

Title	FABIG Technical Note 9: Human Factors Guide for the Protection of Onshore Plants and Offshore Structures against Fires and Explosions
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Scope	<p>Introduction</p> <p>This Technical Note has been prepared as a “simple to use” guide to assist the awareness and implementation of the Human Factors in the design and operation of oil and gas facilities both onshore and offshore.</p> <p>Human Factors have been treated as a broad subject within this guide. The subject has been considered to cover all issues governing the way that individuals and teams may work, the influences defining their environment, (in terms of culture, knowledge as well as the physical environment). This includes how individuals and teams respond, learn and adapt to these imposed environments; the way in which their organisations plan and prepare for the tasks and activities to be carried out and the physical environment in which those tasks are done.</p> <p>This guide has been developed with the range of FABIG members in mind as potential users and endeavours to relate Human Factors issues to normal project or asset activities and documents. It suggests different Human Factors requirements in relation to their application or to a demonstration to stakeholder and other discipline activities, and where appropriate tries to list the influence both on and off the life-cycle phase of a development.</p> <p>The technical note provides advice to potential users on ways to facilitate the inclusion of Human Factors in planning their activities.</p> <p>The technical note has compiled public domain information to help demonstrate the benefits in moving from a compliance culture to understanding the needs and the context of the “end-user”.</p> <p>The technical note also provides reference sources to enable an assessment of the typical costs associated with Human Factors issues, to assist those making a case for Human Factors activities. Some summary illustrations are included.</p> <p>A brief description of the Human Factors tools and methods available to the potential users is provided. Selected project or development activities and deliverables are used to demonstrate how Human Factors may be used and where they would be reported.</p> <p>The document comprises a brief review of emerging approaches available to the practitioner and provides sources of further information and a glossary.</p> <p>Objectives</p> <p>This Technical Note supports FABIG members by:</p> <ul style="list-style-type: none"> • Providing a summary of the reasons for and benefits of carrying out Human Factors studies • Providing a quick reference source for key guides and standards that are available in the public domain • Providing guidance on the tools and methodologies used in Human Factors studies and how they might be incorporated into design and operations • Providing preliminary guidance on how to determine which of the Human Factors tools is the most appropriate to use under different circumstances • Describing the role of Human Factors studies within risk

	management and in enhancing of operability in the onshore and offshore process industries.
Table of Contents	<p>FOREWORD v</p> <p>GLOSSARY OF HUMAN FACTORS TERMS vii</p> <p>1. INTRODUCTION 1</p> <p>2. OBJECTIVE 3</p> <p>3. BENEFITS FROM THE APPLICATION AND IMPLEMENTATION OF HUMAN FACTORS 5</p> <p> 3.1 General issues 5</p> <p> 3.1.1 Introduction 5</p> <p> 3.1.2 Compliance with standards and expectations 5</p> <p> 3.1.3 Benefits to safety & health 5</p> <p> 3.1.4 Benefits to operability 5</p> <p> 3.2 Cost-Benefit Analysis 6</p> <p>4. APPLICATION OF HUMAN FACTORS STUDIES 7</p> <p>5. TOOLS AND METHODOLOGIES 11</p> <p> 5.1 Currently available tools and methodologies 11</p> <p> 5.1.1 Allocation of Function 12</p> <p> 5.1.2 Hierarchical Task Analysis (HTA) 12</p> <p> 5.1.3 Human Error Analysis (HEA) 14</p> <p> 5.1.4 Human Reliability Analysis 15</p> <p> 5.1.5 Link Analysis 16</p> <p> 5.1.6 Distributed Cognition 17</p> <p> 5.2 Developing approaches 17</p> <p> 5.3 Integration of Human Factors tools and methodologies 18</p> <p> 5.4 Further Sources of Information 18</p> <p>Appendix A APPLICATION AND EFFECTS OF HUMAN FACTORS ON DEVELOPMENT STAKEHOLDERS THROUGHOUT THE PROJECT LIFECYCLE 20</p> <p>Appendix B ADDITIONAL HUMAN FACTOR RELATED GUIDEWORDED TO BE USED IN HAZOP/HAZID TYPE REVIEWS ... 45</p> <p>Appendix C HUMAN FACTOR BENEFITS AND EXAMPLE MEASURES 54</p> <p>Appendix D BIBLIOGRAPHY OF REFERENCES AND STANDARDS 62</p>