

Background:

The USGS Geographic Information Office is responsible for establishing the U.S. Geological Survey (USGS) Enterprise Architecture as a companion to the Department of Interior Information Architecture. In addition, the Office of the Associate Director for Geography is developing program architecture for The National Map (TNM). It is desired that TNM architecture be viewed as sub-architecture of the USGS Enterprise Architecture.

Scope:

Technical assistance is needed to support the development of the USGS Enterprise Architecture and the architecture for TNM. In addition, a migration plan is needed to transition to TNM architecture from the current state.

Objective:

This task provides consultation services to support the development of the USGS Enterprise Architecture and the architecture for TNM. In addition, a migration plan is needed to transition to TNM architecture from the current state.

Task Order Description:

Task 1- In collaboration with the US Geological Survey acting Architecture Core team identify an Architecture framework and strategy. The core team prefers the Zachman framework.

Deliverables: A detailed work plan (including milestones) which includes the identification of an approved framework, and tools for the development of a repository for the collection, and storage of data, and a process for analysis, and presentation and documentation of architecture process.

Task 2- Establish the contextual scope and program views of the US Geological Survey Enterprise following Zachman methodology for rows one and two.

Deliverables. An Enterprise planners view and business model for the US Geological Survey stored in a data repository.

Task 3- Construct the architecture for TNM in collaboration with the Governments architecture core and TNM teams. The architecture will include data, functions, networks, people, time and motivation factors included in rows one through six of the Zachman framework

Deliverables. A complete architecture for TNM stored in the same data repository as established in task 2.

Task 4- Optional. Provide a more detailed analysis of TNM data model, as defined in rows three, four and five of column one of the Zachman framework. If requested provide comparative analysis between the TNM data model that existing data model in an Oracle repository.

Deliverables. A comparison of the TNM data model with the existing data model.

Task 5- Optional. Provide assistance in the planning of programs and projects that support the approved goals, missions and objectives Program/Project Planning support. This support shall include, but not be limited to, the performance of analyses, the production of white papers, the development of program/project schedules and budgets, the development of program/project plans, and providing other technical include and support as required. In addition, the contractor shall serve as a technical advisor and resource to the National Map Working Group leader on a regular basis.

Task 6- Optional. Provide education and guidance to USGS personnel involved in development of the USGS Enterprise Architecture and the TNM architecture. The contractor shall assist with, or provide: briefings, training or information exchange meetings involving the Office of the GIO, the Bureau Enterprise Architecture Core Teams, representatives from States, or Centers, management or other focus groups within the USGS. In this capacity, the contractor will assist with, or present briefings at each state of the architectural development process. The contractor shall assist or facilitate in explaining the meanings and contents of each state, at meetings and other events, and provide expert advice.