

## **Mainframe Services**

Services provided in this category would be in support of Washington State's legacy mainframe systems.

Resource skills and experience include the following:

- Design, develop, test, debug programs, and other software utilizing automated tools in an IBM mainframe environment. (Resource/skillset needed: application development, data analyst, IMS hierarchical database design, and system administration.)
- Developing technical specifications for system changes and improvements.
- Identifying and analyzing data and developing reports and other communications to provide meaningful information for decision-making, prioritizing resources, responding to requests and for future planning; Identifying and analyzing risks associated with change, recommending mitigating measures and solutions
- Researching, developing, implementing, testing, documenting, monitoring and maintaining individual systems for the purpose of supporting and enhancing business functions.
- Converting data from project specifications and statements of problems and procedures to create or modify computer programs.
- Compiling and writing documentation of program development and subsequent revisions.
- Analyzing specifications, applying knowledge of computer capabilities, subject matter, and symbolic logic.
- Analyzing, reviewing, correcting defects, and rewriting programs to increase operating efficiency or to adapt program to new requirements.
- Assisting data center operator to resolve problems in running systems.

Technical skills and experience in this category include but are not limited to the following technologies:

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|--------------------------|-------------------------------------|----------------------------|
| • AdaPREP                | • Endeavor                          | • Tandem                   |
| • CANDE                  | • EntireX                           | • N200                     |
| • CA7/CA11               | • EOS (Enterprise Output Solutions) | • Natural & Natural 2      |
| • CICS                   | • JCL                               | • OS/390 Assembler         |
| • Cobol (Batch and CICS) | • LINC                              | • REXX                     |
| • COMS                   | • Message queuing software          | • Vision: Results (DYL280) |
| • ADABAS                 | • TSO                               | • RPG                      |
| • DB2                    | • IBM OS/390, Z/OS                  | • Websphere                |
| • VSAM                   | • AS400                             | • SNA                      |
|                          |                                     | • IMS DB & TCP/IP          |