Figure A: Test Program Layers

TestProgram "Prod" Container
(Contains All Program Components)

EntryPoint Objects

OnStart

OnLoad "1"

OnLoad "2"

OnInit

OnPowerDown

OnUserDefined "2"

Flow "#1"

Flow "#2"

Flow "#2"

OnLoad "2"

OnUserDefined "2"

Where:

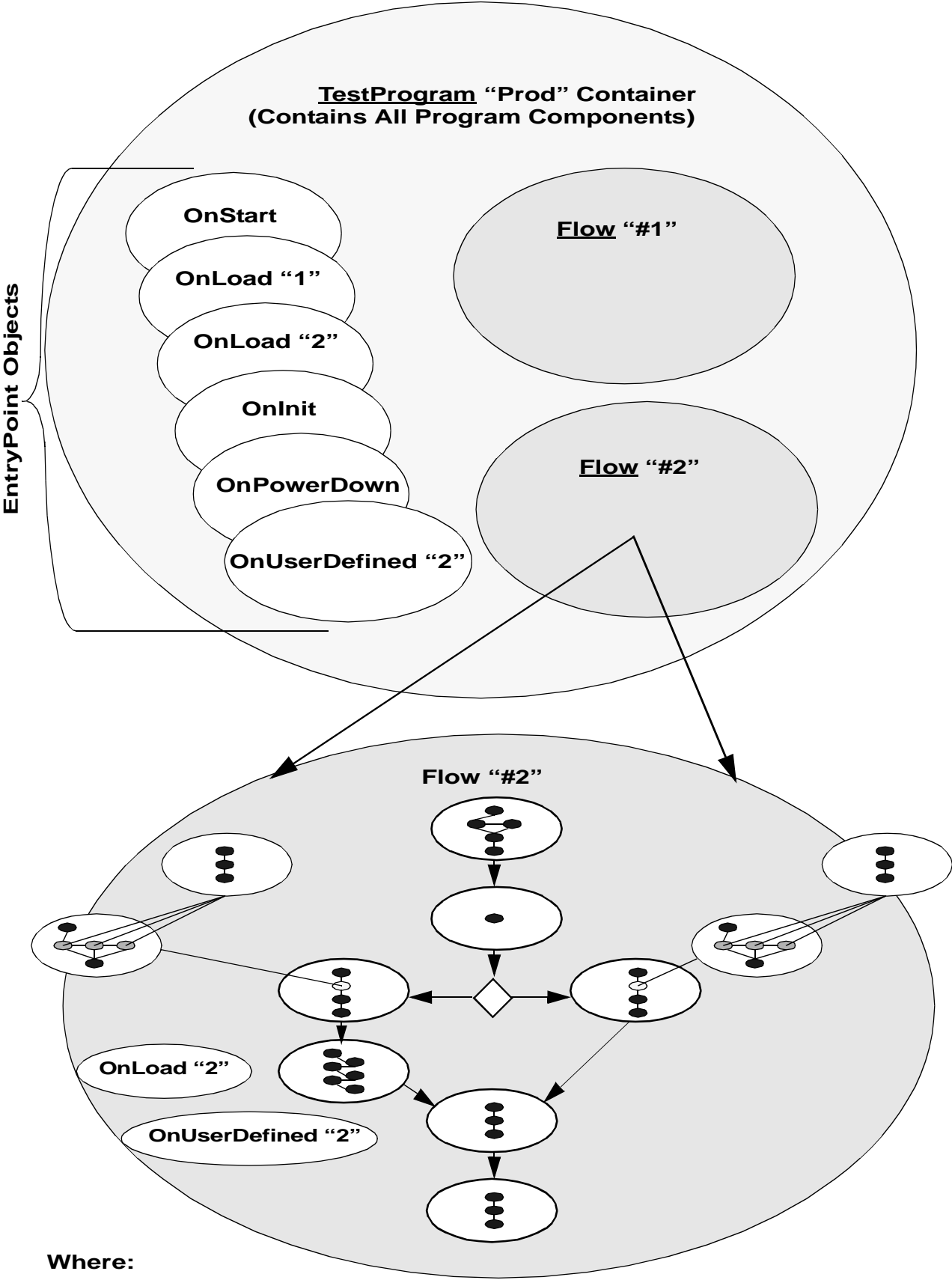● = lowest-level TestModule

◐ = mid-level TestModule

○ = highest-level TestModule

Figure B: Test Program Components

TestProgram Block: top level test program construct or container
There can be one or more of these blocks and they may be domain
name or unnamed (global).

