## Model Driven Message Interoperability

## ABSTRACT

The need is to reliably send information from one enterprise to another. The problem is there are too many message standards, and too many active versions of each standard. SWIFT planned to migrate from the legacy FIN messages formats, which carry the bulk of all inter-border bank transactions (MTxx) to the new XML based ISO 20022 harmonized payment message formats (MXxx). The banks said "no" as it would cumulatively cost billions, instead instructinf SWIFT to support both standards indefinitely. In HealthCare, HL/7, which is the primary healthcare message standards body, has released a new XML message standard (HL/7 v.3) to replace the current EDI-based message standard (HL/7 v.2). The transition to HL/7 v3 has been painfully slow.

The Object Management Group's (OMG – the organization which publish software development standards) recently approved the Model-Driven Message Interoperability (MDMI) standard. It promises dynamic, flexible, quality-assured information exchange between message formats. This allows new message formats to comfortable coexist with existing legacy formats thus allowing a much faster, economically efficient adoption of new standards. MDMI is scalable. It only requires an entity to know its own message formats and how to map those elements to existing industry standard concept dictionaries. The utilization of MDMI in finance and healthcare enables future improvement in message payload carrying capacity and diversity while saving billions of dollars today in unnecessary application recoding and expensive revisions of proprietary mapping products.

## BIOGRAPHY

Mark Eisner Chief Technology Officer Firestar Software

Mark Eisner is the CTO of FireStar Software. FireStar is the latest in a series of innovative entrepreneurial enterprises each of which he was a co-founder. The area of his work has been in IT infrastructure, with the last fifteen years focused on inter-enterprise, application-to-application messaging. In this regard, he has been a consultant to major clients such as IBM and Progress Software. In particular, he has consulted to SWIFT on aspects of the SWIFT standards and gateway technology.

For the last five years, as co-chair of the OMG Finance Domain Taskforce, Mark spearheaded the effort to create the MDMI specification.





























