



Safer and Cleaner Shipping

***The Guidance for
Classification Survey
After Construction
2021***





Why Choose KR as Your Partner?

KR's Service

- ✓ A member of the International Association of Classification Societies (IACS).
- ✓ All KR surveyors and technical staff are highly qualified and experienced.
- ✓ Staff specialize in particular sectors such as naval architecture, marine engineering or electric engineering to ensure their skills and experience are the best available.

Statutory surveys for 82 governments including the majority of the world's maritime authorities.

Global Service Network

- ✓ 15 domestic and 51 overseas offices located at major ports are ready to serve the needs of its customers 24 hours of 365 days.

SURVEY NETWORKS



Advanced Technical Service

- ✓ CSR software program
- ✓ Sea Trade Awards winning database program : KR-CON
- ✓ Rule Check System for the European Maritime Safety Agency(EMSA)
- ✓ MED MOU Project
- ✓ Energy Saving and Energy Efficiency Improvement Technology
- ✓ Vessel's Information Service Program : Smart Fleet



Customized survey fee

- ✓ KR offers a survey fee system that has been optimized to suit shipping company.
- ✓ KR's survey fees are regularly benchmarked with the fees offered by other IACS members to ensure they are competitive.



Classification Survey After Construction

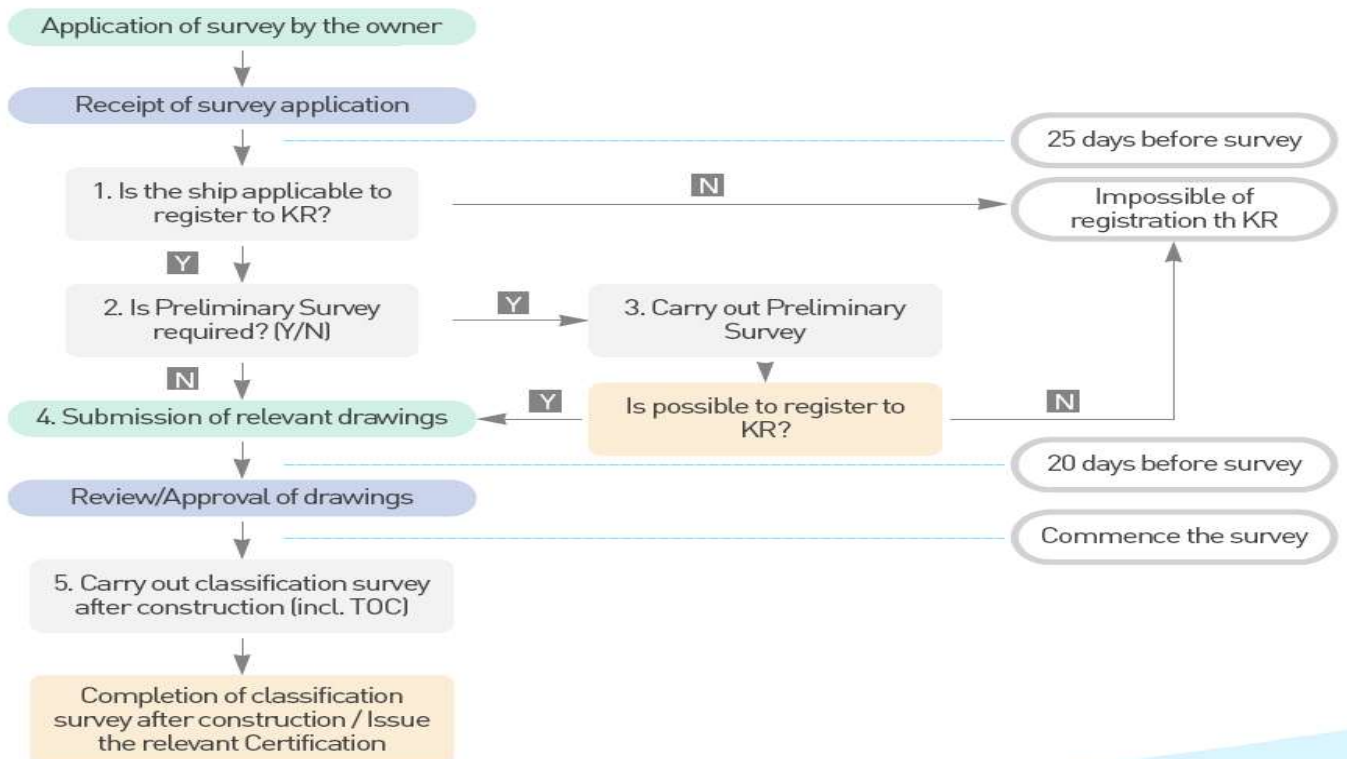
Classification Survey After Construction?

