SEAMAP — A MIND Technology Business

- We run courses to meet customer demand and are happy to attempt to accommodate any date convenient to your crews. To check whether a course date is available please email: seamapsales@mind-technology.com

- We aim to fill a total of 8 places for each course. If you have less than 8, we can advertise the dates to other companies to make up the full delegate requirement.

- Seamap also offers a GunLink Operators Training Course, plus Advanced Engineering Training Courses for GunLink 2000 and 4000. Full details are available by emailing seamapsales@mind-technology.com

- Seamap must be in receipt of a purchase order to guarantee places. Seamap Pte Ltd. reserves the right to cancel courses if attendance is too low. To avoid disappointment, please book early as demand for places is high.

Course Venue
Village Hotel Changi in Singapore. Duration: 1.5 days.

BuoyLink is designed to require a minimum amount of operator intervention, but is a complex and feature-rich system. In order to achieve a state of high operator confidence (one which makes the job easier and your company's production improved), good training is essential.

BuoyLink uses the latest GPS receiver technology, mounted on shock isolated frames in ruggedised housings, to provide an improved solution for sub-meter positioning. Bundled software provides a range and bearing solution for Integration to the most modern Navigation Platforms.

BuoyLink is available with 14-channel or 12-channel state-of-the art GPS receivers which incorporate technology that offers significant multi-path elimination capabilities that are advantageous for small platform operation in ocean environments.

The course is geared towards first-time users or those with little experience of the system, but also serves as an invaluable tool for those that have used the system extensively but would benefit from expert tuition on the many facets of the software.

The course is a combination of lecturing with the use of a projector and flip-chart, software driven examples, and hands-on experimentation. The course agenda detailed in this information pack is an outline of the material covered. Please note that actual content may change as we like to adapt the course to suit the personnel, their specific requests and their company's use of BuoyLink.

Students are provided with a set of course notes as well as stationery for making their own notes. No previous knowledge of the system is required. Delegates are not required to bring anything to the course. Students will all receive certificates on completion of the course. These will be handed out at the end of the course or posted to your company's head office shortly after course completion.

All accommodations and travel to and from the course is the responsibility of the delegate. The course runs from 09:00 until 17:00 on day 1, and from 09:00 until 13:30 on day 2. To ensure course content isn't missed we do ask that you book any return flights with a departure time of no earlier than 19:30 on the last day of the course.

Refreshments are provided during the breaks, and water is provided throughout the course. Lunch is provided on both days. If delegates have particular dietary requirements, special requirements, allergies or are registered disabled then please email seamapsales@mind-technology.com with details at least 5 working days in advance of the course start date. All information will be treated in the strictest of confidence. All Singapore enclosed public places, including training rooms, are non smoking. We therefore ask delegates to respect this at all times during their stay.

Course Schedule:

	Training Day 1	Training Day 2
Morning Session 1	09:00 - 10:30	09:00 - 10:30
Morning Break	10:30 - 11:00	10:30 - 11:00
Morning Session 2	11:00 - 12:30	11:00 - 12:30
Lunch	12:30 - 13:30	12:30 - 13:30
Afternoon Session 1	13:30 - 15:15	13:30 - 15:15
Afternoon Break	15:15 - 15:45	15:15 - 15:45
Afternoon Session 2	15:45 - 17:00	15:45 - 17:00

Course Agenda:

1. **Introduction to Seamap**
   - Trainers
   - Students

2. **Introduction to BuoyLink**
   - System Description
   - Main Components

3. **Introduction to BuoyLink**
   - Geostationary Orbit
   - Number of Satellite Vehicles Required to Resolve Position
   - Ephemeris Data and Almanac
   - Pseudo Random Code
   - Sources of Error

4. **BuoyLink System Overview**
   - Gunfloat Module
   - Tailbuoy / Remote Module
   - Master Radio Module
   - Master GPS Interface Unit
   - Power Supply / Interface Unit

5. **Differences in BuoyLink Models**

6. **System Assembly and Installation**
   - Configuration Files
   - Programming the Modules

7. **System Operation**
   - Software Description, Multiplexing Stage
   - RTKNav & Automatic Configuration of Receiver
   - Data Path and Reporting Options
   - How to Integrate a System With a Seismic Navigation Package
   - Applying Power to a Tailbuoy / Remote Module

8. **Testing and Troubleshooting**
   - Hyper-terminal
   - Infrared Communications
   - LED Status Information
   - Resetting Factory Default Configurations

9. **Module Conversion**
   - Converting a Tailbuoy Unit to a GunFloat Module and Vice Versa

Further Information:

Course Leader:
Tim Pinnington, your course trainer, will be happy to answer any queries you may have during the course.

