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Risk Based Designs (RBD)

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The shipping industry is going through a period of rapid technological change, and the rate of change is accelerating. This change is making it impossible for traditional prescriptive class and statutory requirements to keep pace with engineering advances. LR have developed a new ShipRight Procedure Risk Based Designs which is intended to provide a consistent and transparent process to assist both clients and surveyors when working on projects for which prescriptive rules does not exist or where these rules are not in themselves suitable and sufficient.

This process is not intended to replace traditional rules, but rather to manage the process of implementing technology. This will allow Class societies and other bodies of the industry to achieve the knowledge/experience necessary for the development of prescriptive rules. Whilst the final objective is to develop prescriptive rules for emerging technologies a process to manage deviations and the application of risk based principles will be needed even after such prescriptive rules are published. Paper will provide background on why the RBD process has been developed along with its basic principles. Typical field of applicability is any innovative field as for instance Low flash fuel systems (LNG, methanol, hydrogen, etc) and IGF code.

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