Registration survey to KR for vessel which is completed the new building construction survey and registered on the flag.

TOC (Trans of Class)?

Transfer of class (TOC) is the process by which a vessel currently classed by a member or associate of the International Association of Classification Societies (IACS) can gain Korean Register class.

< The Procedure for Classification Survey After Construction >





1. Is the ship applicable to register to KR?

- ✚ Ship of age less than 20 years
- ✚ Ship of 100 gross ton and more (If deemed necessary, CSA can be carried out for ships less than 100 gross ton)
- ✚ Special ships whose ton gross is unrestricted may be carried out classification survey after construction.
- ✚ However, even for ship's age less than 20 years old, CSA may not be accepted depending on the ship's management condition and previous PSC records are considered by this Society. (If necessary, the PSC OVERALL INSPECTION carry out)

- ✚ A ship of 20 years and above is not subject to Classification Survey after Construction in generally but may be reviewed the compliance of ship's registration with considering below condition. In case where it is complied with the ship's registration, the ship should be carried out the Preliminary survey and may be accepted ship's registration according to the result of the preliminary survey. But, where the vessel has, during any portion of the 6 months prior to the request for classification being received, been previously classed by our society, preliminary survey may be omitted.
- ✚ - ship's age, type of ship
- ✚ - Alternation of type of ship, navigation area
- ✚ - ship classed with IACS Societies, ship classed by classification survey during construction with IACS Societies or ship classed with this Society during any portion of the 6 months prior to the request for classification being received
- ✚ - PSC (Port State Control) detention record during past 3 years

* It shall be confirmed by KR Survey Team the applicability to register to KR for a ship of 20 years.



2. Is Preliminary Survey required?

✚ All ship of age 20 years and above

✚ All of cargo ships having Timber Load Line, passenger ship, which are 15 years and above

***However, even if the ship's age is less than 20 years, a Preliminary Survey can be conducted if necessary.**

✚ Preliminary Survey

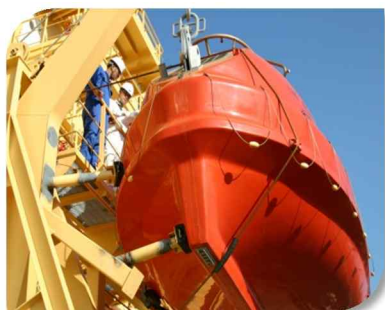
✓ Ships below 20 years of age

: inspect each compartment including the representative ballast tank and cargo areas.

✓ Ships of age 20 years and above

In addition to above 1), the preliminary survey to be carried out as follows;

- The hull, machinery, electric installation to be overall inspected under no load condition
- The close-up survey for all cargo holds to be carried out
- The close-up survey for ballast tank to be carried out and its scope to be over
- Thickness measurement for suspect area or substantial corrosion to be carried out
- Under water survey(not required in case of TOC).



3. Submission of relevant drawings

Main/Basic Plans

General Arrangement	Capacity Plan
Intact Stability Booklet	Loading Manual
Damage Stability Booklet	Freeboard Plan
Cargo Securing Manual	Fire Protection Plan
Visibility Plan	Damage Control Plan
Ship Structure Access Manual	Coating Technical File
Ship to Ship Operation Manual	

Hull Structure Plans

Midship Section	Shell Expansion
Construction Profile & Deck plan	Hatch Covers
Transverse Bulkheads	Rudder & Rudder Stock

Machinery Plans

Machinery Arrangement	Shafting Arrangement
Wiring Diagram of power system	Hull Piping Diagram
Arrangement of Electric Equipment	E/R Piping Diagram
Fixed Fire Fighting System	SOPEP/SMPEP
Stern Tube Bearing & Sealing Device	
Fire Control Plan/Life Saving Plan	P & A Manual
M/E Crankshaft	Reduction Gear
Steering Gear System	Propeller
Investigation table of Electric Load Analysis	
Operation Manual for ODMC	EEDI Technical file
VOC Management Plan	BWMP





4. Classification survey after construction

When a ship is classed by classification survey after construction

- ✓ The actual scantlings of main parts of the ship are to be measured in addition to such examinations of the construction, materials, workmanship and actual conditions of hull, machinery, outfitting and equipment as required for the Special Survey corresponding to the ship's age in order to ascertain that they meet the relevant requirements in the Rules.
- ✓ Plans and documents as may be required for Classification Survey during Construction are to be submitted.

