Resolutions adopted by the Technical Guidelines Development Committee at the December 4, 5 2006 Plenary Session

Resolution # 03-06: Offered by Dr. Rivest
Title: The Innovation Class in VVSG 2007

To spur development of new and innovative secure voting systems, the Technical Guidelines Development Committee (TGDC) directs the Security and Transparency Subcommittee (STS) to include in the next iteration VVSG a new class of voting systems, referred to here as the “Innovation Class.” The TGDC directs STS to investigate high-level, guiding requirements for systems in this class for the purpose of providing system implementers with a path towards achieving certification to the next iteration of the VVSG. STS should also investigate approaches for reviewing, testing, and certifying systems in this class. These approaches could include convening a review board to review submissions and performing expanded open-ended vulnerability testing on systems submitted for certification.

Resolution #04-06 Offered by Dr. Rivest Amendment to Resolution #35-05 , Title: Wireless Security

The TGDC has considered additional security research since Resolution #35-05 was passed and has concluded that the presence of or capability for any wireless in equipment whose purpose is for official vote casting, counting, and reporting should be prohibited in the next iteration of the VVSG. The sole exception is for infrared wireless, which should only be allowed if the physical path is shielded in addition to the security measures already in VVSG 2005.

Resolution # 06-06: Offered by Dr. Rivest
Title: Software Independence of Voting Systems

Election officials and vendors have appropriately responded to the growing complexity of voting systems by adding more stringent access controls, encryption, testing, and physical security to election procedures and systems. The TGDC has considered current threats to voting systems and, at this time, finds that security concerns do not warrant replacing deployed voting systems where EAC Best Practices are used.

To provide auditability and proactively address the increasing difficulty of protecting against all prospective threats, the TGDC directs STS to write requirements for the next version of the VVSG requiring the next generation of voting systems to be software independent. The TGDC directs STS and HFP to draft usability and accessibility requirements to ensure that all voters can verify the independent voting record.

The TGDC further directs STS and Core Requirements and Testing Subcommittees (CRT) to draft requirements to ensure that systems that produce independently verifiable voting records are reliable and provide adequate support for audits.
Resolution 08-06 Title: Recommendation to ICDR  
Offered by Whitney Quesenbery

The Interagency Committee on Disability Research (ICDR) sets the agenda for federal disability research, and actively seeks recommendations for future research topics. The TGDC recommends that the ICDR consider the topic of voting system accessibility for one of ICDR’s annual conferences.

Resolution 09-06 Title: Principal Criteria  
Offered by Stephen Berger

The TGDC will include in the guidelines as a statement of the overall goal to produce systems with the following attributes:

• Secure  
• Accurate  
• Reliable  
• Usable  
• Accessible  
• Fit for its intended use

This may allow for the certifying authority to consider whether a candidate’s voting system not only is in conformance with the requirements, but also whether it meets the higher level goals.

Resolution # 10-06: Title: Reliability Metrics  
Offered by Mr. Berger

The TGDC concurs with moving away from MTBF (Mean Time Between Failure) as a reliability metric for voting systems.