

PROVOX™ to DeltaV™ Control Configuration Transition Service

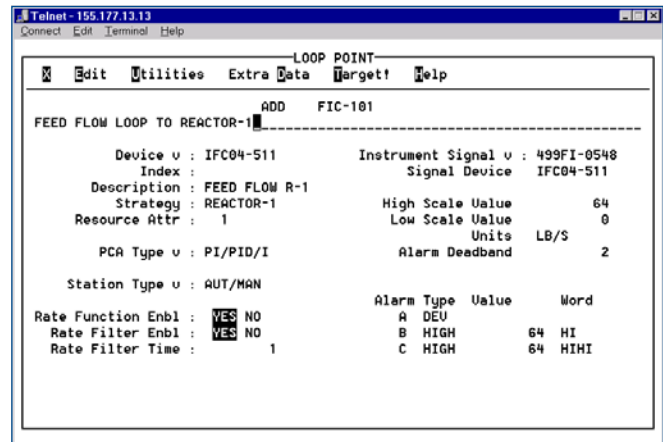
- Improves control—takes full advantage of the latest DeltaV™ automation technology
- Establishes a plant control standard and library of control templates, tailored for your plant and available for reuse
- Employs the services of expert engineers experienced with both PROVOX and DeltaV equipment
- Dramatically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

Introduction

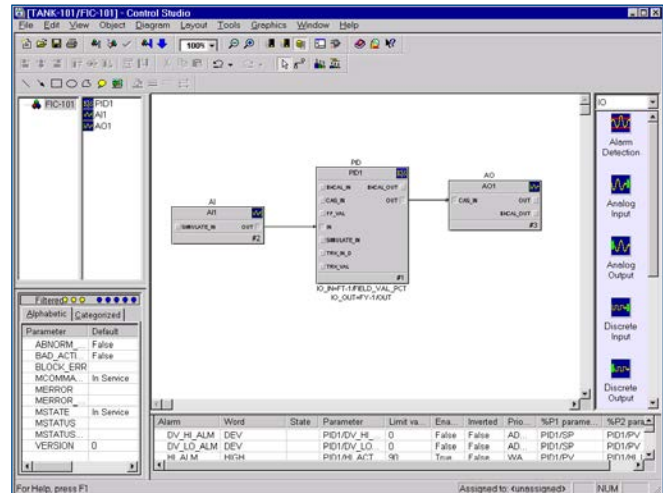
The configuration transition service is your best choice when migrating from PROVOX to DeltaV controllers. The service takes full advantage of new control and configuration capabilities of the DeltaV system. The service dramatically reduces control configuration time, effort and risk, and it delivers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

The Emerson 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 PROVOX elements into the DeltaV configuration per your newly created plant automation 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.



PROVOX™ Loop Point (before)



DeltaV™ Module (after)

Improves control—takes full advantage of DeltaV automation technology. The Transition Service takes advantage of the very latest in process automation technologies. Your plant can acquire new, advanced capabilities by applying tools such as self-tuning, neural networks, and fuzzy logic to address difficult situations.

Establishes a plant control standard and library of control templates tailored for your plant and available for reuse. The Transition Service delivers a standard set of control conventions for your plant. This control standard ensures ongoing consistency as expansions and enhancements are incorporated into the system.

Employs the services of expert engineering staff experienced in both PROVOX and DeltaV equipment. Emerson is staffed by engineers who know both PROVOX 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 control configuration will be converted completely, with no additional editing required. This keeps your capable people 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 PROVOX 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 before the project commences.
- **Development of a control configuration standard** documents and describes the inputs, control actions and outputs associated with typical automation 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 aforementioned control standard in control modules that can easily be reused.
- **Transition** of PROVOX I/O definition, points, control logic, and batch to DeltaV configuration.

Limitations

Site services are not included in this service offering. (See the Options section below.)

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. This step ensures that the data links are accurate and that the control logic implementation meets the plant's needs. Emerson 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 automation strategies.
- **Alarm Management.** The Emerson team can work with your staff to develop alarm and event handling protocols, creating a valuable reference for standard operating procedures and thorough documentation of your initial DeltaV alarm implementation. After system commissioning, consider Emerson's Alarm Maintenance and Operations Service for periodic analysis and reports of alarm performance.
- **Simulation Services.** Simulation gives you valuable feedback for verifying 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 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 office for details about these options.

Summary

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

Specifications

PROVOX to DeltaV Configuration Transition Service Specifications	
Inputs	<ol style="list-style-type: none"> 1. Customer discussions and meetings, as well as existing plant standards and conventions concerning control methodologies. 2. Existing ENVOX™ database (.pdx format)
Output	DeltaV import files (.fhx format) on CD-ROM media
Output File Format	DeltaV v7.x and later

Order Information

Description	Model Number
PROVOX-to-DeltaV Control Configuration Transition Service for Controllers	Contact your local Emerson office

Prerequisites

- Request a services proposal from the Emerson Sales/Services organization.
- Provide the latest ENVOX system configuration (pdx) on CD-ROM.
- Attend training on DeltaV configuration. This training will give you the skills and knowledge to complete any future editing processes.

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