

## ClassNK Archive Center is the solution for GBS-SCF data storage and related services



ClassNK Archive Center can store GBS-SCF for ships registered with any classification society.

### Fully compliant with IMO GBS

ClassNK Archive Center fully complies with the functional requirements of IMO GBS Guidelines and the SCF Industry Standard developed by a cross-industry group such as Shipbuilders' Associations, Shipowners' Associations and the International Association of Classification Societies (IACS).

### Robust security system

ClassNK Archive Center combines cloud-based infrastructure developed by IBM Japan to provide a fully secure and user-friendly system to stakeholders.

# ClassNK Archive Center allows GBS-SCF to be stored safely ashore

## ➤ GBS-SCF

Following the adoption of a new SOLAS regulation II-1/3-10 at the 87th session of the IMO's MSC meeting on Goal-based ship construction standards (GBS), **oil tankers and bulk carriers of 150m in length and above,**

- ❶ **for which a building contract is placed on or after July 2016 or;**
- ❷ **which are delivered on or after July 2020**

are required to have a GBS compliant Ship Construction File (GBS-SCF) available on board.

As the new GBS-SCF requires the inclusion of highly-sensitive intellectual property information such as Lines plan and Structural strength calculations belonging to shipbuilders and ship designers, the new SOLAS requirement specifies that this information can be stored in an archive center ashore.



## Functional requirements

[as specified in Guidelines for SCF implementation (MSC 87/5/4)]

- **Neutral among intellectual property holders (IP Holders)**
- **International service**      ■ **Long-term data storage**
- **Robust security system**      ■ **Quick data backup and recovery**
- **High quality and cost-effective**
- **Accessible 24 hours a day, 365 days a year**

## Main features

- **ClassNK operates the archive center as an independent third party.**
- **Data is managed and stored in a highly-secured facility that complies with the industry standard. The facility is installed with an electronic lockage system and access is controlled through biometric identification and ID card use.**
- **Certified according to ISMS (ISO-27001) \***  
\* ISMS: Information Security Management System
- **Use of IBM Japan's cloud computing technology ensures operational continuity even in the event of widespread disasters such as earthquakes and tsunamis. The system is both highly secure and user-friendly.**
- **Our center is operational 365 days a year 24/7.**

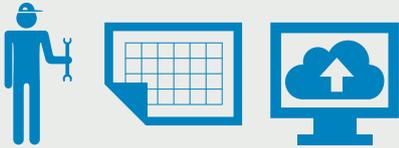
## A platform to store any ship drawings or documents for all ship types

In addition to GBS-SCF, ClassNK Archive Center can be used as a platform to store various ship drawings or documents required by regulations or information that the shipowner wants to store for any type of vessel. (Note that permission from the IP Holder will be required.) Using this service will enable you to centralize your ship drawings or documents and save storage space.

