



MONITORING OF PROCESS SAFETY PERFORMANCE

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Prepared by Safety Advisory Council, AHG-S.2 Process Safety

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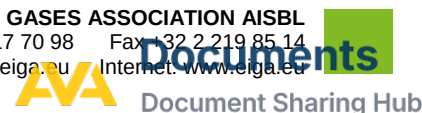
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1 Introduction

This publication is EIGA's first guidance on how to measure Process Safety (PS) performance. It is intended to help EIGA members to identify issues in PS and support them in improving their performance and assuring the integrity of their operations. It can also provide guidance for EIGA members in case of requests from authorities.

Process and plant safety performance can be evaluated through the use of key performance indicators (KPIs) that enable companies to identify trends and to take rapid corrective action if needed. Whilst the use of KPIs is common at individual company level, their application across industry is restricted because they are not harmonised in a universally shared management model for process safety. Reference: CEFIC booklet *Guidance for reporting on the ICC globally harmonized process safety metric* [1]¹

2 Scope and purpose

2.1 Scope

This publication refers to EIGA Doc 186 *Process Safety Management Framework – Guidance Document* and EIGA Doc 60, *Seveso Documents - Guidance on Applicability, Assessment and Legal Documents for Demonstrating Compliance of Industrial Gases Facilities with Seveso Directive(s)* [2,3].

This publication covers the selection, collection and validation of data. Multiple indicators are needed to monitor the different dimensions of process safety.

2.2 Purpose

The guidance in this publication is intended to contribute to developing process safety metrics, such that the number and the severity of process safety incidents can be reduced.

3 Definitions

For the purpose of this publication, the following definitions apply:

3.1 Publications terminology

3.1.1 Shall

Indicates that the procedure is mandatory. It is used wherever the criterion for conformance to specific recommendations allows no deviation.

3.1.2 Should

Indicates that a procedure is recommended.

3.1.3 May and need not

Indicates that the procedure is optional.

3.1.4 Will

Is used only to indicate the future, not a degree of requirement.

¹ References are shown by bracketed numbers and are listed in order of appearance in the reference section.