



Shipdex

CONSULTING

Your **best partner** for electronic technical publications management

Our mission is to offer the best support to every organization that decides to approach the **Shipdex Protocol**

- SHIPDEX DATA PRODUCTION
- SHIPDEX SOFTWARE TOOLS
- TRAINING
- COMPUTER BASED TRAINING PRODUCTION
- CONSULTANCY

Shipdex Consulting Ltd. is the service company specialized in technical documentation developed in accordance with the **Shipdex Protocol** (www.shipdex.com)

Our mission is to offer **the best support to every organization** that decides to adopt the Shipdex Protocol.

Our services and software products are directed to every organization working in **the shipping market**:

- Makers
- Ship-owners
- Shipyards
- Ship managers
- Engineering companies
- IT companies
- Class Societies

The Company has been founded by the author of the **Shipdex Protocol**. He currently acts as the **Technical Manager** for the Shipdex organization.

We are the most entitled company to offer Shipdex services and related software products.



The Shipdex Protocol

Shipdex is a non-proprietary standard protocol open to all shipping players who wish to adopt it. The Protocol has been developed by an international non-profit organization composed of some important makers, ship-owners and an IT company (for more information see www.shipdex.com).

The scope of Shipdex™ protocol is to replace paper manuals with advanced, electronic and standardized Technical Publications.

Shipdex is the customization for the shipping community of the international S1000D specification (www.s1000d.org) already in use for 30 years in the aerospace and military market (naval, land and air) and adopted more recently by the Civil Aviation.

The Protocol provides a collection of international business rules developed to standardize and improve the production, the exchange and the use of technical information between equipment makers, shipyards, ship-owners and ship managers.

It enables equipment manufacturers and shipyards to structure, write and deliver technical manuals in an advanced electronic and standardized format, much easier and more effective to produce and to subsequently manage, compared to traditional methods of writing technical manuals using word processors.

Shipdex data offer ship-owners and ship managers the opportunity to eliminate or reduce the traditional pain and high costs in retrieving technical information and loading ERP (Enterprise Resource Planning) and CMM (Computerized Maintenance Management) Systems with technical manual contents.

Shipdex allows ALL ship-owners and seafarers to have fully electronic manuals on board of ships and the offices. All what is needed is the free-of-charge Shipdex Viewer to navigate through the data electronically and to turn the data into customized and editable PDF manuals.

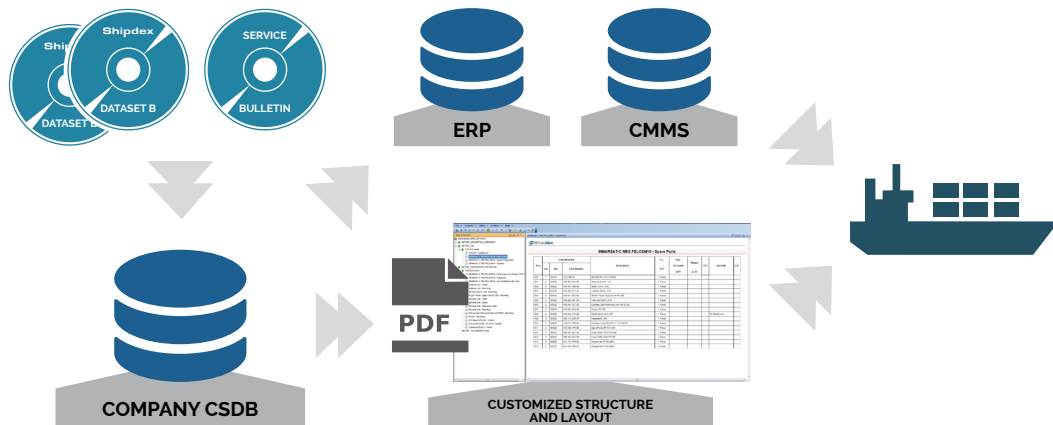
Advantages using Shipdex

Shipdex Protocol is the perfect solution for makers to produce technical manuals in a standardized electronic format and with the highest quality standard.

Shipdex drives the makers to produce electronic technical information focusing the attention to the content of the manual and forgetting the manual composition and layout.

The Shipdex Protocol is also the perfect solution for shipyards, ship-owners and ship managers to receive electronic and standardized data in Shipdex format. Every Shipdex data package (called dataset) has the same internal structure (based on mandatory xml schemas) regardless who is the maker and which is the equipment.

This means that Shipdex data can be imported into different IT systems using dedicated interfaces.



