

# **UML2 and Model-Driven Development**

## **The Model Driven Architecture**

There is a new way of developing applications, the Model Driven Architecture. The MDA specification consists of a platform-independent UML based model (PIM), and one or more platform-specific models (PSM). With MDA, an application system is modelled once and only once. The MDA also will take advantage of XMI when it defines the mapping from PIM to XML.

## **The UML2**

An enhanced version of the language, which will be called UML 2.0 is in the process of being finalised by the OMG. UML 2.0 is likely to provide improved support for current technologies resulting in better productivity and quality.

It should deliver the following benefits:

- § Improved support for developing component-based software
- § Better support for modelling architecture of software
- § More options to build tools with simulation and code generation
- § Superior support for executable models and dynamic behaviour
- § Improved diagram interchange between tools
- § Enhanced scalability

In this paper I would like to summarise UML2 features supporting Model Driven Architecture and exchange of model information.