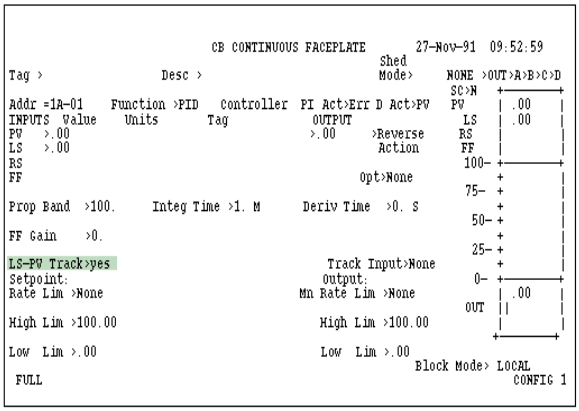
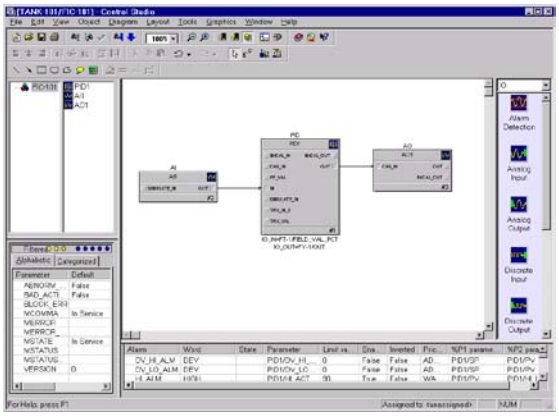
RS3™ to DeltaV™ Control Configuration Transition Service



RS3™ ControlBlock (before)



DeltaV™ Module (after)

- Improves control—takes full advantage of the latest DeltaV™ technology
- Establishes a plant control standard and library of control templates, tailored for your plant and available for reuse
- Employs the services of expert engineers experienced with both RS3™ and DeltaV equipment
- Dramatically reduces the time, effort, and risk of configuration conversion
- Maximizes the return on your existing control system configuration investment

Introduction

The configuration transition service is your best choice when migrating from RS3™ to DeltaV™ controllers. The service takes full advantage of new control and configuration capabilities that come with the DeltaV system. The service dramatically reduces control configuration time, effort, and risk and delivers the optimum process automation solution.

The Emerson Process Management team works with your process and control personnel to develop a control standard that takes advantage of the new automation technology and matches your plant operating procedures and philosophies. Using this standard, we develop a control template library. Then, we translate your existing RS3 elements into the DeltaV configuration per your newly created plant control standard.

The Transition Service provides a complete DeltaV configuration that is ready for checkout and use at the plant. For easy maintenance, the configuration is 100% compatible with DeltaV Control Studio and DeltaV Explorer. .

Improves control—takes full advantage of DeltaV technology. The transition service takes advantage of the very latest in process automation technologies. You can advance your plant's capabilities by applying tools such as self-tuning, neural networks and fuzzy logic to address difficult control problems.

Establishes a plant control standard and library of control templates, tailored for your plant and available for reuse. The transition service delivers a

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standard set of control conventions for your plant. This control standard ensures ongoing consistency as expansions and enhancements are incorporated into the system.

Assigns expert engineering staff who are experienced in RS3 and DeltaV equipment. Emerson Process Management is staffed by engineers who know RS3 and DeltaV equipment extremely well and who use that expertise to convert your configuration quickly and accurately.

Dramatically reduces the time, effort and risk of configuration conversion. Using the transition service means your automation configuration will be converted completely, with no additional editing required. This keeps your staff's valuable attention focused on more critical plant priorities.

Maximizes the return on the automation system configuration investment. This service enables you to make the most of the knowledge and experience contained in the RS3 control configuration for the DeltaV implementation.

Service Description

The Transition Service for configuration transition includes the following:

- **Expert project management** using certified and proven ISO-9000 methodology.
- **A project kick-off** and development of the control standard, provided before the project commences.
- **Development of a control configuration standard** documents and describes the inputs, control actions, and outputs associated with typical control situations in your plant. Examples are desired status of ON/OFF valves, headers, simple loops, and cascade loops during particular process conditions.
- **Development of a control module template library** using elements from our existing libraries and implementing the control standard described above in control modules that can easily be reused.
- **Transition** of RS3 I/O definition, blocks, control logic, RBL script, and ABC batch to DeltaV configuration.

Options

To enhance your transition project, the following services should be considered:

- **Site Services.** Once the configuration conversion is complete, a logical next step is to check out the control configuration at the plant, ensuring that the data links are accurate and that the control logic implementation meets the plant's needs. Emerson Process Management sales/service offices can supply engineers to assist with or lead this effort. This offering is priced on a time and materials basis.
- **Custom Control Configuration Library Development.** . To streamline future expansion and to facilitate easy documentation and maintenance, Emerson can develop custom libraries for your process strategies.
- **Alarm Management.** The Emerson team can work with your people to develop alarm-and-events-handling protocols. This service provides a valuable reference for standard operating procedures and thorough documentation of your initial DeltaV alarm implementation. After system commissioning, consider Emerson's SureService® Alarm Management Services that provide periodic analysis and reports of alarm performance.
- **Simulation Services.** Simulation gives you valuable feedback for verification of your control configuration in the absence of DeltaV controllers and I/O. Emerson engineers can help you thoroughly check the new DeltaV configuration, with or without DeltaV controllers and I/O.
- **Operator Training.** Emerson Process Management provides comprehensive training for your entire staff, including engineering, safety, maintenance and operations personnel. Emerson's training formats—eLearning, traditional classroom, onsite and dynamic simulation-based training—apply hands-on and learn-by-doing approaches to ensure that you achieve your training goals.

Contact your local Emerson Process Management office for details about these options.

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Summary

By having Emerson Process Management transition your configuration, you keep your own staff's valuable attention focused on site priorities. The Transition Service expertly configures your new controllers, minimizes control conversion risks, and maximizes engineering efficiency. The resulting DeltaV modules preserve the engineering of your RS3 configuration and enable you to take advantage of the very latest in process automation technology with your DeltaV controllers.

Specifications

RS3 to DeltaV Configuration Transition Service Specifications	
Inputs	1. Customer discussions and meetings, as well as existing plant standards and conventions concerning control methodologies 2. Up-to-date MTCC database and control algorithms "BACKUP" tape
Output	DeltaV import files (.fhx format) on CD-ROM media
Output file format	DeltaV version v7.x and later

Ordering Information

Description	Model Number
RS3-to-DeltaV Control Configuration Transition Service for ControlFiles	Contact your local Emerson Process Management office

Prerequisites

- Request a services proposal from the Emerson Process Management sales/services organization.
- Provide an up-to-date RS3 MTCC System configuration "BACKUP" on ¼ inch tape. Note: A boot tape is not acceptable.
- Attend training on DeltaV configuration. This training will give provide you the skills and knowledge to complete any future editing processes.

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