



Class ARS

(Aegean Register of Shipping)

- Ship Classification
- Statutory Surveys & Certification
- Plan Review & Approvals
- Marine Management Systems ISM/ISPS Codes,MLC 2006
- Maritime Consultancy Service
- Approval of Service Suppliers



Leading Partner for New Horizons

JAS-ANZ



ISO 9001:2008
CERTIFIED



OHSAS
18001
CERTIFICATION



About Class ARS

Who We Are ?

Aegean Register of Shipping (ARS) is a Classification Society founded in beginning of 2015, to offer services of high Professional quality to the maritime community, in an efficient and appropriate way. Such services are carried out with a highly qualified staff of Engineers and Naval architects which guarantee the performance of inspections and the issuance of certification according to the norms of the International Maritime Organization (IMO).

What We Do ?

- ✓ Ship classification surveys for new constructions and fleet in service under ARS own Rules & Regulations.
- ✓ Statutory surveys and certification on behalf of Flag States based on the IMO International Conventions, Codes and National Regulations.
- ✓ Plan appraisal and engineering studies.
- ✓ Assessment and certification of safety management systems under the ISM/ISPS Codes and the MLC 2006 Convention.
- ✓ Technical advisory services.
- ✓ Surveys of damage , modification or repairs verifications.

ARS Quality Assurance System

Aegean Register of Shipping (ARS) operate under the certification of the Quality system ISO 9001-2008 & OHSAS 18001-2007. The quality systems have been verified by QCS which is JAS-ANZ accredited body.





The ARS Mission

ARS is dedicated to ensuring the safety of life and property at sea, and the prevention of pollution of the marine environment.

To achieve this mission ARS will: Focus on delivering the highest quality classification services, by the highest quality personnel, while maintaining its totally independent third party, non-profit status.

Focus on the development of relevant Rules, procedures and guidance, and maintain and develop its commitment to scientific and technological research and development.

Maintain and develop its global operations in line with the needs of clients using its

services. ARS has earned an outstanding reputation for its long-standing dedication to safeguarding life and property at sea and preventing marine pollution through the establishment of universally recognized standards for the design, construction and maintenance of ships and other marine structures.

The principal work of the Society's expert technical staff is to undertake surveys to ensure that the rules which it has developed are applied to new buildings and existing ships to ensure their safety. The rules cover not only hull structures, but also propulsion systems, electrics, electronic systems, safety equipment, cargo handling gear, and various other areas. ARS's surveyors work in shipbuilding and repair yards and at ports across the world, wherever they may be called upon to examine the condition of a ship.

The Team of ARS

The *Spirit of ARS* is defined by the people dedicated to fulfilling our mission of protecting life, property and the environment. Our employees understand that their work has a long ranging impact on the marine industry we serve.

Safety, Service and Solutions are the three goals that define the activities of ARS. They are the bedrock upon which we base our commitment to set standards of excellence as one of the world's leading marine and offshore classification societies.

We have been able to achieve those goals through the innovative thinking, enthusiasm and professionalism of our highly experienced staff. Years of experience, training and continued education have made us confident in our actions and secure in our decisions.

We are inventive problem solvers and visionary innovators who produce results. At the same time, we are a responsible resource for practical solutions.

We believe in teamwork. The best solutions are achieved together with other stakeholders. We work closely with them as a dependable, flexible partner. We are also dedicated to sharing our experience and in looking to the future with our contributions and involvement in the education of future industry leaders.

Our reputation matters to us. Our day-to-day activities are guided by three principles: integrity, good faith and excellence. Integrity comes from consistently behaving according to a set of codified values and ethics. Good faith means that we will always demonstrate respect, sincerity, honesty and impartiality in our dealings. Excellence is fundamental; we strive to raise the standards of the marine, industry while meeting the needs of clients and the public in general.



Ship Classification

ARS Rules

The ARS Rules & Regulations derive from principles of naval architecture, marine engineering IMO conventional requirements, MSC circulars, IACS unified interpretations, in service feedback and research findings. Design and Construction requirements, scope of tests and surveys are defined by the Rules for Ship Classification and Construction.

Classification Surveys are based on a regular five-year cycle including Annual Surveys, an Intermediate Survey and a comprehensive Special Survey including dry docking or underwater inspection in lieu of dry docking twice in a five year period. The society's Rules and Regulations for the Construction and Classification of Ships are systematically developed, continually upgraded through a structure of specialized technical committees. In addition the society has developed Guidance & Instruction Manuals for marine surveys for compliance with classification and various statutory requirements.

