SSG

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Process image construction - General principles

General/Field of application

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

This version primarily differs from the previous one in its layout. The references from this document to standards and instructions have been checked for continued relevance.

These guidelines have been prepared for man-machine communications in supervising, controlling and regulating processes in the paper and pulp industry. This limitation is necessary if conflicts with other display device usage are to be avoided.

The guidelines are limited to the monitoring aspect and do not cover aspects included in the concepts of configuration, parametering, diagnosis, programming and maintenance.

Contents

1   Introduction

Various control systems, based on display devices for presenting large quantities of informa tion on one or more display devices, are installed in industrial plants.
The technology involving display devices provides facilities for numerous forms of presentation for monitoring and supervising processes.

Efficient and uniform man-process communications, which permit undesirable operating states to be presented and corrected rapidly, constitute an important factor in optimising process control. These conditions can only be achieved if the presentation is **ergonomically** adapted to human characteristics and if the information is presented **consistently** and simply so that any errors which occur can be minimised.

The document presents the basic principles for various types of presentation forms. The basic principles presented here are also intended to apply to new systems in the future.

Notethat the colour recommendations in this document have been chosen based on the shade of grey which is generally chosen as an image background colour. New technology in the future will provide further opportunities of improving the information forms.