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# Qualitative Grouping of Causes

- SA<sup>2</sup> (Situation Assessment and Situational Awareness)
  - Knowledge, skills, and abilities, and improper task commission / task omission
- Management Group
  - Fatigue, communications, BRM, procedures, manning levels
- Risk Group
  - Risk tolerance/risk taking, navigation vigilance, complacency, task omission (deliberate), lookout failures
- Non-Human Error Group
  - Uncharted hazard to navigation, material failure, unknown cause