The Shipdex main benefits for makers

- > It is non-proprietary
- > It is based on a Data Dictionary and open standards as xml
- > It is based on Document Structures (xml schemas)
- > It can be linked to engineering data bases to enhance an integrated data environment
- > It allows to integrate drawings, external documents and multimedia contents (video, audio)
- > It is modular and it allows high re-usability of the data (WORM concept: Write Once Read Many)
- > It assures production cost reduction up to 40%
- > Updates can be sent to customers using Service Bulletins in Shipdex format
- > Data can be managed into a Common Source DataBase (CSDB) to:
 - Produce data under configuration and quality control
 - Easily filter and retrieve the information
 - Publish and deliver the information in different formats:
 - Shipdex datasets
 - Customized pdf manuals
 - Interactive Electronic Technical Publications (IETP)
 - Computer Based Training (CBT)
- > Receive from customers the following information:
 - Where every supplied component has been installed (on which ship and what function has been assigned)
 - Comments on the information quality

The Shipdex main benefits for customers

- > It is non-proprietary
- > Reduced risks to use not updated information
- > Faster and more efficient retrieval of information using the free Shipdex Viewer
- > Increased operational readiness through reduced MTTR thanks to more focused maintenance information
- > No need to store huge amount of paper manuals into dedicated rooms ashore and on-board
- > Data can be imported into a corporate Common Source DataBase (CSDB) to:
 - Update the information, by means of Service Bulletins in Shipdex format
 - Track all the changes and keep the history
 - Publish the data in the form of customized pdf manuals, applying the preferred chapters structure, composition and layout
 - Publish the data in the form of customized Interactive Electronic Technical Publications (IETP) to be used on-board and ashore
- > Send makers the following information:
 - Where every component has been installed (on which ship and what function has been assigned)
 - Comments on the information quality

Shipdex Consulting Ltd. offers the shipping community its high experience in the sector of technical document management providing the following services and products:

- > Production of Shipdex data from existing sources (e.g. PDF manuals) or directly from engineering information
- > Shipdex Enterprise Management Suite (Shipdex EMS), the most comprehensive IT application, based on the Common Source DataBase (CSDB), to cover the whole Shipdex process
- > Shipdex EMS offers specific tools for:
 - Makers, to produce Shipdex data under quality and configuration control and to publish the data in different formats
 - Ship-yards, ship-owners and ship managers, to check and validate the Shipdex data provided by the makers, to archive the data into the CSDB for management, to retrieve of information and to publish customized manuals
- > Development of Shipdex compliant IT applications
- > Production of Computer Based Training (CBT) re-using the information available in Shipdex format
- > Shipdex training and consultancy to every company that wishes to implement a Shipdex process:
 - Makers, to produce, manage and publish their technical data
 - Shipyards, Ship-owners and ship managers, to order, receive and manage the Shipdex data into a CSDB
 - IT companies, to improve their software systems to be Shipdex compliant
 - Engineering or logistic companies, to support makers in the production of Shipdex data
 - Classification Societies, to include the Shipdex Protocol into quality and certification processes

INMARSAT-C MES FELCOM18 - Spare Parts

Pos	Ind	MIC	Part Number	Description	HL QTY	Rec. On board QTY	Marpol A. VI	ICY	Add Info	CN
000	1	S0622	FELCOM18	INMARSAT-C FELCOM18	1 Piece					
001	2	S0622	800-020-943-00	Antenna Unit IC-118	1 Piece					
002	2	S0622	800-043-429-00	Alarm Unit IC-305	1 Piece					
003	2	S0622	800-020-971-00	Junction Box IC-318	1 Piece					
004	2	S0622	800-013-632-00	ACDC Power Supply Unit PR-240	1 Piece					

CAUTION

Do not apply paint, anti-corrosive sealant or contact spray to coating or plastic parts of the equipment.
Those items contain organic solvents that can damage coating and plastic parts, especially plastic connectors.

PRELIMINARY OPERATIONS

None

PROCEDURE

1. Mounting location

Refer to IMO resolutions A56(15) and A.807(19), as amended.

- Mount the omnidirectional antenna unit high atop a mast clear of stays and the turning diameter of a radar antenna. The ideal mounting location would be where no obstacle appears in the fore and aft directions down to 5° and down to 15° in the port and starboard directions. The concept is illustrated in the figure below. Shadow sector of the antenna mast, whip antenna, etc. should be within two degrees at one meter from the antenna unit.

ANTENNA UNIT



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