

# RIA & Elections

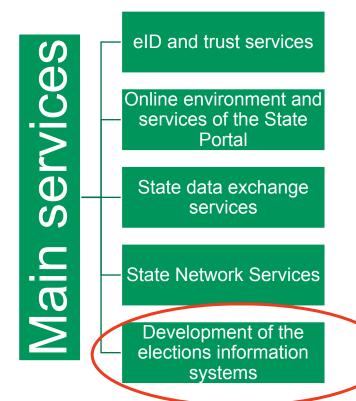
Alo Einla

**Director of Elections Infosystems Development** 

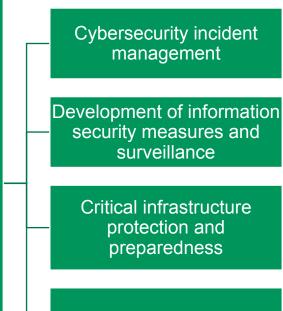
08.06.2024



#### Providing basic infrastructure and services of the e-state



#### **Ensuring cybersecurity**



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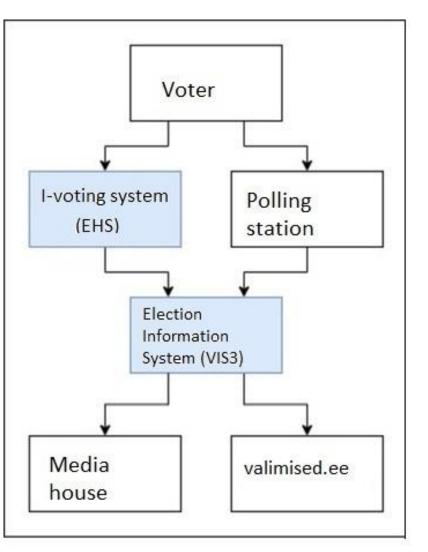
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- Analysis and policy-making



# **Voting Infosystems**



I-voting system (EHS), Election Information System (VIS) and

website displaying election results <u>www.valimised.ee</u>

### are three different systems



### **Cooperation is the Basis**

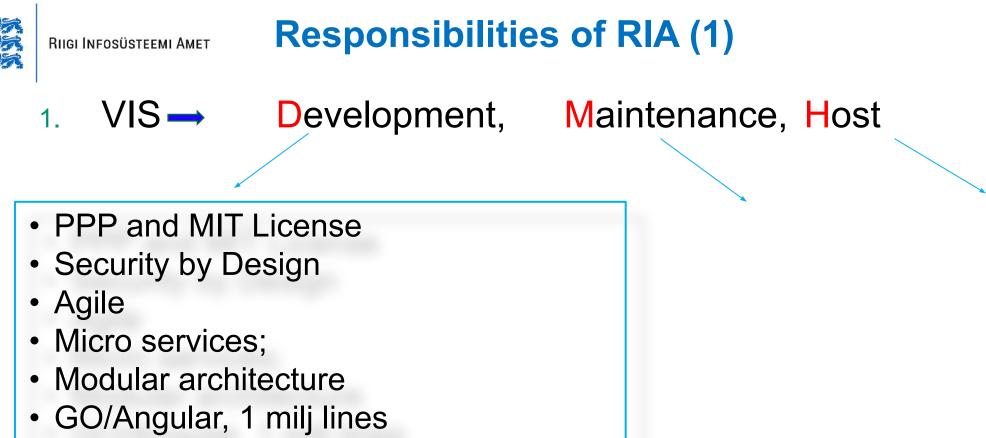
- 1. Statute of RIA
- 2. Contract (RIA, Ministry, Electoral Office)
- 3. Election Law *new*
- 4. We support 4 types of State Elections

Parliament; EP; Local Gov; Referendum + extraordinary



# **Responsibilities of RIA (1)**

- 1. VIS Election Information System
- Self service,
- Map web-application
- Results interface (API) to media houses
- Open data (big data, verify results)
- Electronic voters list (Population Register API)



• Open source code policy (EHS / V/S)



1.

### **Responsibilities of RIA (1)**

VIS ->

Development, Maintenance, Host

- 24/7 up & running
- Feedback
- Cont. dev.



1.

VIS ->

#### **Responsibilities of RIA (1)**

Development,

Maintenance, Host

High Availability (HA) database; Clusters; Claud; Hosting results web



# **Responsibilities of RIA (2)**

- 2. Collecting e-votes
- 3. Risk assessment (procedures, ISKE/EITS)
- 4. Cyber defence
- 5. Cyber hygiene
  - Trainings (parties, candidates, polling station workers
  - Cyber test (organisers, all state officials)
  - Security assessment for Parties, (IT systems)
  - Info campaigns for public
- 6. Testing (user, load, PEN, stress, integration, "play through", *red-teaming, bug-bounty, code review*)
- 7. User support (e-voting/polling station)



## **Responsibility of RIA (3)**

- 8. DDoS protection (distributed denial-of-service)
- 9. Operations phase -> High alert level
- 10. Data auditors / observers can check the correct functioning of the system.



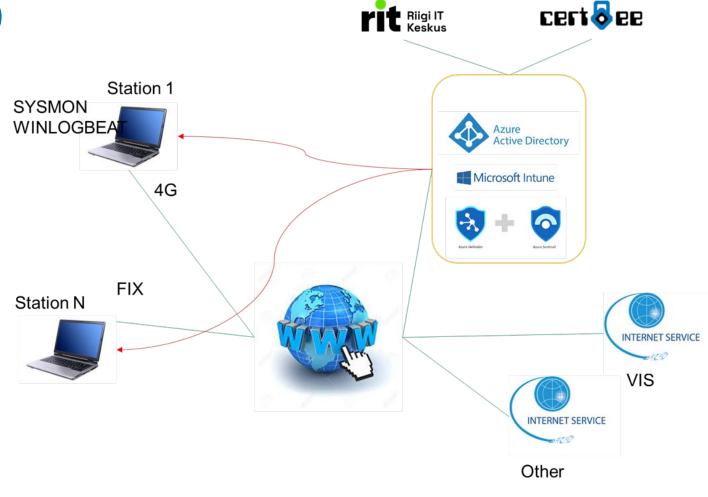
# **Responsibility of RIA (4)**

11. Polling station IT

Centrally:

- distributed of IT equipment (laptop, printer, bar-code reader)
- managed profiles
- managed support

secure connection monitoring traffic and logs



# **Thank You!**

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