Introduction

CENTUM CS 3000 is an integrated production control system used to manage and control the operation of plants in a wide variety of industries:

petroleum refineries, petrochemical, chemical, pharmaceutical, food and beverages, paper and pulp, steel and non-ferrous metals, cement, power, gas, water and wastewater.

ProSafe-RS can be used as safety instrumented system for these plants.

Structure of This Manual

This manual provides a simple overview of the CENTUM CS 3000 system. After reading this manual, see the other documents, such as General Specifications, Instruction Manuals, and so forth, for more detailed coverage of various topics. This manual consists of 16 chapters. The first introduces Yokogawa's "Enterprise Technology Solutions" concept, CENTUM CS 3000 System Concepts, Yokogawa solutions, and related software packages. Chapters 2 through 16 introduce CENTUM CS 3000 System Configuration, Operation and Monitoring Functions, Control Functions, Subsystem Communication Functions, Engineering Functions, ProSafe-RS Safety Instrumented System, Advanced Control Functions, Batch Management Functions, Plant Resource Manager, FDA:21 CFR Part 11 Compliant Function, Online Manual, Sequence of Events Manager Function, and CENTUM CS 3000 related software packages. There's an index at the back of the manual.

Target Readership for This Manual

This manual is mainly intended for:

- Managers who are planning to purchase a new control system.

- Instrumentation, Power and Computer Engineers who are evaluating CENTUM CS 3000 and ProSafe-RS for purchase or who will be in charge of installation.

Representation of Panels in This Manual

- Panels are represented in this manual as illustrations; some features may be emphasized, and some simplified or omitted.

- The panel illustrations are to help you understand the functions; dimensions, labels and visible features may differ slightly from those of actual panels.

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