

# SpecBuilder

---

Create, test and publish transaction specifications and maps

## Data Exchange is Mission Critical

Every professional needs the right tools. If you need to build connections that enforce business policy and protect mission critical systems from failure, you need a professional grade toolkit. Edifecs SpecBuilder is the industry leader guideline creation, data translation and validation toolkit. If data exchange is in your job description, you know that absolute precision in defining, validating and testing is required to correctly process messages and documents. Fast response is expected when creating specifications and when debugging issues. When intake processes work properly, every downstream process is improved: improving first-pass rates, increasing confidence in multi-step batch processes and programs and reducing the cost of rework and rejection processes. The consequences of poorly designed specifications are severe, requiring expert resources and significant time to resolve. Poorly defined processing guidelines undermine the trust that is essential to the high-volume, automated exchange of information and increase costs and risk for the organization.

## SpecBuilder Streamlines and Automates

Edifecs SpecBuilder is an integrated and easy-to-use design-time toolkit that simplifies and accelerates authoring, testing and publishing specifications and processing maps for all types of transaction processing. With a library of more than 30,000 prebuilt trade specifications, SpecBuilder reduces costs, facilitates specification definition and streamlines processing steps. At the same time, SpecBuilder is purpose built for healthcare data processing and includes automated processes to ease the task of complying with regulations, protecting against fraud, enforcing business policy and delivering reliable transaction flow route maps. Published specifications can be used by team members, trading partners and directly by run-time processes. Every organization benefits from accurate, reliable specifications. Healthcare organizations and their trading partners benefit from reduced development time, reduced integration time, enhanced data governance and enhanced operational efficiency. Cost reductions accrue from maximized staff efficiency at design-time, reduced error processing at run-time and reduced re-work and manual exception processing by technology and business resources.

# Capabilities

Using SpecBuilder's integrated tools, business and IT users can:

- **Develop guidelines rapidly with an intuitive editor and library containing more than 30,000 prebuilt templates.** The hierarchical editor permits specification creation either from scratch or existing formats, even from a data file. Custom business rules can be added to ensure that the data format and values meet business needs, including the handling of errors.
- **Share guidelines and related data and error information with trading partners, external vendors or other entities.** Related artifacts, such as guidelines, maps and data files, can be managed in a common project repository and published in multiple formats including HTML, RTF and PDF.
- **Protect PHI (Personal Health Information) and comply with HIPAA data privacy rules** through sophisticated de-identification capabilities.
- **Understand the business impact of change using Visualizer Reports.** Isolate differences in data files and specifications. Identify root cause of issues related to data conformance or partner submissions. Calculate the impact of change quickly and visually.
- **Streamline management of multiple standards and formats using maps** by performing gap analysis between different versions of guidelines, mapping between multiple standards and formats, and migrating guidelines between different versions of healthcare standards.
- **Apply data governance to increase first-pass rates and accuracy** by creating and maintaining code correlation tables, applying codeset crosswalks, enhancing data through database lookups and external routines. Runtime validation and transformation for both standard and proprietary files reduce rework and improve reliability.
- **Store transaction information and generate outbound transactions** from databases using database adapters

# Why Edifecs?

- Comprehensive, integrated toolkit stands out from competitors with visual reporting, industry-leading ease of use and point and click processing.
- Reduces the time and cost of defining trade specifications and process maps
- Visualizes the impact of format, codeset, and partner errors. Quickly understand the impact of change
- Leverages more than 30,000 prebuilt templates, including HIPAA, X12, EDIFACT and more
- Supports clinical transactions, including CCD/CDA, HL7 v2, HL7 v3, NCPDP and more
- Applies data policy including data lookups, data validation, codeset crosswalks and more
- Automates tests for compliance using internal and partner data files
- Eases audit and research processes with tools to detect abnormal processing and data patterns



Figure 1 Business Impact Visualizer

---

Edifecs SpecBuilder delivers a comprehensive set of capabilities to accelerate transaction specification development. Healthcare organizations can ensure compliance with mandates such as HIPAA and Operating Rules, specify data validation rules according to industry and business policy, publish companion guides, simplify trading partner integration and enhance operational efficiency.

