# Surveyors & Inspectors - Knowledge, Skills & Attributes



## Competence

Education, training, competencies; knowledge; understanding; aptitude; Skill; proficiency

#### Experience

Currency; leadership; professional judgement; technical skills

**Safety awareness** 

Setting a good

example

#### **Communication**

Clarity of thought; ability to produce concise written reports; body language; interview techniques; language differences

# **Skills**

Continuous professional development

Updating of skills

#### **Technical**

Reliability and availability; system performance; instrumentation; monitoring; automation; manmachine interface; work place conditions

#### Experience

seagoing experience at senior level

#### Habitability MLC 2006

**Industry** standards

ISO; IEC; Best Practice

Guides

Resolutions; Flag State regulations; Class rules

'Knowledge of the sea';

Conventions, resolutions, rules and regulations

IMO, ILO, WHO Conventions &

## **Context of use**

Goals, users, tasks; physical, social, managerial environments

## **Human element**

Relevance in design, build and operations; benefits of addressing the human element; regulatory expectations; Context of Use analysis for design evaluation of human element issues:

#### Integrity

Moral soundness; honesty; freedom from corrupting influences; unprejudiced

#### **Human** element

Ability to recognise human element

**Attributes** 

**Professionalism** 

Professional standards

## Transparency

Openness, accountability

#### Communication

Clear and effective

#### **Interview techniques**

Asking the right questions; open, closed and leading questions, how to keep people on-side; recognize and deal with defensive/ aggressive responses; keeping focussed; getting the correct data/cooperation

#### **Physical Capability**

Strength, stamina, stress, fatigue, pain/ discomfort, hunger, thirst, temperature extremes, vibration, movement constriction, lack of physical exercise, disruption of circadian rhythm

**Psychological Capability** 

Perception, interpretation, decision-making, information load, narrowness of task,

frequency & repetitiveness, task criticality,

long/short-term memory; calculation

requirements, feedback (knowledge of

results, team structure &

communication

#### **Human-system** interface

Human-human: human-machine: human-computer; usability

#### **Cultural Differences**

Religion; national tradition; dress; language

## Continuous professional development Updating of knowledge

Knowledge

#### Safety awareness

Onboard occupational health and safety hazards

#### **Self-actualisation**

Pride; sense of purpose; identity; aesthetics; conviction: trust: expectation; realisation; belonging; loyalty; esteem; fellowship; security

Communication; direction; teamwork; empowerment; character building: leadership: interoperability; adaptability

Motivation

#### **Temperament**

Respectful, polite, firm, courteous, calm, patient

#### **Attitude**

Self-awareness; selfmotivation; mental ability; intelligence; personality; character; sensitivity

### **Physical State**

Personal health & hygiene, fitness, balanced

**Impartiality** 

Independent, unbiased,

consistent, informed

decision making

Pride; sense of purpose; identity; aesthetics; conviction; trust; expectation; realisation; belonging; loyalty; esteem; fellowship; security

**Self-actualisation** 

#### Photo: Maritime and Coastguard Agency