
Human Factors

Level 1 - Basic knowledge of and ability to give a simple description using examples to illustrate significance and limitations.

Level 2 - General knowledge of and ability to give a succinct description using examples to illustrate significance and limitations.

TSHuman.1 General

The need to take human factors into account;
Incidents attributable to human factors / human error;
"Murphy's" law.

TSHuman.3 Human Performance and Limitations

Vision;
Hearing;
Information processing;
Attention and perception;
Memory;
Claustrophobia and physical access.

TSHuman.5 Social Psychology

Responsibility: individual and group;
Motivation and de-motivation;
Peer pressure;
'Culture' issues;
Team working;
Management, supervision and leadership.

TSHuman.7 Factors Affecting Performance

Fitness / health;
Stress: domestic and work related;
Time pressure and deadlines;
Workload: overload and underload;
Sleep and fatigue, shiftwork;
Alcohol, medication, drug abuse.

TSHuman.9 Physical Environment

Noise and fumes;
Illumination;
Climate and temperature;
Motion and vibration;
Working environment.

TSHuman.11 Tasks

Physical work;
Repetitive tasks;
Visual inspection;
Complex systems.

TSHuman.13 Communication

Within and between teams;
Work logging and recording;
Keeping up to date, currency;
Dissemination of information.

TSHuman.15 Human Error

Error models and theories;
Types of error in maintenance tasks;
Implications of errors (i.e accidents)
Avoiding and managing errors.

TSHuman.17 Hazards in the Workplace

Recognising and avoiding hazards;
Dealing with emergencies.