

Interim Bureau Architecture Standards/Criteria

Process

1. Acceptable application system flow and data model diagrams shall be provided. If possible, a process flow diagram should be provided.

Data

- In general, BLM data standards will be exclusively used and in specific they will:
 - utilize the NELS data standard for legal descriptions; and,
 - rely upon CBS/MIS for sources of financial data: they will not duplicate this data in the application.
- Data will be structured in line with the Business Subject Areas in the BA to the extent possible.
- Applications must not be designed to treat the data associated with it as being solely owned/controlled by that application.

Application

- Applications will be designed for platform independence.
- Applications will be modular in design, with a bias toward developing major portions as reusable components.
- Applications will be designed to take advantage of middleware messaging and deployment to the web environment (Intranet/Internet). 'Monolithic' application design is not acceptable.
- Applications will conform to a single graphical user interface (GUI) standard. A similar 'look and feel' for all technology infrastructure components must be maintained.

Technology

- Do not introduce redundancy, or, new types of technology infrastructure components unnecessarily.
- Provide support for a wide variety of remote computing/intranet/web-based/wireless access. Delivery needs must be considered early in the design phase.
- Provide/augment protection from unauthorized or inadvertent access, or disasters and ensure the availability, integrity and confidentiality of data/information housed within the various technology infrastructure components.
- Utilize greater use of XML to provide a direct method to share information.
- Implement Public-Private key encryption mechanisms when appropriate.
- Use of COTS applications should comply with industry standards, ISO 9000.