

# Training Curriculum in Process Safety (PS-02)

A Training Curriculum is a knowledge development path recommended by the Industrial HSE in order to ensure the homogeneity of in-house competencies in Health, Safety & Environment throughout the Solvay Group.

A list of the available Training Curricula in other HSE domains, as well as HSE transversal knowledge is available [HERE](#).



## Who should follow this training curriculum?

- Any HSE Manager:
  - ★ in Sites (incl. Site Mgrs.)
  - ★ at corporate level (incl. HSE liaisons with Sites)
- Production Managers



## Key / Essential knowledge (mandatory)



**SOLVAY PROCESS SAFETY Procedures & Guidelines :**



Process Safety Management Procedure [IND-HSE-PS-03-PRO](#) : [Onboarding](#) + [related Guidelines](#)

(+ Formal Procedure [IND-HSE-PTS-03](#) in place for the Low Seveso Sites until the above PS-03 is fully implemented (Q4 2021))



Risk Analysis in Process Safety Procedure [IND-HSE-PS-10-PRO](#) + [related Guidelines](#)



**COUNTRY** specific:



Regulations about PS (legal compliance)



**Mandatory training** in PS



**SITE** main procedures:



Management system



Risk assessment



Management of change



Maintenance program



IT tools (e.g. action tracking, MOC)



**HSE TRANSVERSAL TOPICS:** [Key/Essential knowledge \(mandatory\)](#) (K/E; lower half of the table; columns related to Domain Expert /Specialist)



**REPORTING OF PROCESS SAFETY INCIDENTS** : see above [HSE TRANSVERSAL TOPICS](#)



## Other useful Information



### [Process Safety Trainings \(Ind. Academy\)](#)

We recommend to watch the following elearning modules:

| Ref.    | Title  | Time min. | Ref.    | Title                                      | Time min. |
|---------|--|-----------|---------|--|-----------|
| PS-30.2 | Why Process Safety                                 | 6         | PS-37.4 | Introduction to classified explosive zones | 23        |
| PS-32.1 | Introduction to combustion                         | 6         | PS-37.5 | Do's and don'ts in explosive zones         | 18        |
| PS-33.1 | Introduction to gas explosions                     | 28        | PS-37.6 | Reduction of risk of fires and explosions  | 28        |
| PS-34.1 | Introduction to physical explosions and implosions | 16        | PS-43.3 | Writing and assessing a hazard scenario    | 21        |
| PS-35.2 | Introduction to dust explosions                    | 21        | PS-43.4 | Drawing up a Risk Sheet                    | 25        |
| PS-36.1 | Introduction to condensed explosions               | 16        | PS-43.5 | Completing a Risk Sheet                    | 30        |



### [Process Safety IHS Pages](#)



### [Solvay's Process Safety Guidelines](#)



### [PS lesson learned bulletins](#)



### [Process Safety Risk 1 Sheet \(restricted access\) + presentation](#)



### [Process safety Expertise Forums](#)



### [Process Safety Management \(PSM\) forum \(Ggroup\)](#)



**SAFETY and Other HSE TRANSVERSAL TOPICS: [Useful Information \(suggested\)](#) (see "UI" in the lower half of the table; column Domain Expert/Specialist)**



Info

Questions or comments: please contact [Jean-Luc Revel](#)