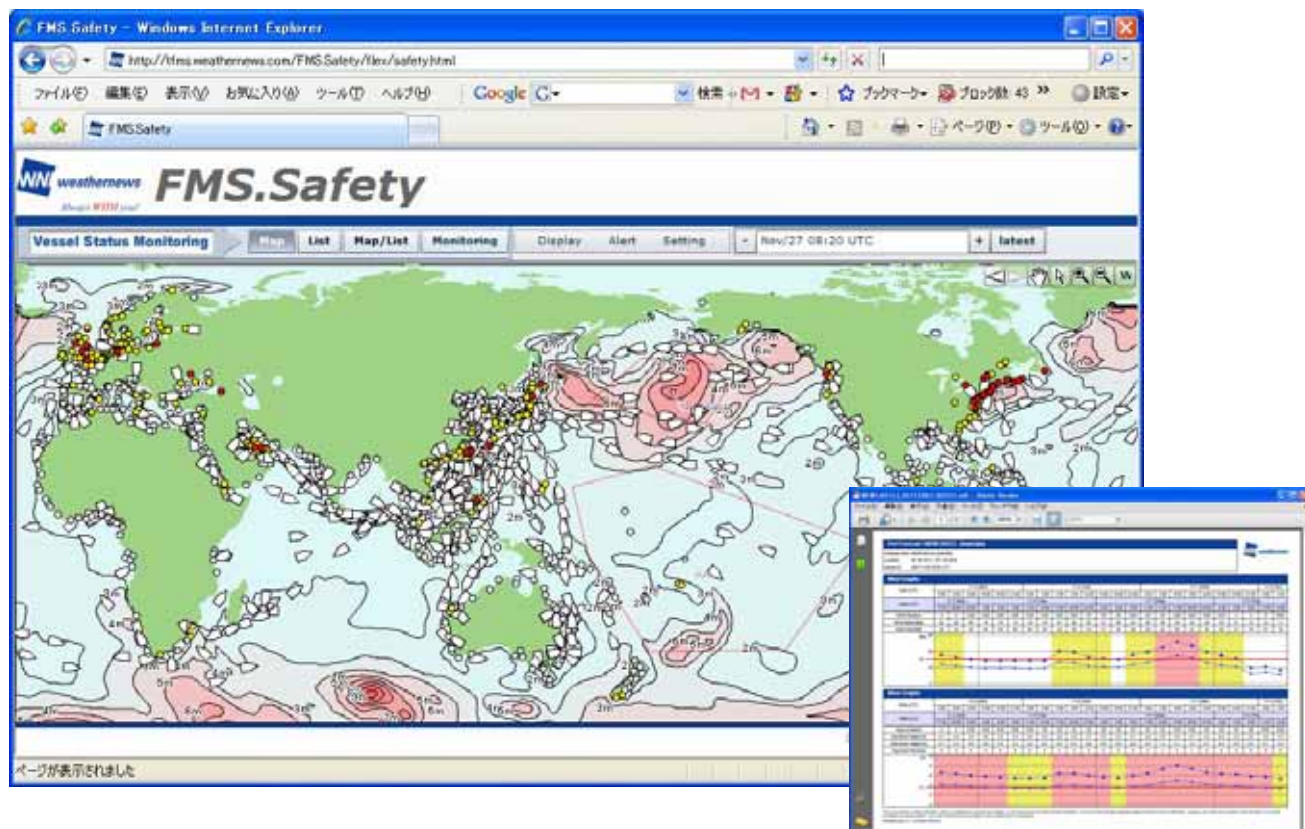


FMS.Safety

(Web-Based Tool for Safety Operation)



Purposes

- To monitor not only 'Running' (underway) status but also 'In-Port', 'Anchoring', 'Drifting' vessels' status
- To support safety operation (especially safety port operation)

What is FMS.Safety?

