## Process monitoring - Alarm signal and warning indication. Directives for design

**Guidance information**

[Information within brackets in this document refers to local regulations]

This standard contains instructions for the design of process monitoring by means of alarm signals and warning indication.

[*Alarm arrangement* for Soda Recovery, *see Bulletin no. B14 of the Soda Recovery Unit Committee, "Recommendations regarding process monitoring and alarm signals.*]

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**Introduction**

The directives provide general guidelines for the configuration and design of monitoring systems in industrial process plants. SSG 5260E and 5262E supplement these directives.

Design in accordance with these directives is primarily intended for VDU (Visual Display Unit) presentation and is intended to be of assistance in the configuration of plants with a carefully thought-out strategy aimed at early detection of disruptions and abnormalities for e.g.:

— set value, deviation from regulations and output quantity

— calculated variables (e.g. chemical consumption per tonne of pulp)

— deviation from process optimisation

— gradient alarm (process change per unit time).

A good configuration increases the operator's safety and shall be of support to the operator when he has to intervene in upcoming situations.

A clear presentation shall always be striven for.

A list of process quantities which are to be equipped with alarm signals is provided by the respective factory department process manager.