EntryPoint: A special program level tester activated task that is a pointer
a TestModule. There are a set of
general (via this spec) EntryPoint entities such as OnStart, OnReset, etc.
these can be domain named or defaulted unnamed. If a given Flowdeclares
a domain named EntryPoint (i.e. OnLoad "2") then when an "on-load"
tester systeminterupt occurs, then execution will flow to the Active Flow
to the named object.

Flow Block: One or more program flows (ie. Prod, Finaltest, Char ...)
Special SubFlowNodecomposing a complete test flow.

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

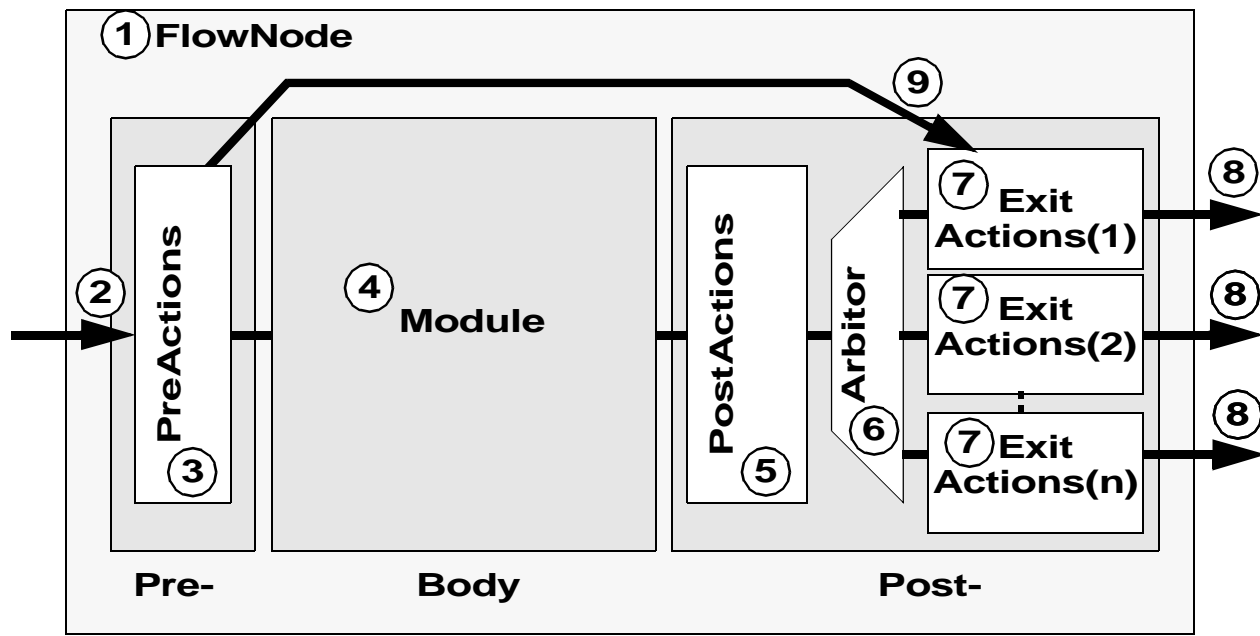**SubFlowModule:**   (See Figures #2B, 4 and 5)

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?