Ships designed, built and tested in accordance with the appropriate Class ARS rules are provided with a Certificate of Classification. The Society issues the Certificate of Classification upon completion of relevant plan approval, surveys, tests and trials.

During the ship's commercial operation, Class ARS performs in-service surveys so as to confirm that the condition of the hull, machinery and equipment remains in compliance with the applicable rules at the time of the survey.

Classification surveys are carried out by qualified surveyors using mainly visual inspection and sampling techniques. They do not consist of comprehensive verification or monitoring.

Classification certificates are generally issued for a 5-year period, subject to the satisfactory completion of periodical in-service surveys. The most common periodical classification surveys are the annual, intermediate and class renewal surveys. In accordance with Class ARS Rules, it is owner's responsibility to present the ship for survey within the appropriate dates. Class ARS publishes the ship's classification status showing the due dates of each periodical survey, both on-line through its website Info for owners that subscribe to this service, or by means of quarterly letters.

In addition to the classification rules, ships must comply with a number of international conventions. This compliance is to be primarily ensured by the Flag Administration of the country where the ship is registered.

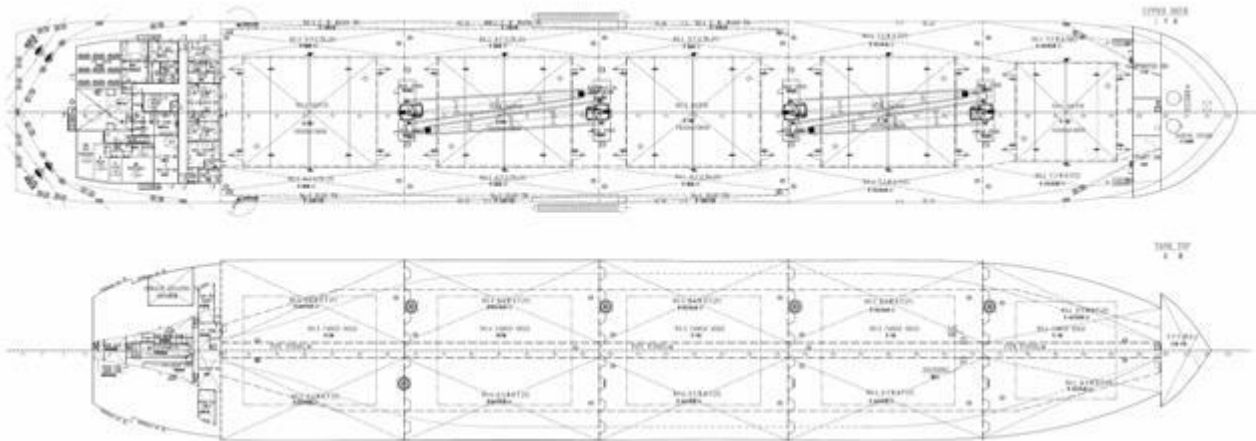
The most important international conventions that apply to ships engaged on international voyages are:

- International Convention for the Safety of Life at Sea (SOLAS)
- International Convention for the Prevention of Maritime Pollution (MARPOL)
- International Convention on Load Lines

The principles of the statutory inspection and survey work are basically the same as in respect of classification surveys, that is the verification by Class ARS exclusive surveyors that a ship is in compliance with applicable requirements at the time of the survey.

Review & Approvals

Class ARS provides a broad range of plan appraisal, engineering reviews and technical calculations related to the ARS Classifications Rules & Regulations, the International Conventions and National Regulations, including:



Compliance Review:

- Review of class plans, drawings and specifications
- Verifications of main ship's plans following modification or repairs

Structural related:

- Design & hull structure strength calculations
- Longitudinal strength calculations
- Local strength calculations
- Fatigue strength calculations
- Scantlings determination
- Equipment Number computation

Stability related:

- Stability & Loading calculations
- Intact and Damage stability
- Grain Loading appraisals
- Assignments of Freeboards & Tonnage measurements

