dbh Logistics IT AG

POS Port Operation System

The POS includes the following modules:

- ***PortOS (Port Operation System)***

  PortOS is the port operation platform for organizing, managing and invoicing the vessel arrivals, load- and un-load operations, vessel departure and preparing the key values for the invoicing. PortOS includes the global berth planning, tug boat and pilot organization, dangerous goods controlling (incoming, in the yard and out-going). Via VIS-declaration PortOS receives the vessel declaration for incoming vessels including vessel specific information and waste disposal declarations.

  Based on the vessel declaration the port operator can manage the vessel and vessel operation in the port. Utilizing these parameters/information, the invoice module receives the key values for the invoicing.

- ***DaCom (Dangerous Cargo Management System)***

  The DaCom module is connected to the PortOS system to manage and control all dangerous cargos witch is on the way into the port, already stored in the port or leave the port.

  Carriers and vessel operators can send their dangerous cargo declaration via EDI (PROTEC II) to the DaCom module.

  Over the connection between DaCom and VIS the DaCom module provides the information for SafeSeaNet.

  The DaCom module will provide the information to the fire brigade for averting of a danger, too.

- ***VIS-declaration (Vessel-Information-System)***

  The VIS is the interface for the vessel-operators and carriers for doing their vessel-declaration for vessel arrivals at the to the port authorities. The vessel declaration includes information about the vessel identifications, dimension and information about the un-loading and loading plans, information about crew members and passengers and also for waste disposal.

  The vessel declaration will be forwarded into the PortOS and will receive back the events for arrival (ATA) and departure (ATD). This information is used for the SafeSeaNet, too, as well as vessel travelling information (incoming, outgoing and arrival notice).

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With integration of the single window approach in VIS the declaration can be sent by EDI, too.

- ***NSW (National Single Window) - still under development***

NSW will cover all interfaces and information which are required by the recommendation 2010/65. The NSW will have a connection to SafeSeaNet as global European head system for this approach. The NSW will include the EDI interfaces for vessel operators and carriers for all 7 FAL FORMS and two amendments, too.

Within the development it is planned to give the responsible parties access to the single window by EDI interfaces and for smaller clients without powerful IT-systems by using web applications. Every kind of interface covers the requirement to input data once.

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