Figure 1: A FlowNode Diagram with Its Named Parts

FlowNode Elements Terms

1. FlowNode
2. EntryPath
3. PreActions Block
4. Module Block
5. PostActions Block
6. Arbitor Block
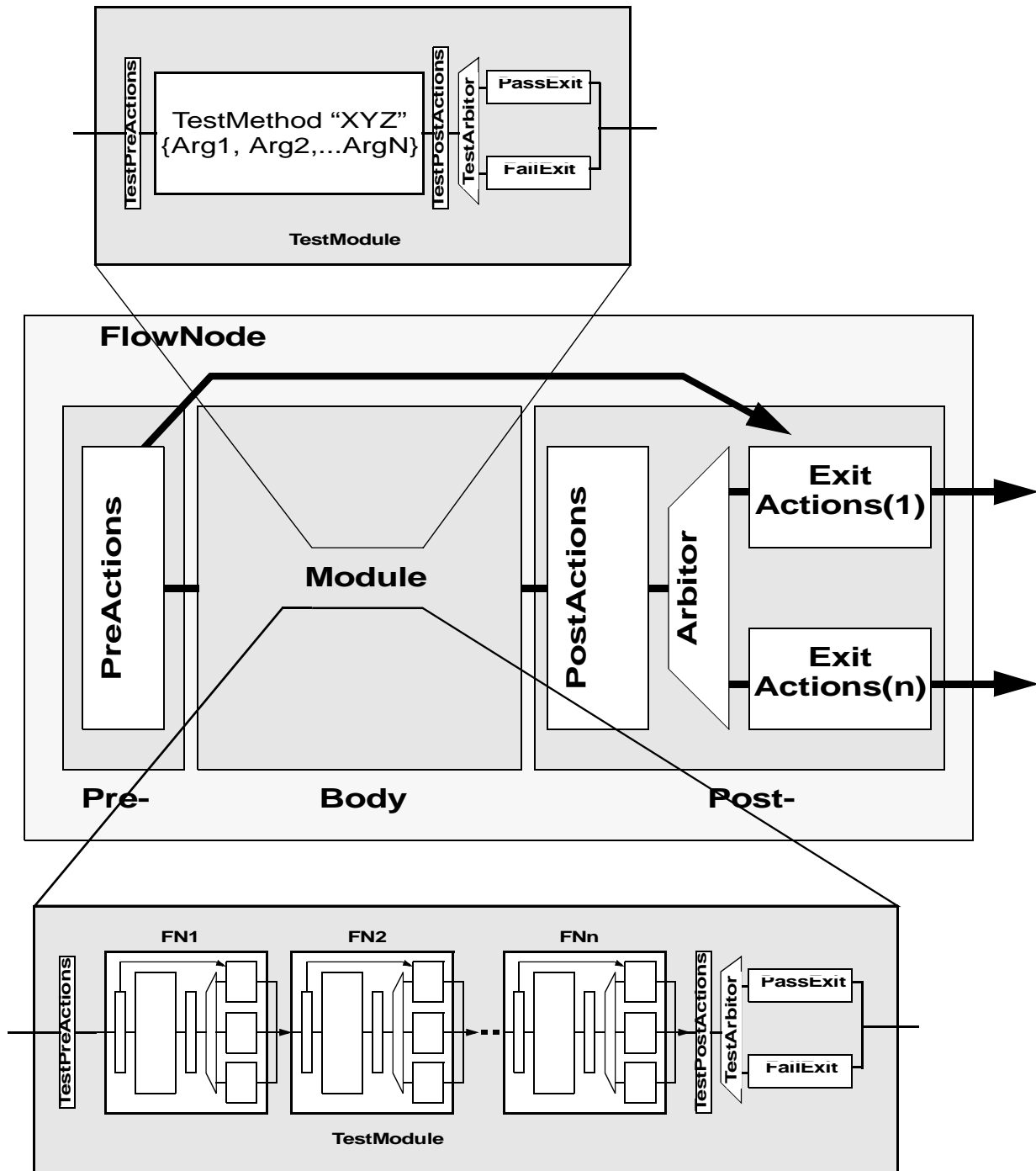7. ExitActions Block
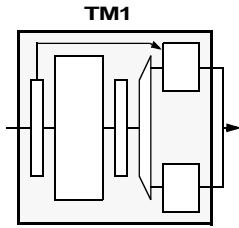8. ExitPath
9. SkipPath

Informative Terms:

Pre-

Body

Post-

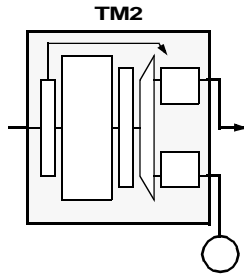**Figure 2: Variations on What a FlowNode Module Is a TestModule**

