

Attendees: Gerald Chan, Ric Dokken, Scott Franzen, Carey Garrenton, Greg Maston, Ernie Wahl

Line and clause numbers if any are with regard to STIL.4 syntax document D02 dated November 09, 2015.

We explored possibilities for meeting ExecResult-centered ATE-driving software requirements with the existing STIL.4 framework.

=====

ExecResult requirements presented by Ric (as interpreted by Ernie), i.e., ExecResult needs to be:

- read-only to user
- set by ATE operating system via black-box TestExec (implies library test-type, standard or not)
- available for interrogation at FlowNode

Unresolved (as interpreted by Ernie):

- Scope:
 - . heard ExecResult could be globally accessible, e.g., global variable
 - . heard ExecResult could be per FlowNode or Test
- Objection to ExecResult being represented by a Test parameter or global variable is unclear
- Objection to ExecResult being initialized to None or NORESULT is unclear

=====

PROPOSALS:

- As a test parameter: Out ExecResult execResult { Permissions ReadOnly; }
- As a (standard?) global variable: ExecResult execResult { Permissions ReadOnly; }
- ExecResult becomes a keyword under FlowNode, and disappears from TestBase, i.e., TestBase reverts to FailMode

=====

[Ric Dokken] Per Working Group meeting 11/10/2015, here is the proposal to add a read-only execResult member to the FlowNode. Note that there is no change to the flownode_stmt block syntax as the user cannot set the execResult. Thus, the description in red is proposed as the addition to the language. Examples that check the execResult member in Port expressions are still valid.

```
flownode_stmt =
< FlowNode (NODE_NAME) {
  (TestNumber unsigned_expr; )
  (PreActions { ( action_stmt )* } )
  < (TestExec reference_stmt)+ | TestExec; >
  (PostActions { ( action_stmt)* } )
  (ExitPorts {
    ((PORTLABEL:) Port boolean_expr { (action_stmt)* } next_stmt; )+
  } )
} |
TestExec reference_stmt > // A default flow-node copy's TestExec is assigned the reference_stmt.
```

execResult: A read only member of the FlowNode of type ExecResult returned by the TestExec at execution time. This read only member may be used in Port expressions in the ExitPorts to determine flow navigation.

ACTION ITEMS:

- Ric: post FlowNode-keyword ExecResult proposal on the Scratchpad Word Doc.

=====