

# PARADIGM SOLUTIONS

## PARTNERSHIP (ECP) SELECTIVITY AND TARGETING

### CASE STUDY

**Client:** DEPARTMENT OF HOMELAND SECURITY (DHS)

### Requirement

Assist in the design and development of a Selectivity & Targeting system, a complete modernized risk management and targeting solution for DHS. The application receives data feeds from multiple sources and provides an analytical framework to enhance selectivity and targeting of imported goods into and out of the United States.

### Approach

- ▶ Designed and developed an information-sharing platform for trade data throughout Government agencies
- ▶ Utilized the following technology tools: JAVA (J2EE and Swing), ILOG JRules, Websphere Application Server, Oracle databases, and Apache Struts
- ▶ Leveraged and integrated state-of-the-art business rules engine during design and development
- ▶ Transitioned from a transaction-based operation to account-based processing
- ▶ Centralize disparate selectivity and targeting criteria from many legacy targeting systems
- ▶ Developed Automated Commercial Environment (ACE), a Secure Data Portal offers account-based processing
- ▶ Tailored DHS's System Development Lifecycle Development methodology by utilizing a collaborative Rapid Application Development (C-RAD) methods
- ▶ Provided a customized Web page with a single on-line access point to DHS systems, including ACS, Border Release Advanced Screening and Selectivity (BRASS), the Pre-arrival Processing System (PAPS), Customs Automated Forms Entry System (CAFES), Automated Targeting System (ATS), Free and Secure Trade (FAST), Treasury Enforcement Communication System (TECS), and the National Crime Information Center (NCIC)

### Result

The business value of Selectivity & Targeting includes: removing constraints imposed by multiple disparate targeting systems, consolidating targeting criteria into a single system, and improving electronic screen capabilities. The application will nationally manage import activities, reduce reporting burden, and reduce operational costs for import and export industry members.

### About Paradigm Solutions

Today's technological environment contains products covering an infinite spectrum of functions, size, features, and price. There is a compelling need to bring together products and services to provide a comprehensive solution so that Federal IT organizations can achieve productivity improvements, cost efficiencies, and user satisfaction.

Paradigm Solutions provides specialized support and solutions that offer integration and professional services for collaboration management, imaging, workflow, document management, and data management technology to information systems architectures.

We offer utility and productivity gains while protecting investments in existing technology and user productivity, and we focus on studying and responding to user needs.

Our solution engineers analyze, design, and implement strategies to meet client requirements, perfecting the capabilities of a wide range of technologies and components, and identifying the important benefits and cost savings that can be realized by immediately implementing our technology.

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