

Paper for Consideration by NIPWG

Coordination with the initiative of the International Harbour Masters' Association (IHMA) on Port Call Optimization

Submitted by:	IHB
Executive Summary:	This paper provides a brief description of the initiative of the International Harbour Masters' Association (IHMA) on "Port Call Optimization" and invites the NIPWG to consider how this initiative can best be coordinated with the relevant tasks of its Work Plan, notably in relation with the IHO contribution to the development and implementation of Maritime Service Portfolios within e-navigation.
Related Documents:	SNPWG17-25, HSSC6-07.1A.
Related Projects:	NIPWG Work Plan 2015-2016

Introduction / Background

1. Sweden briefed SNPWG-17 on the development of the AVANTI project (Access to Validated Nautical Information) developed by the International Harbour Masters' Association (IHMA) in liaison with the UK Hydrographic Office (UKHO). The report was noted but no specific action was considered by the SNPWG. It emerged from further discussions between the IHB and the IHMA Secretariat that the AVANTI project is part of a wider initiative aiming at providing more reliable, accurate and easily accessible nautical port information in support of optimized berth-to-berth operations in relation with the development of e-navigation. This paper provides a brief description of the IHMA initiative and invites the NIPWG to consider how this initiative can best be coordinated with the relevant tasks of its Work Plan, notably in relation with the IHO contribution to the development and implementation of Maritime Service Portfolios within e-navigation.

Analysis/Discussion

2. The IHMA is a non-governmental international organization accredited as an observer to the IHO. Its membership consists of Harbour Masters from all types of ports, large and small, publicly and privately owned. It currently has 200 members from 40 different countries.

3. Prodded by shipping lines seeking more port efficiency and reliable berth-to-berth passage planning, IHMA has established a joint industry task force bringing shipping and ports together to promote "Port Call Optimization" through improving the quality and the availability of all relevant information.

4. The Port Call Optimization initiative includes two components:

- improving the quality and availability of port data such as depths and admission policies (in relation with under keel clearance requirement and tidal windows), in order to ensure vessel – berth compatibility and a clear understanding when it is safe for the ship to arrive or leave. This is the aim of the AVANTI project;
- improving the quality and availability of event data such as first line ashore time, bunker operations, last move or last hose time in order to enable just in time planning of pilot on board, pre-planning of all port services and planning to the next port. This is the aim of the PRONTO (Port Rendez-vous Of Nautical and Terminal Operations) project.

5. Each project is implemented through a prototype web-based application developed in accordance with "internationally accepted standards and formats suitable for shipping's worldwide requirements". The prototypes are being tested with selected ports in Europe, Americas, and the Far East. The initiative is coordinated by a task force including representatives of the oil and gas industry (Shell; Vopak Agencies), the shipping industry (Maersk; CMA CGM) and ports (Rotterdam, Netherlands; Gothenburg, Sweden) and the "building partners", respectively

the UKHO for AVANTI and GS1, a not-for-profit, international organization that develops and maintains standards for supply and demand chains, for PRONTO.

6. The IHMA initiative on Port Call Optimization touches upon a number of issues within the scope of the IHO which will be reported to HSSC. They include two core issues within the scope of the NIPWG Work Plan:

- standardization, collection and dissemination of nautical port information (task F refers);
- definition, standardization and implementation of the Maritime Service Portfolios in the context of the e-navigation strategy implementation plan (task G refers).

Conclusions

7. The IHMA initiative on "Port Call Optimization" is directly related to tasks of the NIPWG Work Plan.

Recommendations

8. It is recommended that the NIPWG considers ways and means to coordinate the relevant tasks of its Work Plan with the IHMA initiative on "Port Call Optimization".

Justification and Impacts

9. The recommendation would ensure that the IHMA initiative is coordinated with IHO and HO activities and that the consistency and reliability of nautical information services is maintained. The resource implications cannot be assessed at this early stage. The implication of the S-100WG will probably be required at some stage.

Action Required of NIPWG

10. The NIPWG is invited to:
- a. note this report;
 - b. consider the recommendation in paragraph 8;
 - c. take any other actions as it considers appropriate.