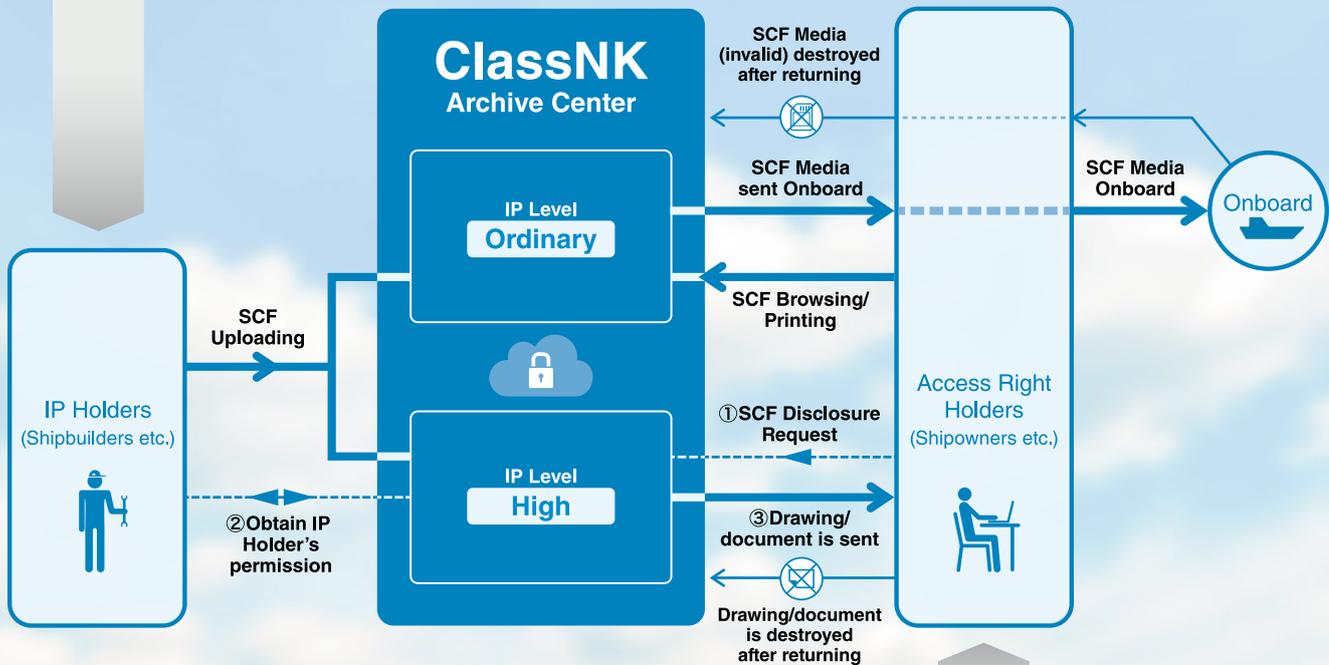
Ship information such as ship outfitting drawings, manufacturers' operation manuals or drawings belonging to the other IP Holders can also be stored in ClassNK Archive Center. As with the GBS-SCF, all ship information will be securely stored in a database that is protected from illegal external access. The system will be accessible 24/7, 365 days a year by authorized users.

# Overview of ClassNK Archive Center

## Data registration by IP Holders (shipbuilders etc.)



- ClassNK Archive Center service allows you to register and upload your SCF drawings and documents to a secure cloud-based platform.
- Upon delivery of the ship, IP Holders (shipbuilders etc.) define the IP level for each of the SCF drawings and documents as **Ordinary** or **High** level according to the SCF Industry Standard and register them to ClassNK Archive Center.
- The registered SCF drawings are then encrypted and stored securely in a database that cannot be accessed externally.



## Data browsing by Access Right Holders (shipowners etc.)



- Access Right Holders access the SCF drawings specified with an **Ordinary** IP level via the cloud platform and browse or print as necessary.
- For the SCF drawings defined with a **High** IP level (see example below), as a rule, Access Right Holders can receive the SCF drawings in paper format via ClassNK Archive Center once ① the Access Right Holder has issued a disclosure request\* and ② the IP Holder has authenticated their disclosure request to ClassNK Archive Center. This printed copy is then returned to ClassNK Archive Center where it is destroyed.

\*ClassNK Archive Center responds to disclosure requests 24/7, 365 days a year.

Example of data defined as High IP level

- Lines plan
- Structural strength calculations
- Yard plans

## Robust Security

- Detects illegal activity and is equipped with intrusion prevention system to block intruders. The system also blocks access when illegal access attempts are made.
- The data can only be viewed using a dedicated browsing system.
- An identification mark, sign and the name of the Access Right Holder will be always embedded and a precaution will be displayed when printing drawings.

## ClassNK

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### <Operating Environment>

Windows 7 or later (recommended)

Internet Explorer 11 or later

<http://windows.microsoft.com/ja-jp/internet-explorer/download-ie>

Java Runtime Environment (JRE) 8 Update 51 or later

[https://java.com/ja/download/windows\\_xpi.jsp](https://java.com/ja/download/windows_xpi.jsp)

A dedicated drawing viewer

(This software can be downloaded from ClassNK Archive Center.)