

6.11.4 Smart Contracts

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The OMG members recommend the Federal Reserve use [Research Development Test & Evaluation \(RDT&E\) Funding](#) in developing and perfecting [Smart Contracts](#). Currently, the *de facto* standard for Smart Contracts is the [Ethereum](#) language called [Solidity](#). See the [Ethereum Solidity Language Specification](#). However, there are shortcomings in the language which could either be updated or replaced with a more comprehensive language and may not even be procedural in nature. For example, the graphically based [Business Process Model And Notation \(BPMN\)](#). Another possibility would be to develop a standardized, [Platform-Independent Model](#) for a Smart Contract [Application Programming Interface \(API\)](#) which could have multiple [Platform Specific Models](#) developed from the PIM.



Figure 1: Creating a Platform Independent Model (PIM) and transforming it into various Platform Specific Models (PSMs)

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