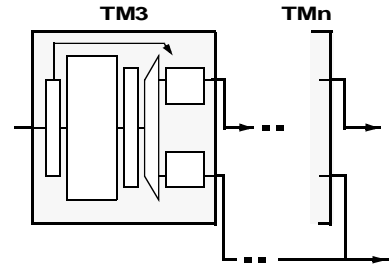**Figure 3: Variations on TestModule with Three "out-flow"Configurations**

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
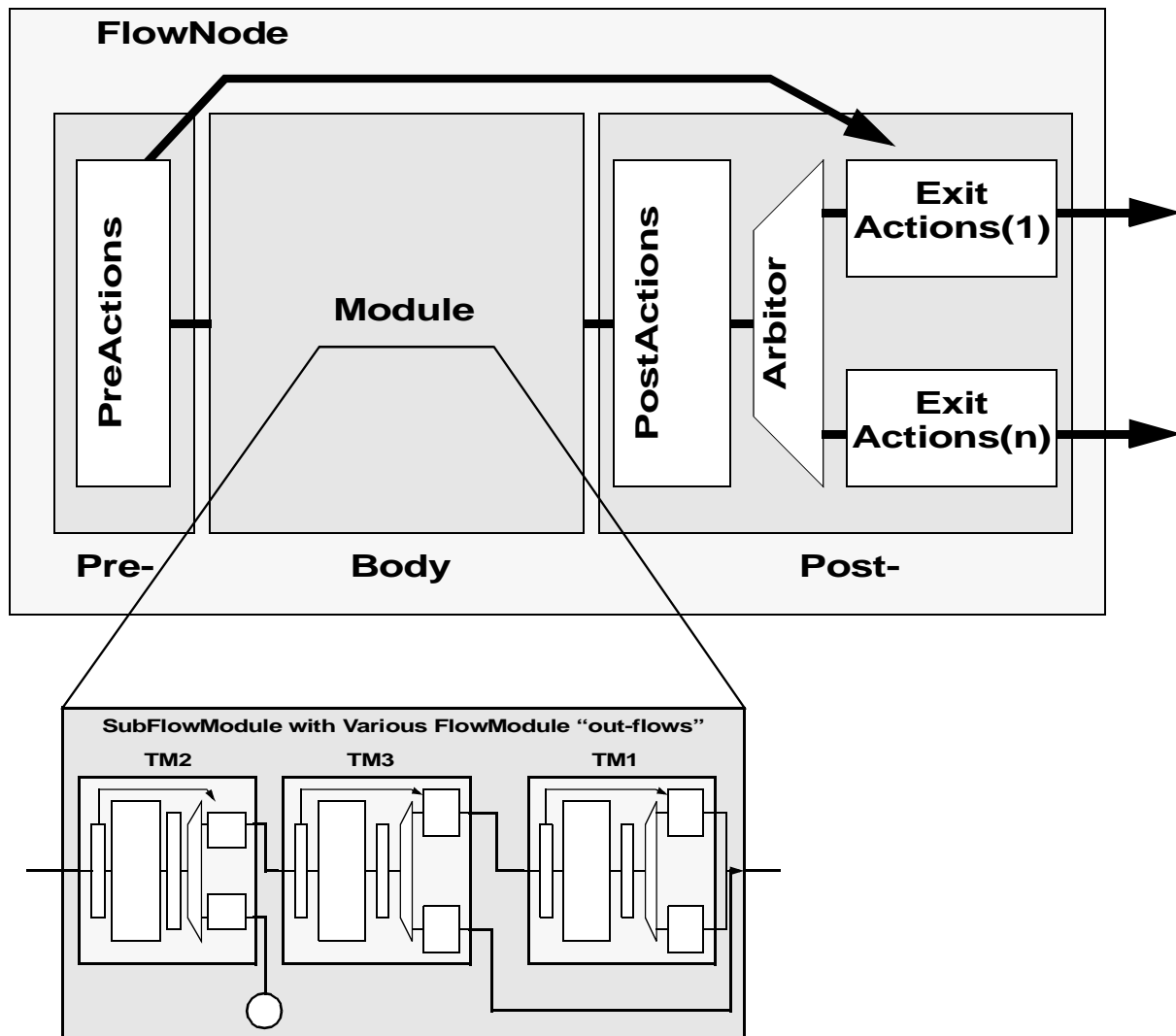
Figure 5: An Example of a SubFlowModule with Contents per ITC2002 Diagram

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