Scope of TOC survey

Ship`s age	Hull		Mach
20 Years and above	Scope of Special survey		A general examination of all essential machinery
15 Years and above but less than 20 Years (subject to ESP Notation)	Scope of Intermediate or Special survey whichever is due next		
10 Years and above but less than 15 Years	Form of Annual survey	Rep. WBT+C/Hold	
5 Years and above but less than 10 Years	Form of Annual survey	Rep. WBT	
0 Years and above but less than 5 Years	Form of Annual survey	-	

Note for TOC survey

- ✓ **All overdue surveys and all overdue recommendations/ conditions of class**
 - For vessels less than 15 years of age
: completed and rectified by KR
 - For vessels 15 years of age and above
: should be completed and rectified by the Losing Society.
- ✓ **Acceptance of thickness measurements taken by the losing society**
 - For a periodical survey for maintenance of class
: Within the applicable survey window of the periodical survey
 - For TOC only
: Scope of a Special Survey -> Within 15 months prior to completion of TOC
: Scope of an Intermediate Survey -> Within 18 months prior to completion of TOC
 - Both cases, confirmatory gauging are to be taken to the satisfactory of the Society.
- ✓ **Dry-docking**
 - For not due : In-water survey in lieu of dry-docking.
- ✓ **In case of Passenger ship and Fishing vessel, the Classification survey after construction shall be carried out in spite of transfer of class**

- ✓ Notwithstanding the records indicating that all surveys are up-to-date, a Classification Survey is to be held as minimum technical requirements by the Society, the extent of which is to be based on the age of the vessel and the losing Society's class status as follows: However, the Society is to request, if necessary, more strict surveys than the following requirements according to the condition of ship.

✚ When a vessel is classed by the Society as a double classed vessel

■ Double classed vessel :

- ✓ a vessel which is classed by two Societies and where each Society works as if it is the only Society classing the vessel, and does all surveys in accordance with its own requirements and schedule.
- ✓ in accordance with the requirements of TOC



✚ When a vessel is classed by the Society as a dual classed vessel



■ Dual classed vessel :

- ✓ A vessel which is classed by two Societies between which there is a written agreement regarding sharing of work, reciprocal recognition of surveys carried out by each of the Societies on behalf of the other Society and full exchange of information on the class status and survey reports.
- ✓ Classification Survey having the scope of an Annual Survey as a minimum is to be carried out.



5. FAQ

1) How to applicate Classification Survey after Construction (incl. TOC)

- ✓ Application Forms (including Add. 1/2 & Add.2/2)
- ✓ Owner's Agreement(for TOC)
- ✓ Submit to KR-head office by
Email (toc@krs.co.kr)
- ✓ Download the Survey application Forms ;
Our homepage (<http://www.krs.co.kr>)
[On-line application service -> Application form]



2) The drawings to be submitted or reviewed by KR ?

TOC	Vessels which are under Korean Safety Acts (Korea flag or BBCHP)	Prior to completion of survey	<ul style="list-style-type: none"> ✚ General Arrangement and Fire control plan(Korean-English Version) to be reviewed by KR Head Office ✚ 12 drawings to be reviewed by KR field surveyor
		After completion of survey	<ul style="list-style-type: none"> ✚ Drawing related to Classification to be submitted to KR Head office until 3 months ✚ Drawing related to change of flag to be approved by KR Head Office until 5 month
	Vessels which are not under Korean Safety Acts	After completion of survey	<ul style="list-style-type: none"> ✚ Drawing related to Classification to be submitted to KR Head office until 3 month ✚ Drawing related to change of flag to be approved by KR Head Office until 5 month
			✚ Drawing related to alternation or change to be approved prior to completion of survey
non-TOC	✚ All relevant drawings to be reviewed by KR-head office prior to completion of survey		

3) In case of TOC, is due date of survey changed?

- ✓ The due date of survey is transferred to KR and Survey after construction together with periodical survey can be carried out.



4) Is it possible to trade the vessel with interim classification cert. ? When full term classification cert. is to be issued ?

- ✓ The effects of interim classification Certificate is same with full term certificate.
- ✓ Full term certificate normally issues in 5 months since complete of survey subject to the relevant drawings are submitted/approved to KR.



5) In case of TOC, why the owner's agreement is necessary?

