BRAZIL BRIEF:

Practical Considerations for Regulatory Compliance in Brazil for Offshore Floating Production Installations
Developing an offshore production installation is a complex task with multiple aspects to consider in order to meet production targets and operational requirements while meeting safety goals. One of the important components is regulatory compliance. While international standards, codes and regulations are widely used as the basis of design, the local regulatory agencies at the country of operation often present additional requirements that must be met by operators.

Floating production installations operating in Brazilian Jurisdictional Waters must comply with a series of requirements that are specific and set forth by multiple agencies rather than unified in one set of regulations, as illustrated in Figure 1 below. This makes regulatory compliance for Floating Production Storage and Offloading (FPSOs) units and Floating Production Units (FPUs) operating in Brazil a unique challenge. Since regulatory authorities do not delegate verification of compliance to third parties (with a few exceptions), it is the responsibility of production installation owners, operators and providers to obtain the necessary approvals to operate. To help offshore operators in Brazil navigate these regulations, ABS provides detailed guidance for floating production units operating in Brazil.
The ABS BRZ and BRZ+ notations provide shipyards, construction yards, designers, owners and operators with a design and construction-focused approach to help achieve compliance with domestic regulations for FPSOs and FPUs operating in Brazilian Jurisdictional Waters. The guidance includes a comprehensive process that verifies the implementation of physical regulatory requirements covered by each notation.

Applicable to the offshore installation and its station keeping, the requirements are implemented during design, construction, integration, commissioning and installation of the units.

The BRZ notation covers basic physical requirements to be implemented in the design and construction stages of the floating facility project.

The BRZ+ notation expands the coverage of requirements and includes a significant larger coverage of regulations from different agencies to better assist clients in the project development phase.

NR, NORMAM, ABNT, CONAMA

Plus ANVISA, ANP, IBAMA, DECEA
REGULATORY REQUIREMENTS

The ABS BRZ and BRZ+ Notations address regulations from the following agencies:

**DPC – BRAZILIAN MARITIME AUTHORITY**

The Brazilian Maritime Administration DPC (Diretoria de Portos e Costas) is a branch of the Brazilian Navy and is responsible for maritime safety. DPC issues the standards applicable to maritime activity in Brazil Jurisdictional Waters - the NORMAM series of standards (Normas da Autoridade Marítima). As an example, the NORMAM 01 contains requirements for ships and platforms, including all types of production units. It describes the international codes and regulations required for these units, including but not limited to MODU Code (Code for the Construction and Equipment of Mobile Offshore Drilling Units), SOLAS (International Convention for the Safety of Life at Sea), MARPOL (International Convention for the Prevention of Pollution from Ships). In addition, these standards refer to requirements issued by other Brazilian entities and Classification Societies rules.

**ENIT – LABOR INSPECTION**

The labor inspection awareness organization ENIT (Escola Nacional da Inspeção do Trabalho) is an organization in charge of maintaining and developing awareness of the labor requirements contained in the regulations. These requirements are published in the NR series of standards (Normas Regulamentadoras) which focus on safety and quality of life at work. The most relevant NR applicable to offshore production units is the NR-37 Health and Safety in Oil Platforms. Additional important documents are the NR-13, which requires certification of the majority of pressure vessels on board an offshore unit, and the NR-10, with requirements for certification of electrical systems on board.

**ANP – OIL AND GAS AGENCY**

The oil, gas and biofuels regulatory agency ANP (Agência Nacional do Petróleo, Gás Natural e Biocombustíveis) implements the national policy for the sector and regulates activities related to exploration, development and production of the country’s reserves, as well as refining and distribution of related products. The regulatory activity also includes inspection to confirm compliance with the established regulations.

As Brazilian regulations do not establish order of precedence, all regulations are equally applicable. Other regulatory agencies with the same level of importance and precedence covered by ABS notations are:

- **ANVISA** – Health Regulatory Agency – Agência Nacional de Vigilância Sanitária
- **CONAMA** – National Environmental Council – Conselho Nacional do Meio Ambiente
- **IBAMA** – National Environmental Institute – Instituto Brasileiro do Meio Ambiente
- **DECEA** – Air Space Control Department – Departamento de Controle do Espaço Aéreo
- **ABNT** – Brazilian Standards Association – Associação Brasileira de Normas Técnicas
With the largest fleet of classed floating production installations in Brazil, ABS has the knowledge and experience to support clients in achieving regulatory compliance in Brazil. Upon project commencement with the ABS BRZ notations, clients will receive the ABS Practical Considerations for Regulatory Compliance in Brazil, the most comprehensive guidance and with simplified translation of the application of the regulatory requirements included in the BRZ notations, all in the English language.

The document is presented in a format that allows sorting and filtering by area of application, by discipline, by agency or by regulation, for easy reference by designers, shipyards and owners. The following items are provided in the document:

- Discipline
- System
- Regulatory Agency
- Regulatory Document
- Regulation Requirement
- Practical Considerations Guidance

The guidance is presented in a simplified format that facilitates understanding and implementation of the requirement.

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**SAMPLE EXCERPT**

Our comprehensive document includes expert translations, full search and sort functionality, and easy access to practical considerations for BRZ and BRZ+ notations.

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**PRACTICAL APPLICATION GUIDANCE**

- Fully searchable with convenient sorting features
- 700+ line items covering the entirety of each notation
- Easy to understand translations written by engineers for engineers
ADDITIONAL RESOURCES

For more information on ABS expertise with floating production units, please visit www.eagle.org/BrazilFPSOs.

Here you can:
• Get the latest updates about ABS expertise in Brazil
• Download white papers on FPSO thought leadership
• Read industry articles on key issues for offshore production
• Access on-demand webinars addressing floating production units
• Review our latest Rules and Guides for floating production installations

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