



Why Voter Privacy, Security, and Integrity Matters general background

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Electoral Integrity Privacy and Security



International Covenant on
Civil and Political Rights



Strasbourg, 23 May 2003

Opinion 100/2003



CDL-AD (2002) 23 rev
Or. Fr.

EUROPEAN COMMISSION FOR DEMOCRACY THROUGH LAW
(VENICE COMMISSION)

CODE OF GOOD PRACTICE
IN ELECTORAL MATTERS





Privacy in Paper Based Elections





Privacy in Paper Based Elections

firstname	lastname	gender	dob	month	day
DELINCE	DESORMEAU	F	5/1/1959	MAY	1
FRANK	GARCIA	M	5/1/2058	MAY	1
LATRICE	JACKSON	F	5/1/1981	MAY	1
FELIX	MAGLOIRE	M	5/1/1965	MAY	1
EDUARDO	ALVAREZ	M	5/2/1963	MAY	2
HENRY	CRUZ	M	5/2/1960	MAY	2
LINDA	FRESHLEY	F	5/2/1959	MAY	2
RHONDA	MINTZ	F	5/3/1965	MAY	3
LOUISE	MIRANDA	F	5/3/1957	MAY	3



Security in Paper Based Elections





Security in Paper Based Elections





Digital Privacy in Elections

Početna | Mapa stranice | Kontakti

CIK BIH | IZBORI | FINANSIRANJE STRANAKA

Aktuelno | **Da li ste registrovani?** | Centar za ed

Da li ste registrovani?

Prezime :

Ime :

JMB :

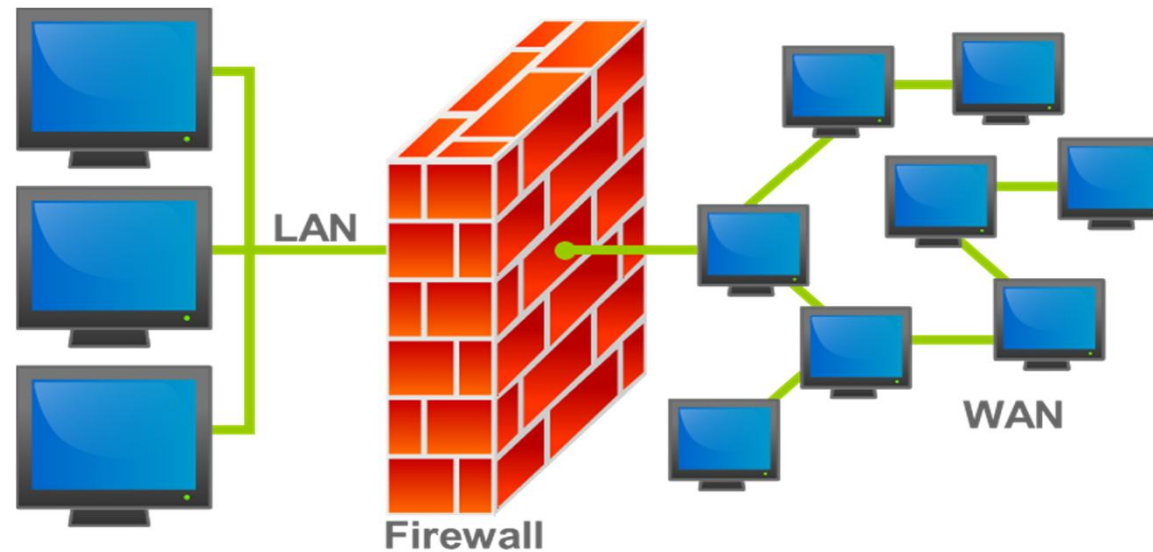
Za pretragu morate unijeti tačne podatke, nećete biti rezultata pretrage, te ćete biti



