What is **Func BPML**?

**Func BPML** is a functional modelling language to textually model, transform and quality assure business processes in Business-Driven Development.

We developed **Func BPML**, a functional domain-specific language embedded in Flash, with which:

- Models can rapidly be produced in a concise and abstract manner.
- Models can be understood and validated by those unfamiliar with Haskell.
- Enables focus on the specifications rather than the implementation.
- Ensures that all the required details are documented in an accurate code, as specified.
- Models can be transformed, analyzed and interpreted in various ways.
- Quality assurance made by applying metry checker.
- Act construction freer.
- Functions that analyze the soundness of models.
- Enables asset to define quality assured composite model transformation.

**Func BPML** captures the domain semantics of IBM’s WebSphere Business Modeler: Advanced V6.0.

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**Business-Driven Development**

Business process models are produced by business analysts to graphically communicate the business requirements. In **Business-Driven Development**, the IT solution is directly derived from these models.

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**Strengths of Func BPML**

- Programmatically construct complex, yet regular models, succinctly.
- Provides smart patterns and models to rapidly and safely construct complex models.
- Supports non-verified quality assurance checks.
- Supports user-defined model transformations.
- Supports user-defined sequential, branching and iterative composite quality assured model transformations.

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**An Embedded Domain Specific Language to Model, Transform and Quality Assure Business Processes in Business-Driven Development**

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