

Layer of Protection Analysis (LOPA) for Risk-Based Evaluation of Scenarios

Guideline for risk-based assessments

✓ About

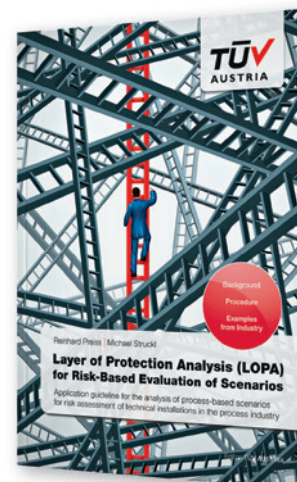
LOPA is a widely used methodology for risk-based assessments of process related scenarios in the process industries. Since a standardization of how to use the method is vital to end up with consistent and robust results, an Austrian working group with participants from authorities, industry and risk experts established this guideline. It should help the user in the application of LOPA also by means of eight worked examples coming from industrial practice.

✓ Content

- Preface
- Scope and Range of Application
- Risk Acceptance and Tolerance Limit Values
- The LOPA Method – an Overview
- Technical Initiating Events
- Human Failure
- Enabling Events
- Layers of Protection
- Conditional Modifiers
- Examples

✓ Target Group

- Risk Managers
- Engineers
- Technicians
- Plant Manufacturers
- Product Managers
- Process Managers
- Environmental Managers
- Quality Managers
- Legal & Compliance Managers





✓ The editors

Reinhard Preiss was heading the Process Safety Division in TÜV AUSTRIA for 7 years, now he is responsible for international business development within TÜV AUSTRIA group.

Michael Struckl is heading the Industrial Technology Division at the Austrian Federal Ministry for Economics.



✓ Product information

Layer of Protection Analysis (LOPA) for Risk-Based Evaluation of Scenarios

1st Edition 2014

Format: 16 × 22,5 cm, 80 pages, softcover

ISBN: 978-3-901942-49-5

Price: € 33.52 (plus VAT and shipping costs)

✓ Information and contact

TÜV AUSTRIA Fachverlag, TÜV AUSTRIA AKADEMIE GMBH,

2345 Brunn am Gebirge, TÜV AUSTRIA-Platz 1

+43 (0)5 0454-8177

verlag@tuv.at · www.tuv-akademie.at/fachverlag

Order now: verlag@tuv.at · www.tuv-akademie.at

Layer of Protection Analysis (LOPA) for Risk-Based Evaluation of Scenarios

Yes, we would like to order

..... copies of **Layer of Protection Analysis (LOPA)**

for Risk-Based Evaluation of Scenarios at € 33.52 each (plus VAT and shipping costs)

..... licences for the e-book **Layer of Protection Analysis (LOPA)**

for Risk-Based Evaluation of Scenarios at € 33.52 each (plus VAT)

Company	
Shipping address (street, number, post code, city)	
Billing address (if different from the shipping address)	
I want to be billed: <input type="checkbox"/> per e-mail to the following adress: <input type="checkbox"/> per mail	
Title	First name
Last name	
Position	Order Nr.
Phone	Date, signature
Personal E-Mail	

General Terms and Conditions: The General Terms and Conditions of Business as specified at www.tuv-academy.at/TaC apply. The prices for publications of TÜV AUSTRIA AKADEMIE GMBH are indicated in euro, and are subject to VAT and shipping costs. The invoice amount is payable within two weeks after receipt of the invoice. Until such time as payment is received in full, the product(s) delivered shall remain the property of TÜV AUSTRIA AKADEMIE GMBH.

Privacy. Your order details are used for the purpose of order processing and customer service. For details, please refer to www.tuv-academy.at/datenschutzerklaerung.

Data protection information according to Article 13 of the GDPR: TÜV AUSTRIA AKADEMIE GMBH uses your data for the processing of booked services and purchased products. The processing of this data is a necessary prerequisite for the completion of contract. Furthermore, your data is used for direct marketing purposes (communication sent via post and email as well as event invitations) on the basis of a legitimate interest. Please familiarise yourself with the full data protection declaration. You will find this at www.tuv-academy.at/privacystatement. If you do not agree to the use of your personal data being used for direct marketing purposes, please inform us of these by post at TÜV AUSTRIA AKADEMIE GMBH, TÜV AUSTRIA-Platz 1, 2345 Brunn am Gebirge, Austria or by email at akademie@tuv.at. Misprints and errors excepted.