Introduction to ClassNK Archive Center

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What is the ClassNK Archive Center?

- Required functions for Ashore Archives -

**Guideline for GBS-SCF (MSC 87/5/4)**

- ✓ Long-term data storage
- ✓ Neutral position between IP-Holders
- ✓ International services
- ✓ Sufficient security controls
- ✓ Quick data recovery
- ✓ 24-7 service
- ✓ Electronic back-up of onboard information
- ✓ Protection of intellectual property rights
- ✓ Periodical & occasional updates

ClassNK responded with the “GBS-SCF ashore archive center”, the world’s first storage service meeting these requirements.
What is the ClassNK Archive Center?

- ClassNK Archive Center Services -

1. Archive Center required by GBS-SCF
   ~ClassNK Archive Center- GBS-SCFSS (GBS-Ship Construction File Storage Service)~

   Provides owners with a storage and enclosure service for SCF information in accordance with Goal-Based Standards.

   Applicable DWGs: SCF information for oil tankers and bulk carriers over 150m in length for which the contract date is in July 2016 or later or the keel laying date is in July 2017 or thereafter.

   This service will be online from July 2016

2. As-built drawing Storage Service for all kinds of ships
   ~ClassNK Archive Center-ADSS (As-built Drawings Storage Service)~

   Provides owners with a storage and enclosure service for drawings based on GBS SCF requirements.

   Applicable DWGs: All kinds, including GBS-SCF information.

   This service is already being provided.
What is the ClassNK Archive Center?

The ClassNK Archive Center was developed in consultation with The Shipbuilder’s Association of Japan (SAJ) as IP Holders.

Concept & Unified Interpretation

The ClassNK Archive Center

System

Cloud Computing Service using IBM technology

Higher Network Speed

Remote Data Protection with IP security levels

Intrusion Prevention System
ClassNK Archive Center Performance

Operation Trials by some ship owners and shipyards are being conducted and their requests and suggestions are being incorporated in the system development, in consideration with both pragmatic, solid security and ease of use.

ClassNK is committed to supporting you in developing and implementing effective solutions for your various needs.
Overview of ClassNK Archive Center

Uploader

Shipyard

Confirmation of disclosure request by IP Holder

Internet Access/Printing
Low Med

SCF Holder

Ship management Company

Disclosure request

Access

Authentication

Low Med

Entry area

Stored

SCF DB

Low Med

Download Area

Encrypted File

Printed drawing

send by courier

Onboard SCF
ClassNK Archive Center Overview

- Onboard SCF System -

Uploader -Shipyard-
SCF Holder Owner
Viewed ashore
SCF Holder Ship Management Company
Viewed ashore
Onboard SCF sent to the ship
Old media returned

Onboard SCF sent
SCF Viewed

Entry Area
Download Area
SCF-DB

2nd Authentication System - Card Reader -

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As maritime needs grow, ClassNK has solutions.

As the world’s economy grows and changes, the maritime industry is faced with ever greater challenges. With roughly 20% of the world’s merchant fleet under class, we understand the requirements for the future of safe shipping, and we’re working to develop new tools and technologies to meet the changing needs of the maritime industry. Learn more about our efforts to advance maritime safety and protect the marine environment at www.classnk.or.jp