



Applying S88: Batch Control from a User's Perspective

By Jim Parshall, Larry Lamb

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The release of batch control standard ANSI/ISA S88.01-1995, Batch Control Part 1: Models and Terminology, has led to revolutionary advances in the way factories design, implement, and integrate flexible, modular processes into the enterprise. Now for the first time, here's a book that cuts through the opaque language and arcane symbols of the standard, and explains it in clear, user-friendly language. Applying S88 covers all aspects of the ANSI/ISA S88.01 Standard. Written from a user's perspective, Parshall and Lamb discuss their implementation of S88, offering a wealth of examples and explanations to make it applicable across a wide range of batch industries. From designing better processes to combining recipes with equipment control to execution validation test plans, this book offers both an introduction to S88 as well as expert insights into applying it. Parshall and Lamb's clear, lighthearted style makes this the ideal introduction to S88 for control engineers, project engineers, technicians, operators, information technology professionals, engineering or IT supervisors, and mid- to upper-level managers. Contents: Basic Concepts Are You Ready to Go Yet? Starting (What You Hope Will Be) A Successful Project The Physical Model Recipes, Part 1: Procedures Recipes, Part 2: All the Other Stuff Linking Recipes to Equipment Other Important Batch Control Items Batch Activities and Information Management System Specification and Design Specifying and Designing Equipment Phases Writing Phase Logic Starting Your System Right - The First Time Finis.

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Editorial Review

Review

"Jim and Larry breathe life into the technical details of S88.01, and the result is both entertaining and informative." -- *Michael Saucier, Chairman and Founder, Sequencia Corp.*

From the Inside Flap

Making S88 as Easy as...Ice Cream

When Jim Parshall and Larry Lamb got the job of implementing a more flexible batch control system at a well-known ice cream producer, they soon focused on the ISA S88.01 standard. *Applying S88: Batch Control from a User's Perspective* offers a practical, step-by-step look at what they learned along the way. It provides a clear, hands-on guide to understanding, justifying, and implementing the S88 concept, applicable to a wide range of process industries.

About the Author

JIM PARSHALL is a Senior Process Automation Engineer at Eli Lilly and Co. He is currently assigned to the Indianapolis Dry Products site, which serves as a development center for new tablet and capsule products and provides the manufacturing capacity for worldwide distribution. After coordinating the development of an automation and information technology strategy for the site, Jim is now planning strategic automation and information integration projects. He leads the corporate team responsible for overseeing a global supplier alliance with Rockwell Automation and is a member of the company's global process automation strategy team.

Before joining Eli Lilly, Jim worked as an automation engineer at Ben & Jerry's Homemade in St. Albans, Vt. He led the design and delivery of process control systems during the exciting startup of the company's newest and largest plant. As part of his process control and supervisory system responsibilities, Jim led the successful installation of an S88-aware batch control and management system.

He received his BSEE from Kettering University (formerly General Motors Institute), and received his MSEE with an emphasis in manufacturing from Purdue University. Jim is an active participant in the World Batch Forum, and he is a member of the ISA SP95 standard committee on enterprise-control system integration.

LARRY LAMB is the Software Manager at Oakes Electric, a Rockwell Automation distributor in New England and New York. He is responsible for leading the business and technical aspects of providing technology-based solutions to customers.

Before joining Oakes, Larry was a controls engineer at Ben & Jerry's Homemade in St. Albans, Vt. His expertise drove the design of the control architecture at the new plant in St. Albans, and Larry was responsible for writing the process control and operator interface code for the plant production area.

Larry received his BSEE from the University of Massachusetts in Amherst.

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Peggy Hardman:

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