

Technical Guidelines Development Committee (TGDC)
Public Data Gathering Hearings
September 20, 21, 22, 2004
National Institute of Standards and Technology, Gaithersburg, Maryland
[Panel Testimony: Oral & Written \(if submitted\)](#)

Monday September 20, 2004:

TGDC Subcommittee on Computer Security and Transparency
Chair: Ron Rivest, MIT

Panel 1: Voting System Security and Transparency: The Big Picture

- Eric Fischer, Congressional Research Service
[\(Oral Testimony\)](#) [\(Written Testimony\)](#)

- Craig Burkhardt, General Counsel for Technology, Department of Commerce
[\(Oral Testimony\)](#)

Panel 2: Requirements for Evaluation of Voting System Security

- Roy Saltman, Consultant Election Policy and Technology
[\(Oral Testimony\)](#) [\(Written Testimony\)](#)

- Michael Shamos, Carnegie Mellon University
[\(Oral Testimony\)](#) [\(Written Testimony\)](#)

- Douglas Jones, University of Iowa
[\(Oral Testimony\)](#) [\(Written Testimony\)](#)

Panel 3: Vendor Perspectives on Requirements for Voting System Security

- Herb Deutsch, ES &S Election Systems and Software
[\(Oral Testimony\)](#) [\(Written Testimony\)](#)

- David Chaum, Chaum LLC
[\(Oral Testimony\)](#)

- Jim Adler, VoteHere Inc.
[\(Oral Testimony\)](#)

Panel 4: Requirements for Audit Trails

- Aviel Rubin, Johns Hopkins University
[\(Oral Testimony\)](#)

- Paul Craft, Florida Department of State
[\(Oral Testimony\)](#)

- Dan Wallach, Rice University
[\(Oral Testimony\)](#) [\(Written Testimony\)](#)

Public Testimony

- Fernando Morales
[\(Oral Testimony\)](#) [\(Written Testimony\)](#)
- Charles Gaston
[\(Oral Testimony\)](#) [\(Written Testimony\)](#)
- Fred Berghoefer
[\(Oral Testimony\)](#)

Tuesday September 21, 2004:

TGDC Subcommittee on Core Requirements and Testing

Chair: Dan Schutzer, CitiGroup

Panel 1: Requirements for a Voting System

- Merle King, Executive Director of the KSU Center for Election Systems
[\(Oral Testimony\)](#) [\(Written Testimony\)](#)
- Wendy Noren, Boone County Missouri Clerk
[\(Oral Testimony\)](#) [\(Written Testimony\)](#)
- Annie Connole, Manager Voting systems, Arlington County, Virginia
[\(Oral Testimony\)](#) [\(Written Testimony\)](#)

Panel 2: Testing Methodology for a Voting System

- Joy Relton, American Foundation for the Blind
[\(Oral Testimony\)](#) [\(Written Testimony\)](#)
- Tom Caddy, Infogard Laboratories
[\(Oral Testimony\)](#)
- Susan Campbell, Montgomery County, Maryland, Office of Elections
[\(Oral Testimony\)](#)
- Paul Craft, Florida Department of State
[\(Oral Testimony\)](#)

Panel 3: Review of Applicable Existing Standards

- Stephen Berger, IEEE Voting System Standards
[\(Oral Testimony\)](#)
- Terrie Diaz, SAIC Corporation
[\(Oral Testimony\)](#)
- Mike Hogan, Information Technology Laboratory, NIST
[\(Oral Testimony\)](#)

Wednesday September 22, 2004:

TGDC Subcommittee on Human Factors and Privacy
Chair: Whitney Quesenbery, Usability Professionals Association

Panel 1: Design and Usability as part of the Voting Experience

- Kimball Brace, Election Data Service
[\(Oral Testimony\)](#)
- Bill Killiam, User Centered Design Inc.
[\(Oral Testimony\)](#)
- Ginny Redish, Redish and Associates
[\(Oral Testimony\)](#) [\(Written Testimony\)](#)
- Lance Gough, Chicago Board of Elections
[\(Oral Testimony\)](#) [\(Written Testimony\)](#)

Panel 2: Accommodating Diversity and Privacy in the Polling Process

- Larry Gonzales, National Association of Latino Elected and Appointed Officials
[\(Oral Testimony\)](#)
- Dori Tunstall, Design for Democracy
[\(Oral Testimony\)](#)
- Lillie Coney, Electronic Privacy Information Center
[\(Oral Testimony\)](#)
- Greg Vanderheiden, Trace Center
[\(Oral Testimony\)](#)
- Burton Squires, Election Judge, Poll Worker Montgomery County, Maryland
[\(Oral Testimony\)](#) [\(Written Testimony\)](#)

Panel 3: Ensuring Access to Voting

- Ann Taylor, National Federation for the Blind
[\(Oral Testimony\)](#)
- Diane Golden, Missouri Assistive Technology Council
[\(Oral Testimony\)](#) [\(Written Testimony\)](#)
- Robert Resuali, AutoMark Technical Systems
[\(Oral Testimony\)](#) [\(Written Testimony\)](#)
- Linda Dickenson, Election Judge, Trainer Montgomery County, Maryland
[\(Oral Testimony\)](#)

Panel 4: Usability Testing of Voting Systems

- Susan King Roth, Virginia Commonwealth University
[\(Oral Testimony\)](#) [\(Written Testimony\)](#)
- Sharon Laskowski, Information Technology Laboratory, NIST
[\(Oral Testimony\)](#) [\(Written Testimony\)](#)
- Fred Conrad, University of Michigan
[\(Oral Testimony\)](#) [\(Written Testimony\)](#)
- Ian Piper, Diebold Election Systems
[\(Oral Testimony\)](#)

Public Testimony

- James Dickson, American Assoc. of People with Disabilities
[\(Oral Testimony\)](#)

Technical Guidelines Development Committee: Members

Arden Bement (Chair)

Acting Director of the National Science Foundation (NSF)
Director of the National Institute of Standards and Technology (NIST)
Gaithersburg, MD

Donetta Davidson

Colorado Secretary of State
Representing Standards Board (EAC)
Denver, CO

Alice Miller

Director of Elections-District of Columbia
Representing Standards Board (EAC)
Washington, DC

Sharon Turner Buie

Director of Elections-Kansas City
Representing Board of Advisors (EAC)
Kansas City, MO

Helen Purcell

Maricopa County Recorder
Representing Board of Advisors (EAC)
Phoenix, AZ

Dr. James (“J.R.”) R. Harding

Architectural and Transportation Barrier Compliance Board
Tallahassee, FL

James Elekes

Architectural and Transportation Barrier Compliance Board
North Plainfield, NJ

Ann Caldas

Director Procedures and Standards Admin.
American National Standards Institute (ANSI)
New York, NY

H. Stephen Berger

TEM Consulting, LP-
Chair, IEEE SEC 38 (Voting Syst. Stds.)
Institute of Electrical and Electronics Engineers (IEEE)
Georgetown, TX

Technical Guidelines Development Committee: Members (*continued*)

Brittain Williams

Retired professor- Kennesaw State National Association of State Election Directors (NASSED)
Tucker, GA

Paul Craft

Florida Department of State, Voting Systems National Association of State Election Directors
Tallahassee, FL

Ronald Rivest

Professor, MIT-Department of Electrical Engineering and Computer Science
Cambridge, MA

Dr. Daniel Schutzer

Vice President & Director of External Standards and Advanced Technology,
e-Citi, CitiGroup
Stamford, CT

Patrick Gannon

President and CEO,
OASIS
Billerica, MA

Whitney Quesenbery

President-Usability Professionals' Association
High Bridge, NJ