

Matrix for **SEAWAY & OPERATION** oriented design at CSBC (sample only)

	ECONOMY & EFFICIECNCY	SAFETY & RELIABILITY	ECOLOGY & ENVIRONMENT
ENERGY SAVING	Reduction of air resistance		
SEA KEEPING AND THE DYNAMIC EFFECTS	Min. speed loss in wave		
MANOEUVERING DESIGN AND		Low speed manoeuvrability in port	
STRENGTH AND STRUCTURE		Min. bow flare impact in wave	
EQUIPMENT & SYSTEM DESIGN			
OPERATION ASPECTS	Voyage planning and optimization	Anti- pirate design	
OTHERS			Minimum ballast design

 BASIC RESEARCH REQUIRED
  TECHNOLOGY DEVELOPMENT REQUIRED
  REDAY FOR APPLICATION