- Load limits assignments for Cargo Handling Appliances
- Inclining Experiments

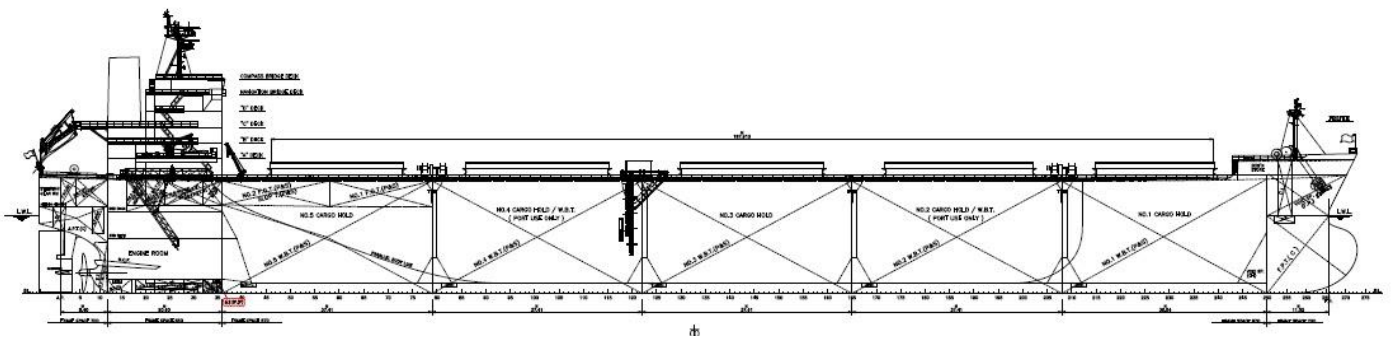
Computations for:

- Towage computation
- Cargo Securing Arrangements

Beyond ship's constructional design and engineering approvals, we also provide review and approval of several marine manuals and statutory related plans including:

- Shipboard Oil Pollution Emergency Plan (SOPEP)
- Shipboard Marine Pollution Emergency Plan (SMEP)
- Ballast Water Management Plan (BWMP)
- Ship-to-Ship Operational Manual (STS)
- Garbage Management Plan (GMP)
- Fire Control & Life Saving Plan
- Fire Safety Operational & Management Plan

Respective Documents of Approval are issued after successful compliance review of each individual plan and/or manual.





Statutory Certification

Ensuring conformity with national and international regulations

Vessels involved in international trade must conform with the international regulations on safety, security and environmental protection contained within various IMO (International Maritime Organization) instruments. The implementation and enforcement of these regulations are under the responsibility of each Flag State which may delegate all or part of its powers to Recognized Organisations (ROs) such as Class ARS. Moreover, as ships become bigger and more complex, only classification societies like Class ARS have the necessary technical skills to inspect and survey them wherever they operate, with a highly competent worldwide network.

What is statutory certification of ships?

Statutory certificates issue by Recognized Organization on behalf of Flag administration in the light of international Convention such as SOLAS, MARPOL, LOAD LINE, ITC 69 etc. Recognized Organization like Class ARS follow the international rules and regulation, verify condition of vessels according to related conventions.

Class ARS issue following statutory certificates on behalf of Flag Administration as per its authorization matrix.

- Cargo Ship Safety Construction Certificate (CSSC)
- Cargo Ship Safety Equipment Certificate (CSSE)
- Cargo Ship Safety Radio Certificate (CSSR)
- International Load Line Certificate (ILL)
- International Tonnage Certificate (ITC 69)
- International Oil Pollution Prevention Certificate (IOPP)
- International Air Pollution Prevention Certificate (IAPP)
- International Sewage Pollution Prevention Certificate (ISSP)
- ISM Code (Document of Compliance (DOC) & Safety Management Certificate (SMC))
- ISPS Code (International Ship Security Certificate (ISSC))
- Crew Accommodation Inspection Certificate (OMCA)
- Fishing Vessel Safety Certificate (FISVEL)
- Safety Certificate for Vessels Under 500 GRT (SAFCE)
- Radio Certificate for Vessels Under 300 GRT (SARCE)
- Authorization for Grain Loading Certificate (GRALO)

- Passenger Vessel Safety Certificate (PASAC)
- Pleasure Vessel Safety Certificate (PLECE)
- International Pollution Prevention Certificate for the Carriage of Noxious Liquid Substances in Bulk (NLS)
- International Certificate of Fitness for Carriage of Dangerous Chemicals in Bulk (IBC)
- Certificate of Fitness for Carriage of Dangerous Chemicals in Bulk (BCH)
- International Certificate of Fitness for Carriage of Liquefied Gases in Bulk (IGC)
- Certificate of Fitness for Carriage of Liquefied Gases in Bulk (GC)
- Antifouling Certificate (AFS)
- Special Purpose Ship Safety Certification (SPS)
- High Speed Craft Safety Certification (HSC)
- International Marine Bulk Cargoes Certificate (IMSBC)
- Certificate for the Carriage of Dangerous Goods (CDG)
- Caribbean Cargo Ship Safety Certificate (CCSSC)
- Maritime Labour Certificate (MLC)

