Abstract test suite
What it is

• General test template
• General pass criteria
• Collection of testing scenarios with implementation-specific behavior parameterized or abstracted out
• Functional tests, typical case tests, capacity tests, error case tests
Why it is

- TGDC Resolution #25-05, item 4 (test methods)
- TGDC Resolution #26-05, “Uniform Testing Methods and Procedures”
- Improved reproducibility
Where it is

- Draft VVSG2 Sec. 4.2.3.5 et seq.
How it is different

• Augments implementation-dependent, white box structural and functional testing specified in 2002 VSS
• Raises the baseline level of testing that all systems must pass
• Error rate, MTBF determined from statistics collected across run of entire test suite
Issues

• Implementation-dependent white box testing: poor reproducibility, but hardly redundant

• Testing combinations of features requires extensive test suite
Discussion