL to 3.613 km SA ----- Commence joint SJ2, 3.613 km SA to 7.624 km SA ----- Continue plough to Smooth Ridge PLUP Position
- 16) Saturday March 17th 2007 ----- 12:00 ----- ----- Complete joint SJ2, 3.613 km SA to 7.624 km SA ----- Recover plough at Smooth Ridge PLUP position.
- 17) Saturday March 17th 2007 ----- 23:59 ----- Vessel completes surface lay operations through Smooth Ridge area to PLDN position
- 18) Sunday March 18th 2007 ----- 01:00 ----- Commence plough launch at PLDN position
- 19) Sunday March 18th 2007 ----- 02:00 ----- Re-commence plough burial cable installation operations.
- 20) Sunday March 18th 2007 ----- 18:00 ----- Vessel completes 2nd phase of plough burial cable installation operations. Recover plough at TRF deployment PLUP position ----- Carry out stern to bow cable transfer.
- 21) Sunday March 18th 2007 ----- 20:00 ----- Commence installation of Looped Fibre End Seal (LFES) and zinc anode to cable end
- 22) Monday March 19th 2007 ----- 02:00 ----- Complete installation of Looped Fibre End Seal (LFES) and zinc anode to cable end. Commence buoying off operations.
- 23) Monday March 19th 2007 ----- 04:00 ----- Complete buoying off operations. Set on for San Francisco for personnel transfers.
- 24) Tuesday March 20th 2007 ----- 04:00 ----- Arrival San Francisco for personnel transfers
- 25) Wednesday March 21st 2007 ----- 06:00 ----- Depart San Francisco for LFES buoyed end and TRF deployment site

- 26) Thursday March 22nd 2007 ----- 06:00 ----- Arrive LFES buoyed end and TRF deployment site. Commence recovery operations
- 27) Friday March 23rd 2007 ----- 06:00 ----- Complete buoy and LFES cable end recovery operations.
- 28) Friday March 23rd 2007 ----- 08:00 ----- Bring assisting vessel with TRF and CTA alongside CS 'Global Sentinel' ----- Transfer 70m cable tail end from assisting vessel to CSGS jointing area and commence jointing activities.
- 29) Saturday March 24th 2007 ----- 08:00 ----- Complete jointing of TRF CTA to system cable ----- Commence TRF deployment.
- 30) Sunday March 25th 2007 ----- 08:00 ----- Complete TRF deployment
- 31) Sunday March 25th 2007 ----- 10:00 ----- Commence ROV PLIB on TRF tail and cable system.
- 32) Monday March 26th 2007 ----- 10:00 ----- Complete ROV PLIB on TRF tail and cable system ----- Commence transit to San Francisco.
- 33) Tuesday March 27th 2007 ----- 12:00 ----- Arrive San Francisco ----- Commence offloading all required equipment, stores and personnel.
- 34) Wednesday March 28th 2007 ----- 12:00 ----- Complete offloading all required equipment, stores and personnel ----- CS 'Global Sentinel' released from ASN charter.
- 35) Contingency total ----- 6 Days in order to comply with requirement that CS 'Global Sentinel' is available for other commitments as from 3rd April 2007