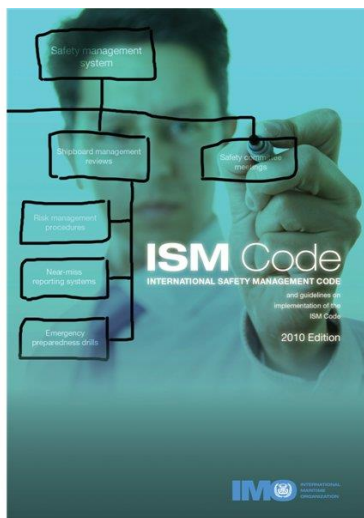




Marine Management Systems

ISM Code

The development of the International safety management code (ISM) by IMO for the safe management and operation of ships and pollution prevention has led ARS to undertake all relevant services for certification of companies and their ships according to the provisions of the above mentioned code including on board and ashore audits.



Every Ship Managing Company needs to develop a Safety Management System and a Safety Management Manual to ensure proper implementation of the Code. This System, is subject to ashore and on board the ships audit, verification and subsequent certification. All people involved as employees of the company or the ship/s, the organization, the policy, the manager, the Designated Person on Aboard, the procedures, the crew etc. are subject to the above mentioned inspections by the Flag Administration. Most Administrations have authorized Organizations to carry out on their behalf the required audits in order to verify and certify the proper functioning of the Safety Management System and its conformity with the provisions of the ISM Code.

Proper and effective implementation of the Code leads inter alia to safeguarding establishment against the safety and pollution risks, improves managing control, establishes confidence between all parties involved in the management and operation of the ships and reduces possible losses arising from marine accidents and pollution incidents. Class ARS has established a worldwide professional network to assist shipowners in ISM Code certification. Specially qualified and properly trained personnel with high quality standards is ready to provide all necessary information, instructions or suggestions upon a relevant request, aiming constantly at safer ships and cleaner seas.

ISPS Code

The new requirements form the international framework through which Governments, ships and port facilities can cooperate to detect and deter acts, which threaten security in the maritime transport sector. In order to determine what security measures are appropriate, Governments must assess the threat and evaluate the risk of a potential unlawful act. The ISPS Code provides a standardized, consistent framework for managing risk and permitting the meaningful exchange and evaluation of information between Contracting Governments, companies, port facilities, and ships. The requirements also include provisions, which establish the right of a State to impose control and compliance measures on ships in or intending to visit its ports. It also provides for Contracting Governments to take further action when relevant requirements are not met or when there are other clear grounds for taking such action. In addition, where a risk of attack has been identified, the coastal State concerned shall advise the ships concerned of the current security level; of any security measures that should be put in place by the ships concerned to protect themselves from attack; and of the security measures that the coastal State has decided to put in place.



❖ Class ARS as an RSO is authorized to:

- Approve Ship Security Plans
- Perform Security audits of ships
- Issue the International Ship Security Certificates (ISSC).

Specially qualified personnel is ready to provide all necessary information, instructions or suggestions upon a relevant request with high quality standards and with the constant main objective for safer ships and cleaner seas.



Maritime Labour Convention (MLC 2006)

The ILO Maritime Labour Convention, 2006 (MLC 2006) was internationally entered into force on 20 August 2013 after the required number of countries ratified the convention on 20 August 2012. For those Member States who had not ratified the Convention by 20 August 2012, the Convention will come into force 12 months after the individual State ratifies the Convention.

The Convention applies to all ships. Every ship of 500 GT or more that is engaged in international voyages or operates from a port or between two ports of another Member State must be certificated in accordance with MLC 2006. Class ARS has already undertaken inspections and issue MLC 2006 certificates as Recognised Organization acting on behalf of Flag Authorities. MLC 2006 Certificate must be attached by a Declaration of Maritime Labour Compliance (DMLC). DMLC Part I is issued from the Administration. DMLC Part II is verified and endorsed from Class ARS on behalf of Flag Authorities.

The ships which are not obliged to be certified, must on the other hand implement MLC 2006 and be in a position to prove proper implementation. Administrations must verify compliance for all the same requirements as a certified ship. The shipowners of these ships are encouraged to either proceed to voluntary certification or apply to Class ARS for a Maritime Labour Compliance Statement issuance.

