Security and Transparency
Subcommittee (STS)
Introduction to Preliminary Reports and
Issues for VVSG 2007

Presentation for the
Technical Guidelines Development Committee (TGDC)

Curt Barker

Chief, NIST ITL Computer Security Division

Dec 4/5, 2006

National Institute of Standards and Technology

Some High-Level Considerations

- Secret Ballot

- Process integrity

- Independent verifiability of integrity

Process Integrity

- Voter qualification - outside of our scope

- Vote collection and recording

- Vote tabulation

- Reporting of results

Independent Verifiability of Integrity

- Mechanisms supporting voting, tabulation, and reporting processes (e.g., integrity of supporting hardware and software)

- Accuracy of tabulation

- Registration information, and voting results
  - In transit
  - In storage

STS Preliminary Reports and Issues

- Concept of software independent verification (IV)

- Restructuring security components for VVSG 2007

- Update on VV SG 2007 security requirements