

COORDINATION CENTER
FOR TLD .RU/.PF

Registration data in ccTLDs

methods of validation and authentication



cctld.ru | кц.рф

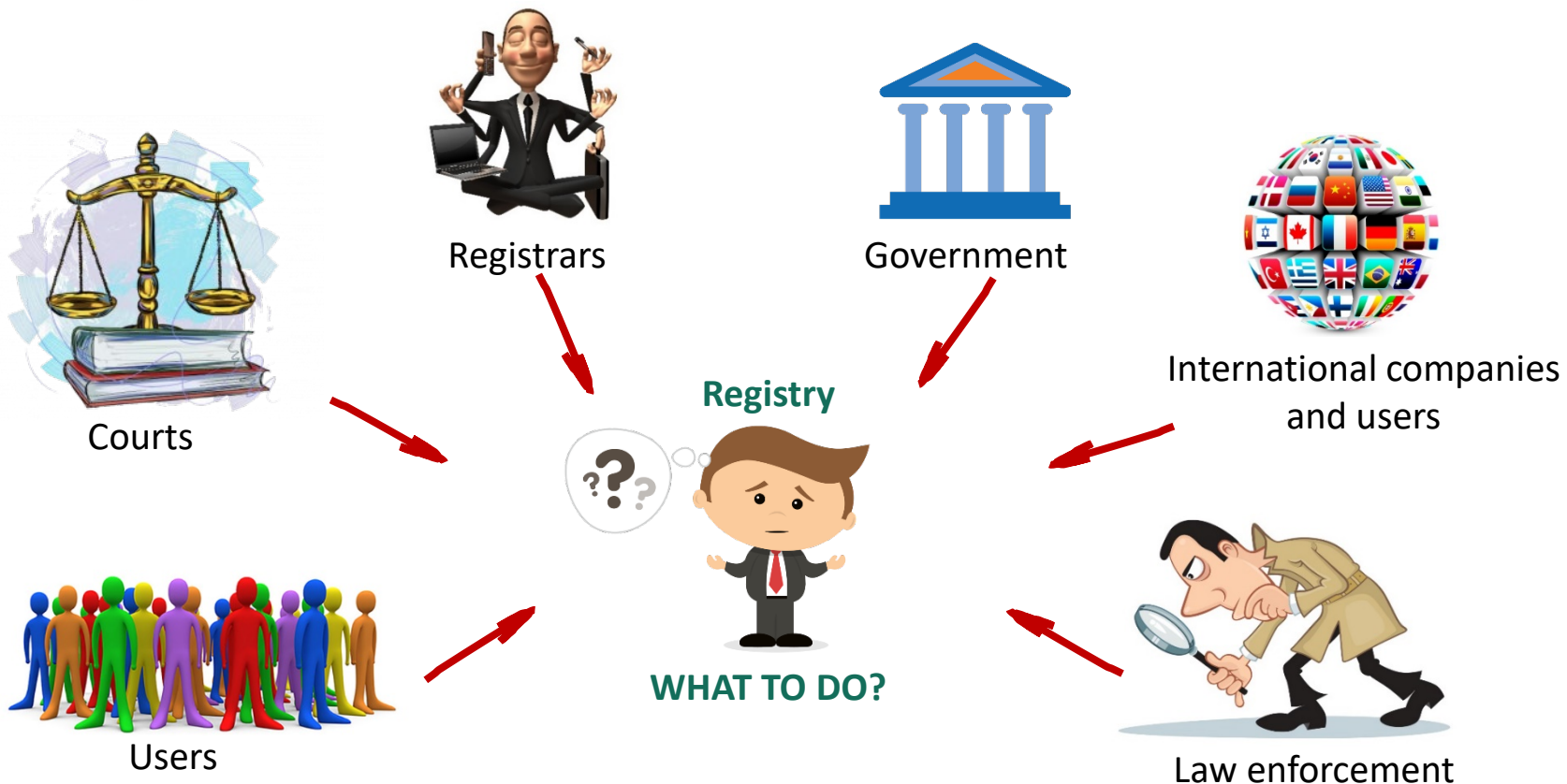


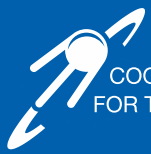
TLDCON 2019

Vilnius, Lithuania, September 11, 2019

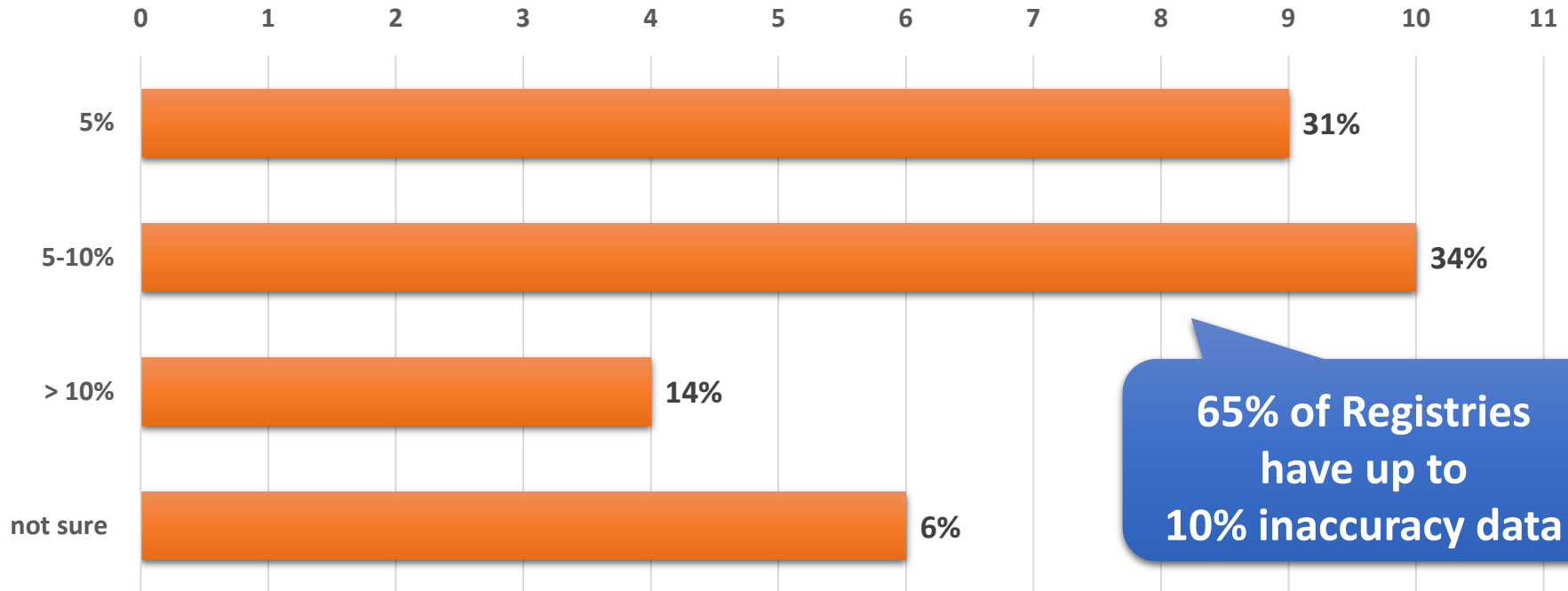


World trend: creation of trusted space





Inaccuracy registration data in European ccTLDs



Source: CENTR Survey *Quality of registrant data*, April-May 2019








Inaccuracy registration data in .RU

**According to analysis of .RU
April 2019**

- **20 000 user accounts**
- **16 581 unique accounts**
- **19% of accounts have incomplete registration data**
- **5% of accounts have incorrect registration or contact data**



Improving registration data

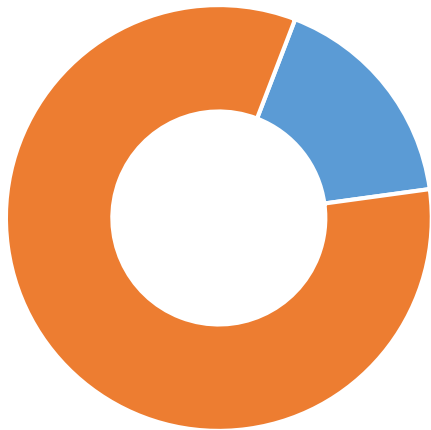
-  **Automatic validation of the data format before registration**
-  **Data validation before registration to filter fake accounts**
-  **Random data validation after registration**
-  **Data validation upon complaint receipt**
-  **Using official databases for data validation**



