



## VALIDATION AND VERIFICATION

### Sharp Designs, Sharper Systems®

#### **Build the right thing:**

Validation ensures that a system meets the users' needs. Sharp Informatics' Natural Language Modeling (NLM) uses simple questions to interact with system stakeholders. Their yes and no answers guarantee that their requirements for the system are captured and understood.

#### **Build it right:**

Verification ensures that a system adheres to its design specifications. NLM processes the rules from implemented system models, existing table structures, or sets of raw data to guarantee they match the design specifications.

#### **New or existing?**

NLM can be quickly applied in a new project to efficiently interact with Subject Matter Experts (SMEs) and gather system requirements. The NLM algorithm can also be quickly utilized to identify which rules are still pertinent in a project redesign and which are not.

#### **Project Success:**

The free-flowing design discussion fostered by NLM highlights:

- ◆ Changes to existing business rules
- ◆ SME disagreements on specific business rules
- ◆ New business rules to be implemented

NLM's natural language focus enables the reuse of applicable knowledge and captures any known problems and/or future needs that are crucial to project success. Any disagreements are addressed and resolved, leading to the education of all SMEs and IT professionals (analysts and developers). In fact, this stakeholder education is often the most valuable contribution of NLM.

#### **Benefit:**

Natural Language Modeling validation and verification of user needs and system design help ensure project success.