INTERNAL DESIGN PHASE

Purpose: The Internal Design Phase specifies the detailed implementation not already outlined in the External Design process. This includes delineating modules, choosing algorithms and centralizing redundant processes.

Life of the Phase: The phase begins when the external design team has completed their specifications. It ends when the internal design team has developed a specification document that is detailed and unambiguous enough that construction can proceed with no further investigation of process or data. However, there may be a need to return to the Internal Design Phase after its approval if a later phase surfaces the unexpected.

STEP 1: Assign *Model Coordinator*

Assign one individual (possibly internal design leader) to be the Model Coordinator who owns design of the *central library*. The *central library* includes common routines, more detailed system level descriptions, *data models* and flows.

STEP 2: Drill-down the External Design

- Identify the program modules (by name and description) to be designed using a top-down design approach of the system flow or key functions from the External Specifications. If necessary, drill down the system flows into process flows. Include complex data conversion programs requiring an Internal Design. (If the conversion program is complex, it should be designed, coded and tested like any other program.) This step is just to identify the "black-box" modules; the design of the modules is in Step 5.

- Formalize the platform, tools, languages, and security issues.

- Complete the Internal System Design Specifications.

STEP 3: Assign Module Owners

STEP 4: Review with External Design Team

Meet with external design team to review drill-down of the external design