




FLEET MANAGEMENT

Voyage Monitoring

Effective fleet management depends upon making the right decisions at the right time. Voyage Monitoring, Pole Star's latest enhancement to its web-based Fleet Management system, delivers vital information on a continual basis, enabling ship operators to monitor the actual progress of a vessel against its voyage plan. Commercial decision-making, voyage management and cost control will be improved.

Current status	
VOYAGE SETTINGS CURRENT STATUS	
Alarm status	
Voyage name	0206-Perth-Jakarta
Vessel name	Apollo
Schedule	<input type="checkbox"/>
Late by	11.5 hours
Scheduled arrival date & time	2011-02-06 19:28:42 (UTC)
ETA	2011-02-07 06:58:42 (UTC)
Speed	<input type="checkbox"/>
Underspeed by	2.5 knots
Leg transit speed	19 knots
Average speed	16.5 knots
Off track	<input type="checkbox"/>
Off track by	1068 nautical miles

Click on map to enlarge



Voyage Monitoring processes the automatic position report data sent from the ship to generate up-to-date information on vessel progress tracked against the voyage plan. It also compares the data against three critical voyage parameters: schedule, speed and track. By setting user-defined alarms and notifications, the

operator will receive automatic updates on ETA, over/underspeed and off track. In addition, the operator can poll to receive an immediate position report that Voyage Monitoring will compare with the voyage plan to provide an up-to-the-minute assessment of the ship's voyage status.

Using Voyage Monitoring

1. Create route

Upload a route from a vessel's voyage plan using the Fleet Management import tool; create route manually; or copy an existing route in Voyage Monitoring.

Route waypoints						
Waypoint number	Waypoint name	Waypoint latitude	Waypoint longitude	Leg type	Leg distance (nautical miles)	Distance to go (nautical miles)
1	Pascagoula (departure)	30° 20' 42.00" N	88° 30' 20.00" W	RL	100.5	2221.6
2	Pensacola	28° 54' 10.00" N	87° 31' 27.00" W	RL	75.3	2121
3	Port St Joe	27° 41' 30.00" N	87° 08' 53.00" W	RL	150.5	2045.7
4	Bahia Honda	25° 16' 14.00" N	86° 24' 59.00" W	RL	229.7	1895.2
5	Puerto Juarez	21° 34' 35.00" N	85° 19' 28.00" W	RL	230.6	1665.6

2. Create voyage

Associate a ship to a particular route and create a schedule.

Enter voyage details

Voyage name: 20110303_Pascagoula

Vessel: <Select one>

Route: Usa To Ecuador2011/02/17 15:26:49

Scheduled departure date & time: [] [] [] [] [] []

Calculate Schedule (Select one option)

Planned voyage speed: [] knots

Scheduled arrival date & time: [] [] [] [] [] []

3. Set alarms and notifications

Set up alarm thresholds and notifications in order to be alerted in the event of any slippage or deviation from schedule.

Alarm thresholds

Any deviation from the scheduled voyage will trigger an alarm based on the alarm thresholds set below. The voyage map will display coloured icons to indicate the current alarm status: no alarms (green), warning (amber), critical (red).

Alarm thresholds			
Alarm type	Warning (amber)	Alarm type	Critical (red)
Early by	6.0 hours	Early by	12.0 hours
Late by	6.0 hours	Late by	12.0 hours
Overspeed by	3.0 knots	Overspeed by	5.0 knots
Underspeed by	3.0 knots	Underspeed by	5.0 knots
Off track by	35.0 nautical miles	Off track by	50.0 nautical miles

4. Start voyage monitoring

Start voyage monitoring when actual departure time is confirmed.

Departure details

User departure date & time: [] [] [] [] [] []

BACK CANCEL START MONITORING

Voyage details

Voyage name: 0315-LON-RJ

Vessel name: Aphrodite

Voyage status: Not started

Voyage tracking interval: 240 minutes

Activate voyage monitoring: Manual

Key features

- Alarm status overview for the entire fleet
- User sets reporting interval (one/two/four hours)
- Frequent ETA updates
- Regular monitoring of vessel speed
- Early warning of vessel deviations
- Notification of vessel passing selected waypoints
- Instant assessment of total average speed at voyage end