Figure A: Test Program Layers

- TestProgram (or top level) Container
  (Contains All Program Components)

- OnStart
- OnLoad
- OnReset
- OnInit
- OnPowerDown
- On(UserDefined)

Program#1

Program#2

Where:
- ● = lowest-level TestModule
- ○ = mid-level TestModule
- ◇ = highest-level TestModule
Figure B: Test Program Components

**TestProgram Block:** top level construct or container

**On-SpecialTask (overhead) Blocks:** special program level task constructs
Composed of a FlowNode referencing TestModule, or SubFlowModule.

**Program Block:** One or more program flows (ie. Probe, FinalTest, Char)
Special SubFlowNode decomposing a complete test flow.

**FlowNode:** Node in a flow: contains a TestModule or SubFlow Reference
(See Figure #1)

**SubFlowModule:** (See Figures #2B, 4 and 5)

**TestModule:** (See Figures #, 2A and 3)

**BinNode:** Not yet discussed/defined
(Need two natures, terminal and flow-through)

**TaskNode:** Is this non-test type node? Is it needed for non-test activities?

**DecisionNode:** Is this non-test type node? Is it needed for flow decisions?
FlowNode Elements Terms
1. FlowNode
2. EntryPath
3. PreActions Block
4. Module Block
5. PostActions Block
6. Arbitor Block
7. ExitActions Block
8. ExitPath
9. SkipPath

Informative Terms:
Pre-
Body
Post-
Figure 2: Variations on What a FlowNode Module Is

Figure 2A: TestModule

TestModule

TestMethod “XYZ” {Arg1, Arg2,...,ArgN}

TestPreActions

TestPostActions

PassExit

FailExit

FlowNode

PreActions

Module

PostActions

Arbitor

Exit Actions(1)

Exit Actions(n)

Pre-

Body

Post-

TM1

TM2

TMn

SubFlowModule

Figure 2B: SubFlowModule
Figure 3: Variations on TestModule with Three “out-flow” Configurations

3A: Two Exits Joint to One Point for Later Arbitor Action

3B: Classic Two Exits: One Pass, One to Failure Terminal Point

3C: By Pass, Two Exits: Normal Pass to Next TestModule, One that Flows next Around TM

Figure 4: An Example of a FlowNode containing SubFlowModule with Reusable FlowModules of Various “out-flow” Configurations
Figure 5: An Example of a SubFlowModule with Contents per ITC2002 Diagram

Note: TMA and TMD both reference TestMethod "1". All other TMs reference different TestModules (#2-5)