Guidelines for Initiating Events and Independent Protection Layers in Layer of Protection Analysis

Description: The book is a guide for Layers of Protection Analysis (LOPA) practitioners. It explains the onion skin model and in particular, how it relates to the use of LOPA and the need for non-safety instrumented independent protection layers. It provides specific guidance on Independent Protection Layers (IPLs) that are not Safety Instrumented Systems (SIS). Using the LOPA methodology, companies typically take credit for risk reductions accomplished through non-SIS alternatives; i.e. administrative procedures, equipment design, etc. It addresses issues such as how to ensure the effectiveness and maintain reliability for administrative controls or inherently safer, passive concepts.

This book will address how the fields of Human Reliability Analysis, Fault Tree Analysis, Inherent Safety, Audits and Assessments, Maintenance, and Emergency Response relate to LOPA and SIS.

The book will separate IPLs into categories such as the following:

- Inherent Safety
  - eliminates a scenario or fundamentally reduces a hazard
- Preventive/Proactive
  - prevents initiating event from occurring such as enhanced maintenance
- Preventive/Active
  - stops chain of events after initiating event occurs but before an incident has occurred such as high level in a tank shutting off the pump.
- Mitigation (active or passive)
  - minimizes impact once an incident has occurred such as closing block valves once LEL is detected in the dike (active) or the dike preventing contamination of groundwater (passive).

Contents: List of Data Tables xi

Acronyms and Abbreviations xv

Glossary xix

Acknowledgments xxv

Preface xxix

Introduction 1

1.1 Audience 2

1.2 Scope 3

1.3 Key Changes Since the Initial LOPA Concept Book 4

1.4 Recap of LOPA 6

1.5 Disclaimer 10

1.6 Linkage to Other CCPS Publications 11

1.7 Annotated Description of Chapters 13
Fax Order Form
To place an order via fax simply print this form, fill in the information below and fax the completed form to 646-607-1907 (from USA) or +353-1-481-1716 (from Rest of World). If you have any questions please visit http://www.researchandmarkets.com/contact/

Order Information
Please verify that the product information is correct.

Product Name: Guidelines for Initiating Events and Independent Protection Layers in Layer of Protection Analysis
Web Address: http://www.researchandmarkets.com/reports/2170755/
Office Code: SCDKYP7Z

Product Format
Please select the product format and quantity you require:

| Quantity | Hard Copy (Hard Back): USD 108 + USD 29 Shipping/Handling |

* Shipping/Handling is only charged once per order.

Contact Information
Please enter all the information below in BLOCK CAPITALS

Title: Mr [ ] Mrs [ ] Dr [ ] Miss [ ] Ms [ ] Prof [ ]
First Name: _______________________
Last Name: _______________________
Email Address: * _______________________
Job Title: _______________________
Organisation: _______________________
Address: _______________________
City: _______________________
Postal / Zip Code: _______________________
Country: _______________________
Phone Number: _______________________
Fax Number: _______________________

* Please refrain from using free email accounts when ordering (e.g. Yahoo, Hotmail, AOL)
Payment Information

Please indicate the payment method you would like to use by selecting the appropriate box.

☐ Pay by credit card: You will receive an email with a link to a secure webpage to enter your credit card details.

☐ Pay by check: Please post the check, accompanied by this form, to:
Research and Markets,
Guinness Center,
Taylors Lane,
Dublin 8,
Ireland.

☐ Pay by wire transfer: Please transfer funds to:
Account number 833 130 83
Sort code 98-53-30
Swift code ULSBIE2D
IBAN number IE78ULSB98533083313083
Bank Address Ulster Bank,
27-35 Main Street,
Blackrock,
Co. Dublin,
Ireland.

If you have a Marketing Code please enter it below:

Marketing Code: ____________________________

Please note that by ordering from Research and Markets you are agreeing to our Terms and Conditions at http://www.researchandmarkets.com/info/terms.asp

Please fax this form to:
(646) 607-1907 or (646) 964-6609 - From USA
+353-1-481-1716 or +353-1-653-1571 - From Rest of World