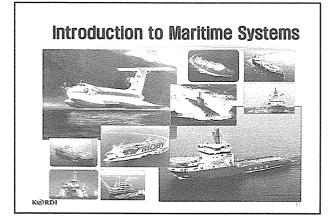


## Limitations of RBA Problem Definition Scope of the Analysis Generic model Identification of hazards and risk analysis Analysis of data: ambiguous, insufficient, not proactive, ... Use of accident data vs. modeling Risk control options and cost benefit analysis Interaction of RCDs Clarity on defining RCDs Risk acceptance criteria Presentation of the results Management Issues .....

## Safety Assessment in Maritime Systems Engineering Introduction to Maritime Systems SA Framework for Maritime Systems

KORDI



## **SA Framework for Maritime Systems**

"A structured process and methodologies for establishing the GBS for the new type of ships, based on:

Systems Engineering principles Risk-based methodology Modeling and Simulation Tools

K©RDI

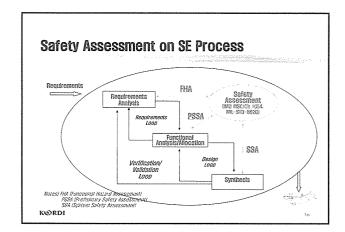
SE Process

Rocaecolingut

Requirements
Loop

Functional
Analysis &
Control

Functional
Analy



## Purpose of the process To establish the Safety Objectives Methodologies: 1) Identification of all craft and system functions; 2) Identification and description of fallure conditions associated with these functions; 3) Determination of the effects of the fallure condition; 4) Classification of fallure condition effects; 5) Assignment of safety objectives/probability requirements; and 6) Identification of means of compliance

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		Eumerional busand analysis workshees				Sheetn Issue : Date :
System: Subsystem: Navigation Control System			Function: Collision avoiding			
Hen	Failure condition	Mission	Failuse effects	( taxolfication	Objectives	Remai
1	Loss of control	amphibian	collision w/ light damage	marginal	10"	
2		planning	collision w/damage	eritical	105	
3		ernising	collision w/structural damage and fatalities	catastrophic	10-5	
4		take-off	total loss & fatalities	catastrophic	10.5	
5						1
		1	1		1	1