## Benefits

### Reduce Implementation Time

### Improve Transaction Quality and Achieve Compliance

## Supporting Features

- Utilize 30,000 templates including CCD with Schematron, X12N, Post Adjudication Formats, and other guidelines
- Build route maps using standard formats (X12, HIPAA, HL7, NCPDP), proprietary formats (positional, CSV, XML) or batch files
- Reverse engineer specifications from data files (Flat file or XML) using SpecGenerator
- Import and export specifications and data efficiently using a broad range of tools and third-party applications, including XSD, COBOL, SAP IDoc and others. Export guidelines to JSON schemas
- Use Data Explorer modes such as text and binary to work with delimited data sets. Edit and tag schemas to create metadata and enhance downstream processing
- Flexibly enforce WEDI SNIP Levels. Reduce troubleshooting time by categorizing HIPAA errors by WEDI SNIP Type
- Share error information through HTML, RTF and XML error reports
- Use Business Impact Visualizer reports to identify abnormal processing patterns, scorecard and report statistics on complex, high volume scenarios and partners. Quickly understand the impact of new versions of regulatory changes, codeset variations, gateway modernization (migrating between gateway engines or clearinghouses). etc.
- Use a rich, integrated, visual design-time environment to define and test transactions before deployment
- Use predefined HIPAA, HL7, NCPDP and other guidelines to achieve compliance
- Leverage Edifecs monthly service to update code sets and assure compliance
- Create and maintain code crosswalks to support runtime validation and data transformation between standard and proprietary files
- Enhance data governance and enforce policy with custom business rules
- Comply with companion guide publishing formats from CAQH CORE Operating Rules and DISA X12

## Benefits (continued)

### Reduce Administrative Costs and Improve Efficiency

## Supporting Features (continued)

### Improve Trading Partner Relations

- Use visual tools to define rules and processing logic, use point-and-click metadata definition to annotate and mark up delimited data sets. Hierarchical data editor reduces the need for multiple unintegrated tools to edit data files
- Gain ad-hoc business insights directly from transaction data without the need for expensive ETL and data warehouse tools
- Accelerate testing by generating “happy-path” and negative test data directly from guidelines. Create test data from production data, and customize by specifying seed values in dictionaries
- Highlight differences in data files before and after system changes
- Manage code crosswalks using an intuitive UI and subsequently during runtime
- Migrate seamlessly between different versions of the standards
  
- Store and manage related artifacts such as guidelines, maps and data files in a common project repository where commits, updates and deletes can be performed as a single action. Share user notes and comments about specifications to facilitate knowledge exchange and consistency.
- Publish guidelines, maps and data files in various formats, such as MS Word, MS Excel, HTML, RTF and PDF, either as individual files or as a package
- De-identify data to protect PHI when sharing with partners
- Test partner data files against implementation guidelines and provide meaningful error analysis for quick problem resolution
- Troubleshoot HIPAA code-value issues across 60+ external code sets with effective dates and end dates, including ICD-10, drug codes, and ADA codes
- Relax compliance requirements for nonmaterial transactions to increase electronic intake



Edifecs Inc. is a global healthcare software company committed to improving outcomes, reducing costs, and elevating value of healthcare for everyone. Edifecs delivers the industry's premier IT partnership platform to providers, insurers, pharmacy benefit management companies, and other trading partners. By mobilizing its leading solutions at the front end of the healthcare information pipeline, Edifecs provides a unified platform for partners to flexibly pilot and scale new initiatives using their existing enterprise system. Since 1996, hundreds of healthcare customers have relied on Edifecs partnership solutions to future-proof their leading initiatives in the midst of a dynamic healthcare landscape. Edifecs is based in Bellevue, WA, with operations internationally. Learn more about us at [edifecs.com](http://edifecs.com).