Digital Microtargeting
Political Party Innovation Primer 1

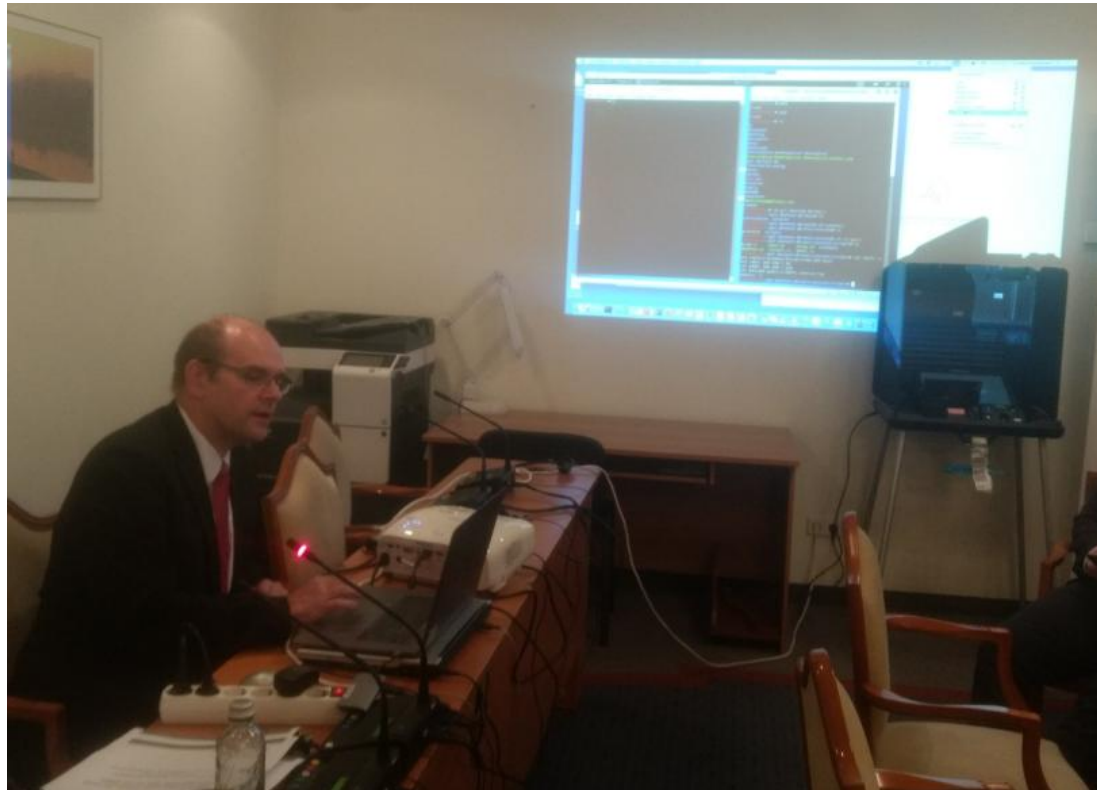


Digital Security in Elections: Keeping up with a cyber arms race





Security taken seriously enough?





New Questions

- How secure is secure enough?
- What are facts, what are rumors?
- Who is an expert, who a spoiler?
- How can stakeholders understand?



Judging Claims ...

```
Date,Source,Severity,Message
08/09/2017 02:03:45,Logon,Unknown,Login failed for user 'chebukati'.
Reason: The account is disabled. [CLIENT: <local machine>]
08/09/2017 02:03:45,Logon,Unknown,Error: 18470<c/> Severity: 14<c/>
State: 1.
08/09/2017 02:03:31,Logon,Unknown,Login failed for user 'sa'.
Reason: Password did not match that for the login provided. [CLIENT:
<local machine>]
08/09/2017 02:03:31,Logon,Unknown,Error: 18456<c/> Severity: 14<c/>
State: 8.
08/09/2017 02:03:18,Logon,Unknown,Login failed for user 'sa'.
Reason: Password did not match that for the login provided. [CLIENT:
<local machine>]
08/09/2017 02:03:18,Logon,Unknown,Error: 18456<c/> Severity: 14<c/>
State: 8.
08/09/2017 00:21:32,Backup,Unknown,Database backed up. Database:
IEBC_PRESIDENTIAL2017<c/> creation date(time):
2017/08/08(00:41:52)<c/> pages dumped: 522<c/> first LSN:
38:333:42<c/> last LSN: 38:352:1<c/> number of dump devices: 1<c/>
device information: (FILE=1<c/> TYPE=DISK: {'C:\Program
Files\Microsoft SQL
```

VS.



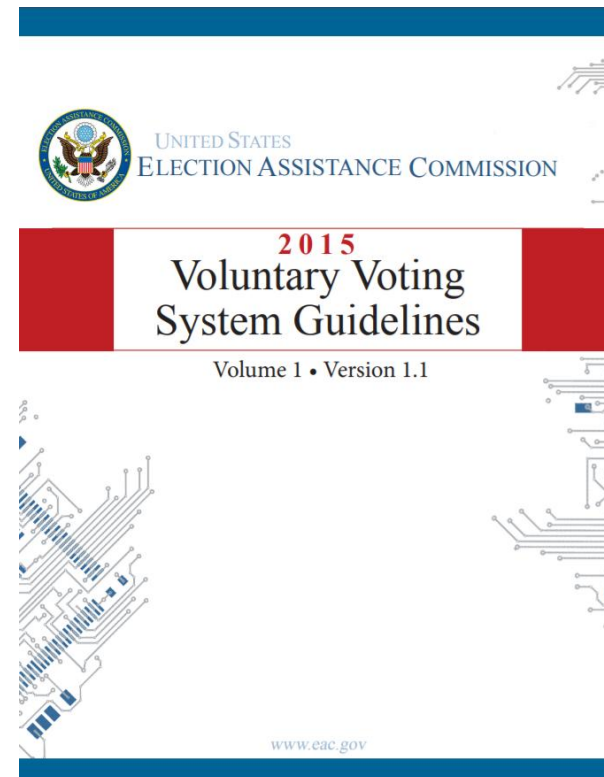


Need for agreed minimum standards and procedures

- Widely accepted
- Inclusive development & update
- Balancing security, privacy, accessibility, transparency
- Robust and explainable



Examples: Recommendations and Guidelines





Examples: Regulation (via GDPR & Critical Infrastructure)

4.5.2016

EN

Official Journal of the European Union

L 119/1

I

(Legislative acts)

REGULATIONS

**REGULATION (EU) 2016/679 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL
of 27 April 2016**

on the protection of natural persons with regard to the processing of personal data and on the free movement of such data, and repealing Directive 95/46/EC (General Data Protection Regulation)

(Text with EEA relevance)

THE EUROPEAN PARLIAMENT AND THE COUNCIL OF THE EUROPEAN UNION,

Having regard to the Treaty on the Functioning of the European Union, and in particular Article 16 thereof,

Having regard to the proposal from the European Commission,





An Ongoing IDEA Project ...

Inter-Agency Collaboration on Cyber Security in Elections

Introduction	4
Chapter 1: Overview of cyber risk factors in the electoral cycle	5
Definitions and scope	5
Chapter 2: approaches to manage and mitigate cybersecurity risks, including technical measures, contingency planning and communication strategies	7
Key challenges:	7



Thank You!