- ✓ For TOC, survey status and relevant documents of previous Classification Society is necessary and the previous classification society does not release the documents without owner's agreement



6) What kinds of documents are to be obtained from previous owner?

- ✓ At delivery, the owner is to obtain all documents on board as possible from previous owner and specially the following documents are very important to prevent un-necessary time and expenses;

- I. Freeboard Assignment
- II. Tonnage Calculation Sheets
- III. In case of Bulk Carrier which was contracted before July 1st, 1998, IACS URS19 & S31 Calculation Sheets

1. URS19 :

Evaluation of Scantlings of the Transverse Watertight Corrugated Bulkhead between Cargo Holds Nos. 1 and 2, with Cargo Hold No. 1 Flooded, for Existing Bulk Carriers

2. URS31 :

Renewal Criteria for Side Shell Frames and Brackets in Single Side Skin Bulk Carriers



and Single Side Skin OBO Carriers not Built
in accordance with UR S12 Rev.1 or
subsequent revisions

3. URS12 :

Side Structures in Single Side Skin Bulk
Carriers

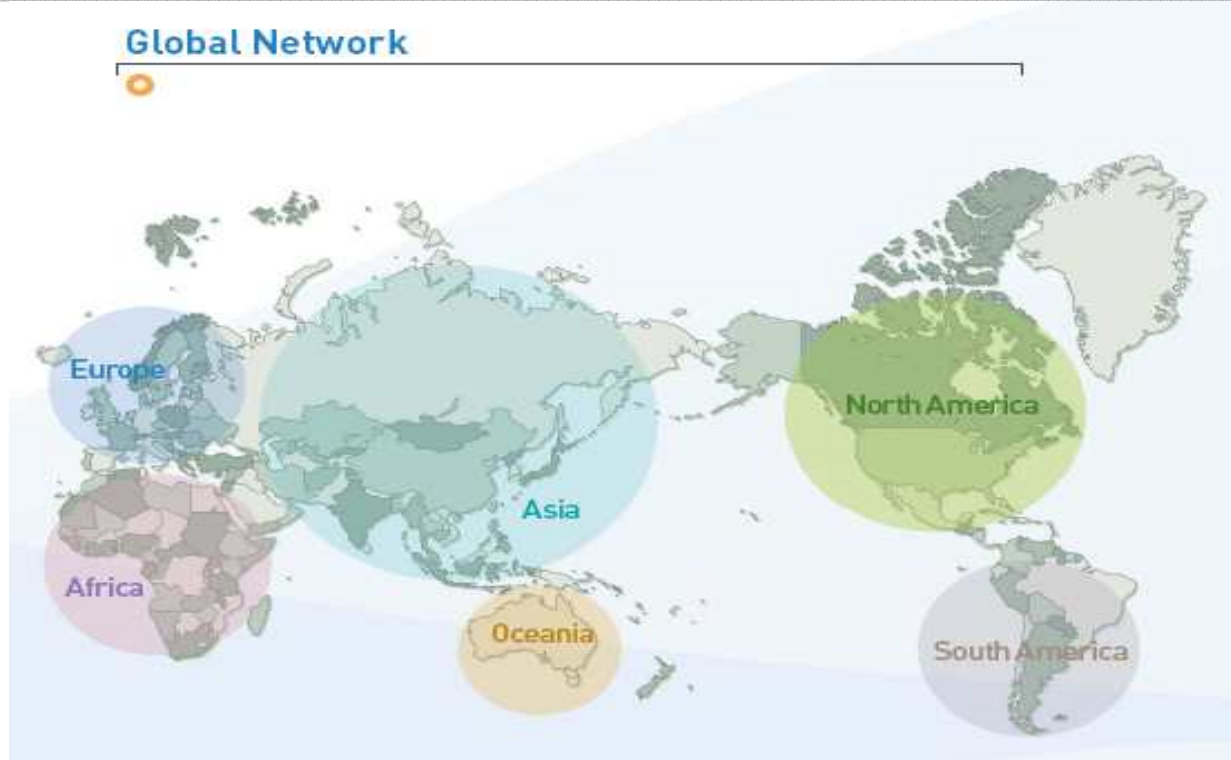
IV. Technical documents approved by previous
Society

1. Drawings
2. Stability Booklets, Loading Manual
3. SOPEP, SMPEP, P&A Manual
4. Etc

V. A original or copy of Survey Report, Records and Certificates



GLOBAL NETWORK



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Athens (Greece)
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Hamburg (Germany)
Milano (Italy)
St. Petersburg (Russia)
Istanbul (Turkey)
Dubai(UAE)
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