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