

### Form NP 19-1-7 Instructions

The Code Team/Sponsor or designee (e.g. tester) shall execute the test cases and compare results to the acceptance criteria identified in the approved VVP. Any tests performed during the implementation phase which were not previously documented and reviewed should be formally documented, as appropriate, and the VVP revised to reflect the additional tests.

"Manual Inspection" in Item 6 refers to manual activities which do not involve numerical manipulations. These include visual inspection of table reformatting or plotting, and concurrence of qualitative acceptance criteria such as trends in results due to input parameter variations.

In order to allow for comparison of test results to other independent software of similar purpose, the following criteria must be met:

- comparison of test results to any of the four previously listed methods in Item 6 is impossible or impractical;
- the computer codes were independently developed. This must mean development by different individuals. This should include the use of different theoretical bases, use of different modeling strategies, or different mathematical models;
- validation of any theoretical basis or mathematical model which is not considered a conventional, generally accepted solution technique for that application must be performed via another method.

The tests should demonstrate the capability of the software to produce valid results for problems encompassing the range of permitted usage as defined by the User's Manual.