Practice of data validation

No data validation check

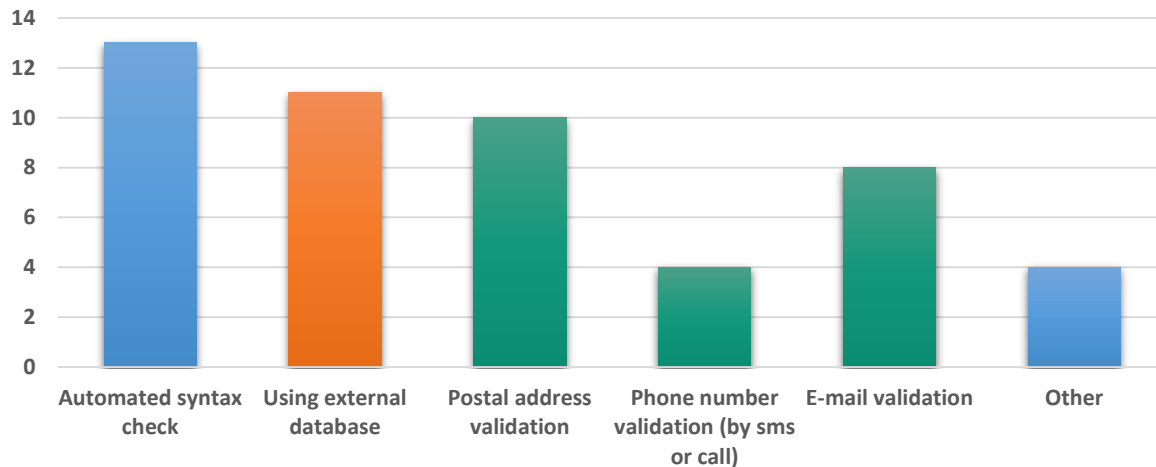
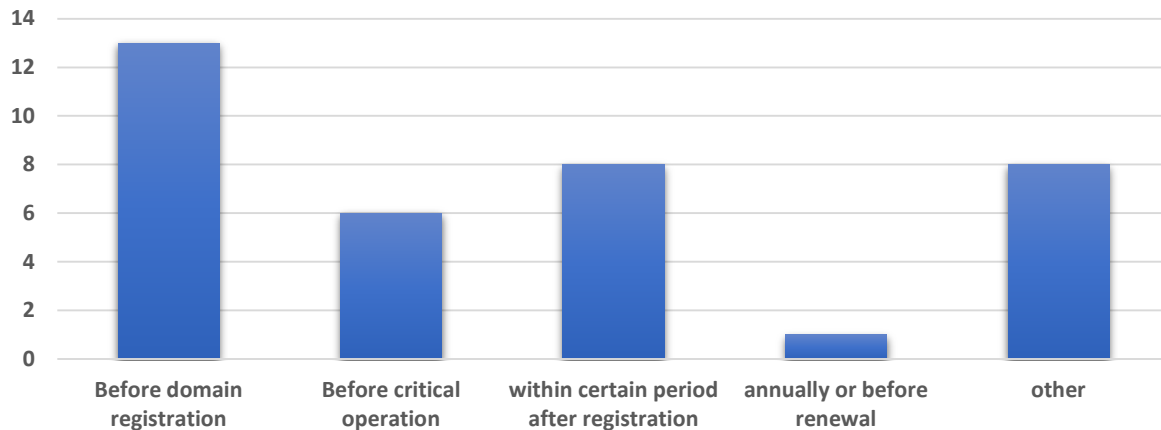
17%



83%

Does data validation check





Source:
CENTR Survey *Quality of registrant data*,
April-May 2019





Using external database

MANDAPORY

-  **.DK** NemID (for individuals and businesses)
-  **.BG** EGN for individuals & EIC for businesses
-  **.NO** Some identifiers, inc. BankID
-  **.EE** ID-card, Mobile-ID, Smart-ID

OPTIONAL

-  **.CZ** mojeID & eIDAS
-  **.DE** ID4me
-  **.CH** SwissID & NREN/Academic ID
-  **.PL** NASK or eIDAS
-  **.ES** NREN/Academic ID
-  **.NL** IRMA (soon)
-  **.RU** ESIA “Gosuslugi” (soon)



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FOR TLD .RU/РФ

Russia: Benefits of using of ESIA



- ✓ **Official state system of Russia**
- ✓ **Easy to use for law enforcement**
- ✓ **Over 60 million verified accounts (private person)**
- ✓ **Trusted and actively used by users (for paying tax, ordering public services, etc.)**
- ✓ **Simply connection for registrar (open source)**
- ✓ **Using of biometric in critical operation with domain name**

ЕСИА (ESIA) - unified identification and authorization system of Russia



The project started in March 2019

RU-CENTER connected to ESIA information environment in April 2019

→ IT WORKS!

```
"firstName": "Имя004" - Name (согласно scope: fullname)
"lastName": "Фамилия004" - Last name (согласно scope: fullname)
"middleName": "Отчество004" - Second name (согласно scope: fullname)
"urn:esia:subj:is_tru": true/false - account confirmation flag
"urn:esia:subj_id": 1000404864 - ESIA internal user ID
"urn:esia:subj:typ": "P" -
"exp": 1558547333 - expiration time of access token
"citizenship": "RUS" - Nationality
"type": "RF_PASSPORT" - type of identity document
"vrfStu": "VERIFIED" - document verification flag
"series": "0006", "number": "000102" - Number of identity document
"issueDate": "01.01.2018" - date of passport issue
"issueId": "006001", "issuedBy": "МВД001" - issuing authority
```

available in the
work environment

available in the
test environment



Login to your account:

test@test.ru

.....



User authorization is successful if

- 1) the user name in the registrar system matches the user name in ESIA
- 2) account confirmation flag is true

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госуслуги

госуслуги

Доступ к сервисам
электронного правительства



Предоставление прав доступа

NIC.RU Домены и хостинг

Отказать

Предоставить



According to regulatory framework only commercial organizations licensed for telematics or data transfer can connect to ESIA



**A limited set of fields is available for receipt
(name, ID, verification status)**



An expanded set of fields is available only to mobile operators for user identification purposes



Should we try to change the regulatory framework so that registrars without a license can get connection to ESIA too?



Should we try to change the regulatory framework so that registrars get an extend set of user data (inc. passport number...)?



Is it possible in the future for Registrar (or Registry) to storage only the user ID in ESIA instead full user data?



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Thanks!

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