

How to define **REQUIREMENTS**



for High Speed Craft

James Wilton

The mantra of High Speed Craft today is:

FURTHER, FASTER, HARDER

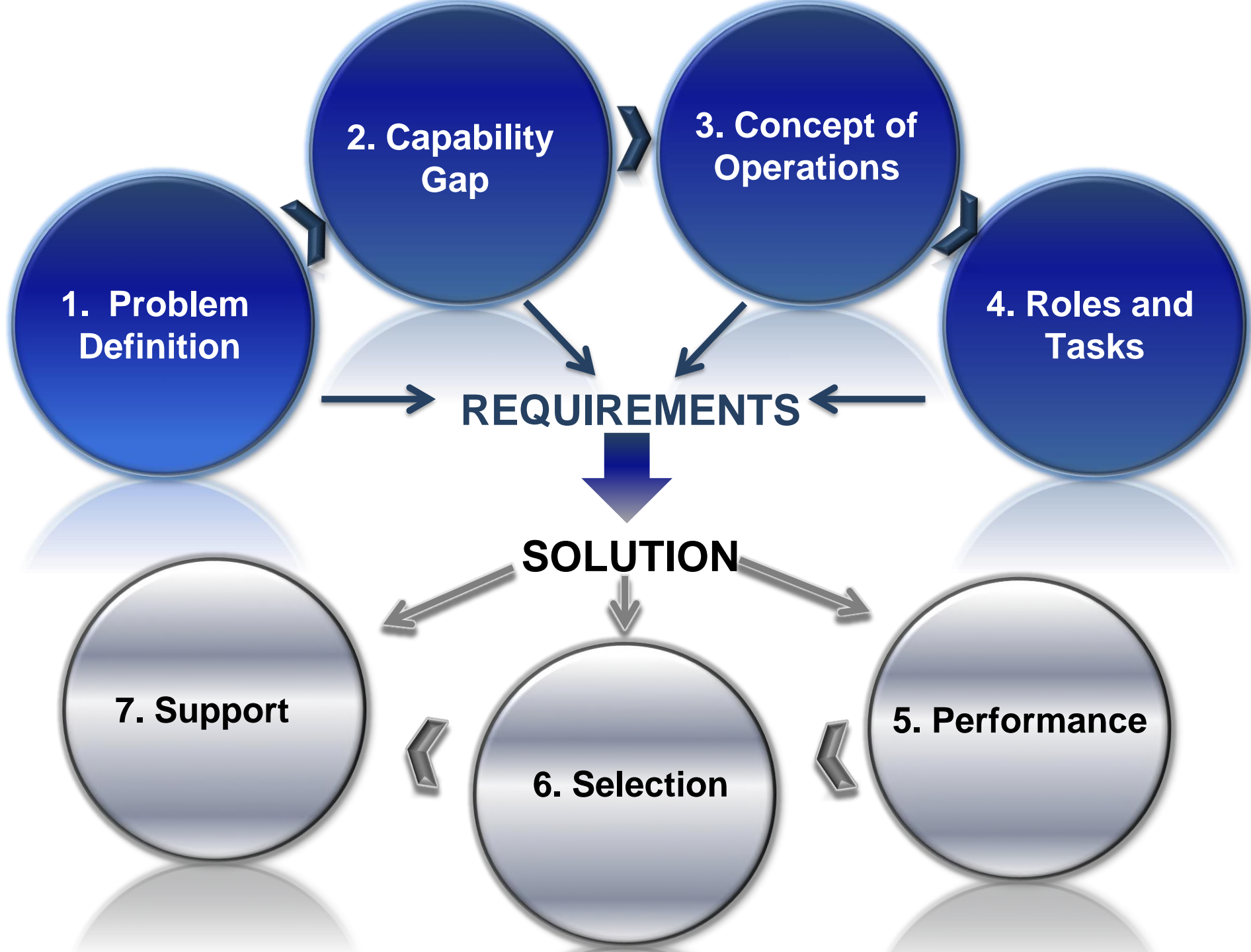
Therefore...we need to clearly ***articulate*** the detailed requirements of the craft.



Operational Requirements Document

Defines what it needs to do within its

Operating Environment



①

Define the PROBLEM

② Identify the **CAPABILITY GAP**



Mismatch between what we need to be able to do and what we can currently do

3

Develop a

CONCEPT of **OPERATIONS**



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Dutch **D**efence **P**ress
photo and press agency

4

Describe the boats

ROLES and TASKS



Now to developing the



SOLUTION

5

Define the

PERFORMANCE PARAMETERS

- Hull and Structure
- Shock Mitigation
- Weapon Systems

- Navigation System
- Communications
- Human Interface systems



“Design the boat around the people”





6

Conduct an effective **SELECTION** Process

- Operational Requirement Document
- Effective tender process
- Engage with industry

- Two way Communication
- Tender selection
- Conduct well planned trials

7

Develop a Fleet Through Life **SUPPORT** Plan



- Maintenance and Servicing
- Support equipment
- Training

- Transportation
- Facilities
- Force Structure

THANK YOU!



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Backup slides

FUTURE TRENDS

and considerations



1. Multi role boats

2. Remote weapon systems

3. Networked unmanned system

4. Complex communications

COMMUNICATIONS are becoming more **COMPLEX**

