

DANGEROUS SITUATIONS IN ADVERSE WEATHER & SEA CONDITIONS



1. Dangerous phenomena in following and quartering seas :
 - Surf-riding and broaching-to
 - Reduction of intact stability when riding a wave crest amidships
 - Parametric roll motions
 - Sailing with the group velocity of waves
 - Combination of various dangerous phenomena
2. Dangerous phenomena in head and bow seas :
 - Damage from slamming and shipping of water
 - Parametric roll motions
3. Dangerous phenomena in beam seas :
 - Synchronous rolling motion
 - Capsizing in a steep or breaking wave
4. Severe wind and rolling criterion (weather criterion)
5. IMO – Revised guidance to the master for avoiding dangerous situations in adverse weather and sea conditions