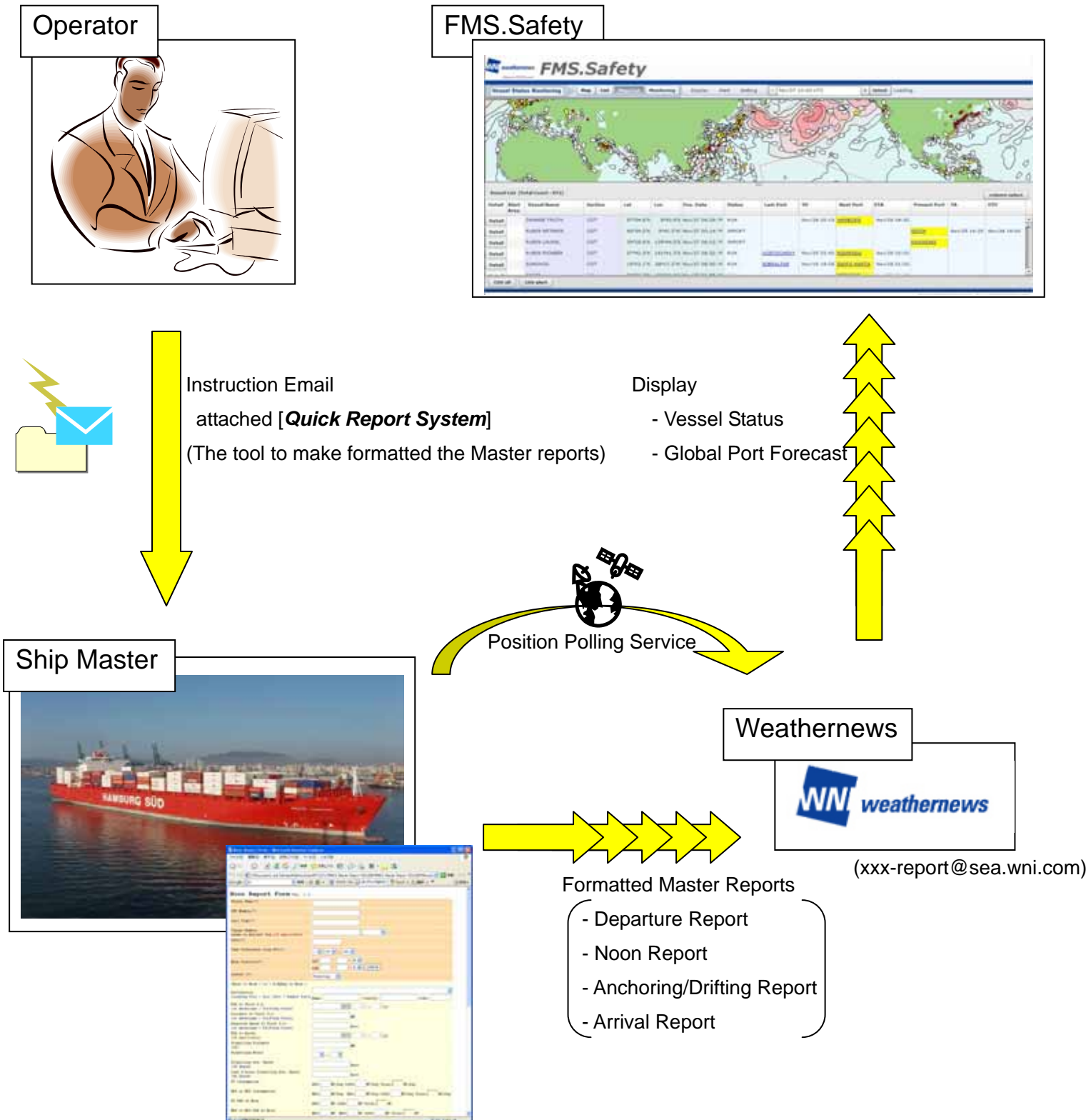
FMS.Safety is the newest web-based tool developed as part of our Total Fleet Management Service supporting the safe shipping operations for our cs.

This new interface expands on our Optimum Port Operation service by displaying alerts from anchored ships that will to encounter heavy conditions. This alerts are based on reported information from all vessels (including vessels in port) information (VSM:Vessel Status Monitoring.) This alerts are displayed in an easy to read format alongside forecasts from our 1000-port Optimum Port Operation database. The information provided by FMS.Safety makes it possible for Operators to see if any vessel in their fleet will experience dangerous weather conditions up to 48 hours ahead, not only for vessels underway. FMS.Safety will also send Port Forecasts to Ship Masters automatically to support vessels at sea. By combining these services with Weathernews' Oceanrouting Service for underway vessels, we can provide clients with constant monitoring of their shipping operations, and support them with "Total Fleet Management Service."

The important thing when considering the support of safe vessel operations is being able to provide operators and other interested parties with the most recent position and status information contained in reports from vessels at sea, regardless of whether they are crossing oceans, travelling coastal routes, or anchored. To achieve this, we have created a simple, standardized reporting format for Ship Masters, and an automated HTML-based tool for them to use to produce the text of the reports.



Flow of VSM and OPO Service Offer



OPO for Ship Master

Weathernews sends an email to Masters, with the port forecast.

This email is

- the weather forecast for destination port as reported by the Master Report.
- delivered when the vessel is within 48 hours of Master's ETA or in port.
- automatically delivered as per request from operator.

The screenshot displays an email interface. The main window shows an email with the following details:

- Subject:** The Next/Present Port Forecast - メッセージ (テキスト形式)
- From:** 宛先 'Master'
- CC:**
- Subject:** The Next/Present Port Forecast
- Attachment:** NEWCASTLE_05112007_06UTC.pdf (13 KB)

The email body contains the following text:

Dear Sirs,

We are sending you a port forecast (please see attachment) as per request from your operator.

- * This E-mail is the weather forecast for your destination port as reported by the Master Report.
- * This E-mail is delivered when the vessel is within 48 hours of Master's ETA or in port.
- * This E-mail is automatically delivered as per request from your operator.

The address from which this email was sent is not staffed, therefore please always reply to:
 XXX@XXX.co.jp (Operator's email address)

Best regards
 Weathernews, Inc.

To the right, a preview of the PDF attachment is shown. It is titled 'Port Forecast | NEWCASTLE (Present)'. It contains two 'Wind Graphs' with data tables and line charts showing wind speed and direction over time.

Quick Report System (HTML Format)

1. Departure Report Form

3. Anchoring and Drifting Report Form

2. Noon Report Form

4. Arrival Report Form