Bureau Veritas can provide strong support in complying with specific statutory regulations such as the European Agreement on the International Carriage of Dangerous Goods by Inland Waterways for dry, liquid or gaseous products (ADN).

We may provide support to flag state authorities to help with the implementation of national regulations.

**CERTIFICATION OF MATERIALS & EQUIPMENT**

Materials and equipment used for vessel construction and maintenance must conform to the rules and applicable regulations. This includes, for instance, welding consumables, propulsion engine components, electrical devices, and fire safety equipment. Risk NWW sets out the classification requirements in an easy-to-use format, with regard to the type of equipment for the relevant type of vessel and construction class.

**NEW BUILDINGS**

BV’s VeriSTAR Project Management (PMP) web-based program facilitates the management of drawing reviews and related tasks during the construction and classification process. PMP can be accessed by owners, managers, shipyards, consultants and manufacturers, depending on the function, various profiles and information can be provided for specific roles.

**SHIP STATUS FOR OWNERS**

Classification and statutory status of vessels classed with Bureau Veritas is available at any time to shipowners at https://marine-offshore.bureauveritas.com.

**DIGITAL POWER**

Industries are evolving rapidly with new digital tools improving efficiency. Bureau Veritas has made significant investments in order to support clients in this industry-wide transformation.

**CONTACT DETAILS FOR INLAND VESSEL MANAGEMENT**

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**STAY INFORMED WITH BUREAU VERITAS**

For regular inland navigation newsletters you will be kept updated on technical developments, regulations, BV solutions, etc. for inland shipping clients. Here provide a clear summary of updates to statutory regulations.

**ADVANCED DIGITAL SOLUTIONS**

Access to our digital solutions and services is possible through our Veristar Info Ship Data. This provides useful information such as results of surveys carried out, validity of class, one-year survey planner, planned inspection terms, regulatory information and BV contacts. Subscription to Veristar Info / access to ships / become a member.

**APPLICATIONS**

- More documented reporting of the identified condition.
- More robust assessment.
- More qualified parameters for reporting on the condition and extent of any identified damage. Quality standards are set in order to identify easily the condition, reliability and maintenance standards of the vessel or sub-system under assessment.
- More documented reporting of the identified condition.

**CONDITION ASSESSMENT PROGRAMME**

“CAP Inland” is a service provided by Bureau Veritas as a supplement – and designed to be complementary – to class. It may be requested at any period of the vessel’s life in order to determine the condition of the vessel in terms of class rules. This service is a very useful tool for all marine industry interests, applicable to classed vessels or to vessels not certified at all. It facilitates:

- More inspection or for assessing hull structure and onboard machinery
- More qualified parameters for reporting on the condition and extent of any identified damage. Quality standards are set in order to identify easily the condition, reliability and maintenance standards of the vessel or sub-system under assessment.
- More documented reporting of the identified condition.

**BUREAU VERITAS**

Inland Vessels Class and Classification Services

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*INLAND NAVIGATION

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**INLAND NAVIGATION SERVICES**

- Classification services: for vessels not classed with Bureau Veritas
- STATUTORY CERTIFICATION

Bureau Veritas is recognized by many administrations as an official certification body (Recognized Organization) to carry out inspections with regard to international and national regulations on safety and environmental emissions in vessels.

**INTERNATIONAL SAFETY MANAGEMENT SERVICES (ISM)**

The ISM Code was created to improve safety and prevention of pollution at sea. Bureau Veritas has over 185 qualified lead auditors worldwide, performing ISM audits and issuing the corresponding certificates. Certification may be offered for inland navigation vessels on a voluntary basis.

**INTERNATIONAL SHIP AND PORT FACILITY SECURITY (ISPS)**

The ISPS Code aims to establish an international framework for detecting and assessing security threats affecting ships or port facilities used in trade. Around 190 Flag State authorities have given Bureau Veritas Recognized Security Organization (RSO) status. Similar certification may be offered for inland navigation vessels on a voluntary basis.

**CERTIFICATION OF MATERIALS & EQUIPMENT**

Bureau Veritas can conduct surveys relating to individual product manufacturing, design requirements specified by the relevant technical documentation. Bureau Veritas can verify that materials and equipment comply with the product standards (ADN).

Type approval is an approval process attesting to compliance with the Rules and product standards (ADN). Goods by Inland Waterways for dry, liquid or gaseous products (ADN).

Access to our digital solutions and services is possible through our Veristar Info Ship Data. This provides useful information such as results of surveys carried out, validity of class, one-year survey planner, planned inspection terms, regulatory information and BV contacts. Subscription to Veristar Info / access to ships / become a member.
underwriters, charterers, etc.) should have one objective in common – the safe operation.” Matthieu De Tugny, Executive Vice President, Bureau Veritas Marine & Offshore.

