

Defining Requirements and Specifying Training Systems: Human Factors in Defence

Human factors is the study of how people interact with systems. It is a multidisciplinary field that draws on psychology, engineering, and other disciplines to understand how people can best use technology. In the defence sector, human factors is essential for ensuring that systems are designed and used in a way that meets the needs of the user.

This book provides a comprehensive overview of the human factors involved in defining requirements and specifying training systems for defence applications. It covers topics such as:

- Task analysis
- Cognitive engineering
- Human-computer interaction
- Training evaluation

The book is written by a team of experts in the field of human factors in defence. It is a valuable resource for anyone who is involved in the design, development, or evaluation of training systems for defence applications.



Team and Collective Training Needs Analysis: Defining Requirements and Specifying Training Systems (Human Factors in Defence)

★★★★★ 5 out of 5

Language : English

File size : 24109 KB

Text-to-Speech : Enabled
Screen Reader : Supported
Enhanced typesetting : Enabled
Print length : 519 pages



The first chapter of the book introduces the concept of task analysis. Task analysis is the process of breaking down a task into its component parts. This information can then be used to design training systems that are tailored to the specific needs of the user.

The chapter covers the different types of task analysis, as well as the methods used to conduct task analysis. It also discusses the importance of task analysis for understanding the human factors involved in system design.

The second chapter of the book introduces the concept of cognitive engineering. Cognitive engineering is the process of designing systems that take into account the cognitive abilities and limitations of the user.

The chapter covers the different types of cognitive engineering, as well as the methods used to apply cognitive engineering to system design. It also discusses the importance of cognitive engineering for ensuring that systems are easy to use and understand.

The third chapter of the book introduces the concept of human-computer interaction (HCI). HCI is the study of how people interact with computers.

The chapter covers the different types of HCI, as well as the methods used to design HCI systems. It also discusses the importance of HCI for ensuring that systems are user-friendly and efficient.

The fourth chapter of the book introduces the concept of training evaluation. Training evaluation is the process of assessing the effectiveness of a training system.

The chapter covers the different types of training evaluation, as well as the methods used to conduct training evaluation. It also discusses the importance of training evaluation for ensuring that training systems are meeting the needs of the user.

This book provides a comprehensive overview of the human factors involved in defining requirements and specifying training systems for defence applications. It is a valuable resource for anyone who is involved in the design, development, or evaluation of training systems for defence applications.

Image Alt Attributes

- **Figure 1:** A diagram of the task analysis process.
- **Figure 2:** A diagram of the cognitive engineering process.
- **Figure 3:** A diagram of the human-computer interaction process.
- **Figure 4:** A diagram of the training evaluation process.

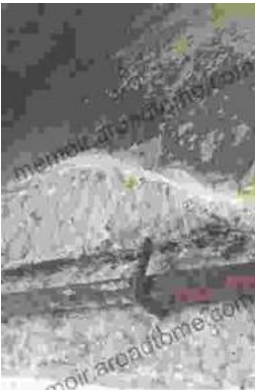
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