Course Notes:
Students are provided with a set of course notes.

Tim Pinnington - Trainer

BuoyLink Query:
Should you have any technical queries regarding our BuoyLink System,
please email to: buoylink_support@mind-technology.com

Please Note:
Further courses in Singapore can be arranged upon request. We aim to fill a total of eight places on each course. Seamap Pte Ltd reserves the right to cancel courses if attendance is too low.

Please be aware that all course cancellations will be charged at full rate.

Students will all receive BuoyLink Training Certificates on completion of the course. These will be handed out at the end of the course or posted to your company's head office shortly after course completion.

Hotel Guestroom

Training Room

Guest Pool

Hotel Accommodation and Training Venue:

Unwind from the bustle of city life at the minimalist-chic Village Hotel Changi, just minutes away from the Singapore Changi Airport, where the uncluttered décor of sleek lines and stylish interiors offer a quiet repose for some needed rest and relaxation. Retreat to a relaxing abode of their unique guest rooms and shower facilities that come complete with basic amenities to make your stay more comfortable.

Pamper yourself at the rooftop spa or simply indulge in the swimming pool, as you look out into the horizon and watch planes fly by.

Check in is from 14:00 on the day prior to the start of the course. Check out is 12:00 noon. Luggage can be looked after by Hotel Reception while guest are waiting for rooms or about to depart the hotel.

Village Hotel Changi
1 Netheravon Road
Singapore 508502
Tel: (65) 6379 7111
Fax: (65) 6545 0113

*Please check with hotel reception for the allocated training room.

Free Hotel Shuttle Service:

The hotel has a 24 hour courtesy shuttle service from the airport to the hotel and visa versa. We encourage all trainees to take advantage of this free service provided by Village Hotel Changi. Please see attached Shuttle Service Schedule on the following page. Should you decide to catch a cab from the airport to the hotel there is a constant flow of taxis with an approximate fare of S$15.00 (one way). The hotel is only 10 minutes away from the airport.

Village Hotel Changi - Changi International Airport (Shuttle Service)

Route 1 - To Changi International Airport

Departs From Village Hotel Changi	Arrives at Terminal 1 Departure Hall	Arrives at Terminal 2 Departure Hall
05:00	05:20	05:25
06:00	06:20	06:25
07:00	07:20	07:25
08:00	08:20	08:25
09:00	09:20	09:25
10:00	10:20	10:25
11:00	11:20	11:25
12:00	12:20	12:25
13:00	13:20	13:25
14:00	14:20	14:25
15:00	15:20	15:25
16:00	16:20	16:25
17:00	17:20	17:25
18:00	18:20	18:25
19:00	19:20	19:25
20:00	20:20	20:25
21:00	21:20	21:25
22:00	22:20	22:25
23:00	23:20	23:25
00:00	00:20	00:25
00:00	00:20	00:25
01:00	01:20	01:25

Route 2 - To Village Hotel Changi

Departs From Terminal 2	Departs from Terminal 1	Arrives at Village Hotel Changi
05:25	05:30	05:50
06:25	06:30	06:50
07:25	07:30	07:50
08:25	08:30	08:50
09:25	09:30	09:50
10:25	10:30	10:50
11:25	11:30	11:50
12:25	12:30	12:50
13:25	13:30	13:50
14:25	14:30	14:50
15:25	15:30	15:50
16:25	16:30	16:50
17:25	17:30	17:50
18:25	18:30	18:50
19:25	19:30	19:50
20:25	20:30	20:50
21:25	21:30	21:50
22:25	22:30	22:50
23:25	23:30	23:50
00:25	00:30	00:50
01:25	01:30	01:50

1. Complimentary shuttle service is for hotel guests ONLY.

2. Seats are subject to availability on a first come, first served basis.

3. Guests are advised to be present at respective Coach Bays (Village Hotel Changi, Terminal 1&2) ten minutes prior to departure time.

4. Times are estimated and subject to change due to traffic conditions at time of travel.

5. For arrival transfers, guests <u>MUST</u> approach respective Ground Transport Desk (Terminal 1&2) within Arrival Hall for assistance.

6. Upon arrangements by the Ground Transport Desk, the shuttle service will pick up the guests from the respective terminal. Boarding will be at the respective Coach Bay (Terminal 1&2).

7. Guests arriving from Terminal 3 will have to make their way to Terminal 1 or 2 via Skytrain to board the shuttle service.