

6.0 Recommendations

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The OMG members wanted to make recommendations to the Federal Reserve for future activities in the area of a U.S. CBDC. They propose 12 different direct actions or activities. One of these activities involves the use of RDT&E funding to explore eight specific Research Development Test & Evaluation (RDT&E) topics.

The **Object Management Group® (OMG®)**, founded in 1989, is an international not-for-profit software consortium (aka [Standards Developing Organization \(SDO\)](#) or a [Voluntary Standards Consensus Body \(VSCB\)](#)) that sets standards in the many areas including distributed object computing. This means the OMG organization plans, develops, establishes, or coordinates voluntary consensus standards using agreed-upon [Policies and Procedures \(P&P\)](#). The P&P provides a framework for openness and transparency to aid in balancing the interests of the Stakeholders, providing due process for disagreements, and building consensus.

The OMG is not a financial institution, a government institution, or a provider of goods, services, or technology. The main goal of the OMG is to produce standard technical specifications for use by the national and international communities with a proven track record, see the [Introduction](#)). Based on our experience in formulating the responses to the questions posed in the **White Paper**, our members have formulated a set of recommendations to help aid the Federal Reserve to move forward with a U.S. CBDC. The OMG members are very active in 26 vertical markets, including Business, Finance, Government, Healthcare, Manufacturing, Military, Robotics, Space, and Telecoms.

- [6.01 Elaborate the Newly Known Risks](#)
- [6.02 Move from Desirements to Requirements](#)
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- [6.04 Formally Define Stakeholders](#)
- [6.05 Formally Define Non-Functional Requirements](#)
- [6.06 Formally Define Functional Requirements](#)
- [6.07 Refine Applicable Laws and Regulations](#)
- [6.08 Instill Confidence in the CBDC](#)
- [6.09 Baked-in Security](#)
- [6.10 Adopt a Model-Based Systems Engineering \(MBSE\) Approach](#)
- [6.11 Perform Research Development Test & Evaluation \(RDT&E\)](#)
 - [6.11.1 Consensus Algorithms](#)
 - [6.11.2 Artificial Intelligence \(AI\)](#)
 - [6.11.3 Ontologies](#)
 - [6.11.4 Smart Contracts](#)
 - [6.11.5 Complex Data Models](#)
 - [6.11.6 Understanding Gas Implications](#)
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 - [6.11.8 Build Reference Implementation \(RI\)](#)
- [6.12 Defining the Appropriate Standards or Specifications](#)

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