

Ship insubmersibility

1. Structural means for subdivision of ship support

- 1.1. The purpose and content of the structural means for conservation of the ship subdivision
- 1.2. Giving a vessel of sufficient reserve buoyancy, stability and strength
- 1.3. Subdivision of ship into watertight compartments: the effect of subdivision on the ship insubmersibility; buoyancy changes in case of compartments flooding; change of the vessel's stability in case of compartments flooding; change list and trim of the vessel in case of compartments flooding; general principles of the division into compartments of the vessel to ensure insubmersibility
- 1.4. Ensuring strength sufficient for insubmersibility and tightness of the bulkhead deck platforms
- 1.5. The influence of the structural support for insuring of ship insubmersibility
- 1.6. Structural and technological support of operations for the conservation and improvement of the ship insubmersibility: structural factors of insubmersibility; use of ship systems for the conservation and improvement of insubmersibility; instruments used for the conservation and improvement of insubmersibility

2. Organizational and technical insuring of insubmersibility

- 2.1. The total content of the organizational and technical operations for the conservation and improvement of insubmersibility
- 2.2. Organizational and technical measures for proper operation of the intact vessel for the conservation her insubmersibility: inspection of reserve buoyancy and stability in the operation of the vessel; control of water resistance and strength of the hull
- 2.3. Training of the crew of and improvement of technical devices to conduct operations for the conservation and improvement of insubmersibility

3. Operations on the conservation and restoration ship insubmersibility

- 3.1. Objectives and general principles of operation for the conservation and improvement ship insubmersibility
- 3.2. The dependence of the methods and the objectives of the damaged vessel straightening on her technical condition: cross-straightening; criteria of damaged vessel insubmersibility for the cross-straightening; longitudinal straightening of damaged vessel; the peculiarities of submarines straightening
- 3.3. Effectiveness of stability improvement and straightening of the damaged vessel: The recommended general sequence of operations; efficiency of separate operations on stability improvement and cross-straightening of the damaged vessel; appropriate limits of the damaged vessel buoyancy reduce
- 3.4. General characteristics of the methods of stability improvement and straightening of the damaged vessel: classification of straightening methods; computational and graphical methods of calculation and making of stability improvement and straightening; straightening of the damaged vessel through the use of ready-made solutions
- 3.5. Ship speed maneuvering and heading for the preservation of ship insubmersibility
- 3.6. Ship boarding aground, as a way of escape for severe injuries