MLC 2006 (The Regulations and the Code) is organized into general areas under five Titles:

- Title 1. Minimum requirements for seafarers to work on a ship
- Title 2. Conditions of employment
- Title 3. Accommodation, recreational facilities, food and catering
- Title 4. Health protection, medical care, welfare and social security protection
- Title 5. Compliance and enforcement

Each Title contains groups of provisions related to a particular right or principle (or enforcement measure in Title 5), with connected numbering. The first group in Title 1, for example, consists of Regulation 1.1, Standard A1.1 and Guideline B1.1, related to minimum age.

Maritime Consultancy

Our Marine Division staff holds knowledge and extensive experience on the design and modification of ships and other marine related structures. We undertake reviews and approvals in accordance with our Rules and Regulations as well as national and international standards.

We can support and guide you at any stage of your design, modification or survey ensuring the very highest standards of safety, quality and reliability.

In addition we can review and approve statutory manuals and calculation on behalf of various flag Administrations authorizing Class ARS.



Furthermore Class ARS may assist to its client on any other Maritime activities such as flag registration, Flag state Endorsement, Cargo Surveys etc. through by its affiliated company Leadsmar. Please send your inquire to info@leadsmar.com in order to provide you exact solution as soon as possible.



Approval of Service Supplier

Only Class ARS and Recognized Service Providers by IACS member may provide the following inspection services;

- thickness measurement,
- fire systems tests and surveys,
- underwater surveys,
- tests and surveys on the communication equipment

The companies that want to be approved by Class ARS as Service Provider Company operating in the following fields:

- Thickness measurements on ships,
- Fire systems test and survey,
- Underwater survey,
- Ship radio and communication equipment test and survey must apply to Class ARS completing the suitable application form in line with their operating conditions.

Service Provider Company or its holding organization, should be legally recognizable including its subsidiaries, dealers etc. Furthermore, the Service Provider Company is responsible for meeting Class ARS rules and requirements, as well as for satisfaction of the customer or recognition bodies or offices and application of Class ARS rules for the jobs related to Class ARS.

A Company that applies for a certification as Service Provider Company should be free from any commercial, financial or other pressures which would impair its objectivity or influence its or its personnel's decisions.

The Service Provider Company is obliged to honor all business inquiries made to it fairly, not to reject any inquiries without stating a fair reason, carry out them without any unnecessary burdens (either financial or physical etc.), without any distinction.

The Service Provider Company must form, apply and sustain a quality system in accordance with the scope of its activities. In addition to that, for the purpose of securing the quality of service results, all policies, systems, programs, procedures and instructions must be documented. The documentation employed in the quality system must be transmitted to related personnel, and they must be understood, accessible and applicable by such personnel.

- The Service Provider Company (including one person entities) must own a documentation system including,
- The rules and standards etc. employed in the relevant operations,
- Maintenance and calibration of the equipment,
- Training program for operator / technical personnel / inspector,
- Records stating that the system is operated in accordance with procedures,
- Recording and reporting of the information,
- Quality management of the dealers, branches etc., if any,
- Preparation for operations (operational procedure, instructions, forms etc.)
- Operation procedures, complaints, corrective actions, issuing of documentation, control and periodical review



R

Research & Developments

Class ARS has always invested heavily in research and development. It has reached out further, to set up industrial and academic partnerships to share and strengthen knowledge, and ensure that research is focused on delivering technology needed today.

Class ARS research is directed to providing the tools and expertise clients need. Class ARS is well placed to drive industry wide research projects, as it is the classification society is involved in more joint Industry Projects than any other.

Research and Development is at the heart of all Class ARS services. As the largest and strongest group in the world involved in shipping and offshore classification and verification, Class ARS can support major research programmes, and devote staff to transferring the benefits of that research into useful services to shipyards, owners and operators.



The Class ARS always follow the new regulations and amendments on international conventions such as Solas, Marpol, Load Line, ISM/ISPS. Our clients may follow the all updated news and circulars through Class ARS website.

Class ARS Network

ARS provides responsive service to our clients through a global network of exclusive surveyors strategically located on all major ports around the World. ARS's team is ready for 7/24 in order to provide service to our clients on time and all these services under ISO 9001:2008 and OHSAS 18001-2007 Certification. The ARS regional office established in Istanbul, Turkey in order to provide fast and easy service for Black Sea and Mediterranean Sea regions. Furthermore ARS Exclusive surveyors available most of Mediterranean and Black Sea countries.

Change to Class ARS

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