Through our research programmes, the proactive development of new rules and guidelines and our cutting-edge digital tools, we help designers, yards, equipment manufacturers, contractors, shipowners, oil majors and administrations around the world.

‘Bureau Veritas Marine & Offshore works throughout the world to help our clients’ business performance through our research programmes, the proactive development of new rules and guidelines and our cutting-edge digital tools. In doing so, we help our clients speed up processes, reduce costs through the asset lifecycle and optimize operations.”

Matthew De Tugny, Executive Vice President, Bureau Veritas Marine & Offshore.

Our relationships are built on service, transparency and trust. We work alongside our clients, providing the advice and expertise they need and sharing our knowledge through training and technology.

We work closely with the entire marine and offshore community – designers, yards, equipment manufacturers, contractors, shipowners, oil majors and administrations around the world.

Bureau Veritas Marine & Offshore is one of the world’s leading classification societies and inspection bodies, and a founding member of IACS (International Association of Classification Societies). Ship safety remains central to our mission.

BV is one of the world’s leading classification societies and inspection bodies, and a founding member of IACS (International Association of Classification Societies). Classification defines the framework of the approval by means of precise notations describing the operational conditions of the vessel, notably type classification rules, usually in drydock.

Class Rules, including guidance notes and other rule notes, constitute the technical reference for all classification activities. Their development requires dedicated R&D activities to be carried out as part of internal or co-operative research.

Our rules for classification of inland navigation vessels (RIP 217) apply to a wide range of vessels operating on waterways, lakes, estuaries, and restricted marine areas.

Classification covers the hull, superstructure, appendages and outfitting (such as rudder stock and propeller shaft brackets) and statutory also usually includes machinery and electrical installations, the requirements for which are also based on consistent principles embracing materials, construction, scantlings, (e.g. propeller shaft, propeller, rudder arm), engines, and pumps. It also includes trials and trials, together with the equipment related to the safety and reliability of the whole installation.

Each parameter, when not strictly controlled, may jeopardize the others. Only a classification certificate can cover all the requirements and provide sufficient guarantees regarding reliability.

BV’s Rules for inland navigation vessels include notation IN(x), covering maximum significant wave heights up to 2 m. While the term ‘waterways’ usually suggests very limited water depths, higher waves and swells are encountered in estuaries or maritime areas, involving much higher swells as well as the risk of shipping water, flooding, increased stability and crew exposure. There may also be a greater need to ensure self-return to port, with a corresponding requirement for improved lifeboats, fire protection, navigational equipment, and better qualified crews.

The optional notation “Taxiway” plus implements technical requirements adapted to operation in restricted maritime areas. In addition to static load, the dynamic effects must be considered, as well as lateral wind pressure and arrangements for hull openings, fireproof, weather deck, stability, etc.

INDUSTRY LEADER IN ALTERNATIVE PROPULSION

Bureau Veritas offers expertise in LNG propulsion as well as all types of electric and hybrid solutions, with relevant additional class notations.

STATIONARY UNITS

Bureau Veritas has published two sets of rules to cover stationary units that are propelled or equipped for propulsion, associated with facilities such as restaurants, hotels, business centres, shopping malls, cinemas, and swimming pools.

- Equipment units capable of providing electricity to a cargo loading/unloading, passenger embarkation/ disembarkation, floating bridge and miscellaneous product storage.

VESSELS IN SERVICE – SURVEY SCHEDULE

BV classification activities and their extension to consultancy services provide a framework for safe vessel operation and condition maintenance by requiring continuous compliance with rules and regulations. By focusing inspections on those structural areas or items that are most prone to failure or degradation, by properly considering previous inspection results and relevant inspection data, by clearly stating acceptance criteria in quantitative terms, by applying condition monitoring techniques, where appropriate, for hull structure as well as for other vessel items, and by using vessel history reports.

Classification surveys are conducted during the lifecyle of a vessel for improved reliability and safety. These inspections are compulsory for the maintenance of classification and may differ depending on the type and age of the vessel and also on areas of operation. The detailed scope of each survey is defined in our Inland Navigation Rules NR217.

CLASSIFICATION CERTIFICATES FOR EXISTING VESSELS

Even if an existing vessel has not been built originally under classification rules, it may be subject to assessment and inspection for the purposes of classification after construction (CAC). As a rule, a preliminary survey is carried out to assess the vessel’s general condition and to inspect the available documentation (certificates, reports, etc.). A complete survey can then be performed in line with BV class Rules, usually in drydock.

Classification after construction follows the same general procedure as that for vessel owners, but it may take less time for classification in certain types in line with particular circumstances and the history of the vessel, adopting appropriate flexibility to allow for immediate operational requirements.

The classification rules are available for download in pdf files from the Bureau Veritas Website.

They are also online at enesertar.com