RIPE NCC Update

RIPE NCC
RIPE NETWORK COORDINATION CENTRE

Hans Petter Holen | CAPIF 2 | 19 September 2023

Welcome to CAPIF 2

CAPIF 1 | 195 attendees | 15 countries.

BUILDING A COMMUNITY

NO VISA RESTRICTIONS

THREE LANGUAGES

OPPORTUNITY TO NETWORK

Hans Petter Holen | CAPIF 2 | 19 September 2023

About the RIPE NCC

OVER 20,000 MEMBERS

76 COUNTRIES

NON-PROFIT ASSOCIATION

30+ YEARS OF EXPERTISE

Together, let's shape the future of the Internet

How the RIPE NCC can help you

Manage Your Resources

Our Assisted Registry Check (ARC) will help you verify your resources are properly registered

Improve Network Security

We will support you in signing your ROAs and getting started with RPKI

Internet Measurement Data

Use our free, open tools like RIPE Atlas, RIPEstat, RIS and more to get insights

DNS and K-root

We operate the K-root server and work on improving the resilience of the Internet

RIPE Labs

Follow the latest on RIPE Labs - with articles from global experts as well as our own podcast.

Training and Certification

You can attend a training course, webinar, take an online course for free, and also get certified.

Fellowships and RACI

We offer Fellowships to participate in meetings and for academics to present their research.

Public Policy Engagement

We keep track of developments in relevant policies and share them with different communities.

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Why CAPIF Matters

TO UNLOCK CENTRAL ASIA'S POTENTIAL FOR REGIONAL INTERCONNECTION

TO ENABLE OUR MEMBERS AND COMMUNITY TO OPERATE ONE SECURE, STABLE AND RESILIENT GLOBAL INTERNET

Our Engagement in Central Asia

2017
Dedicated extra resources and engagement activities for Central Asia and the Caucuses

2020
Published the RIPE NCC Internet Country Report: Central Asia

2021
Virtual Peering Series (VPS-CA) organised with Euro-IX and the Internet Society

2022
RIPE NCC Days held in Tashkent, Uzbekistan

2022
First CAPIF Meeting held in Almaty, Kazakhstan

2023
Internet Measurement Day: Kyrgyzstan

On the Agenda at CAPIF 2

K-Root Launch

Connectivity in Central Asia

ROA Signing Party

Peering Bilateral Meetings

IXP Day

IPv6 Development Challenges

RIPE NCC Strategy 2022-26

1	Support an open, inclusive and engaged RIPE community
2	Operate a trusted, efficient, accurate and resilient Registry
3	Enable our members and community to operate one secure, stable and resilient global Internet
4	Maintain a stable organisation with a robust governance structure
5	Attract engaged, competent and diverse staff

1 **Community Engagement**
Enabling participation
Supporting development in different regions

2 **Trusted Registry**
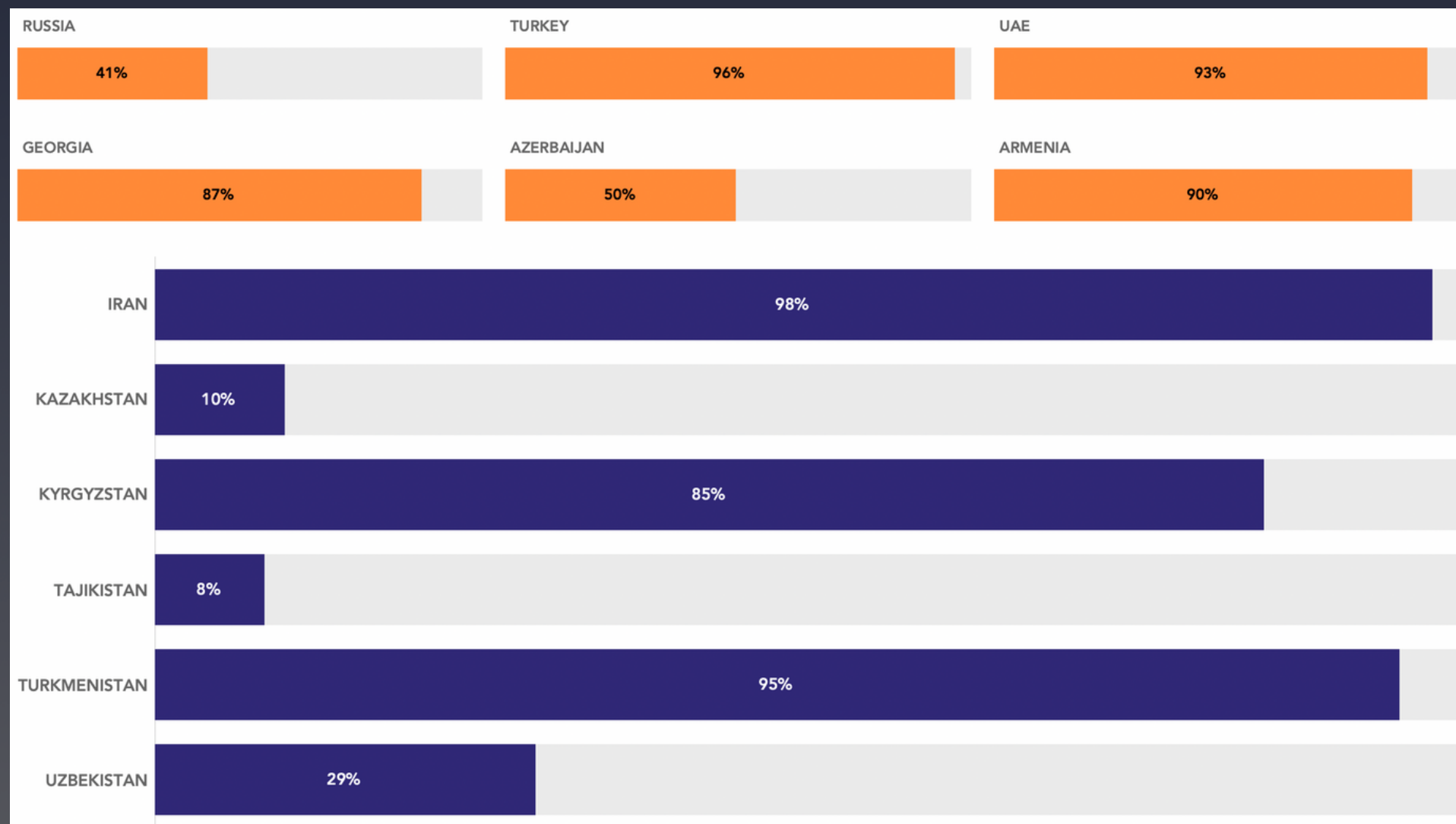Please speak to our onsite staff about queries related to your resources

3 **Secure, Resilient and Global Internet**
Promoting best practices, routing security, peering, improved measurements and IPv6

4 **Stability and Resilience**
Be resilient in the face of political, legislative and regulatory changes that have the potential to affect our operations.

Routing Security in Central Asia

We see improvements in routing security

RUSSIA 41%	TURKEY 96%	UAE 93%
GEORGIA 87%	AZERBAIJAN 50%	ARMENIA 90%

IRAN	98%
KAZAKHSTAN	10%
KYRGYZSTAN	85%
TAJIKISTAN	8%
TURKMENISTAN	95%
UZBEKISTAN	29%

National Entities

When national regulators and operators come on board, we see a huge uptake in signed ROAs.

Network Operators

By signing your ROAs, you protect your own resources.
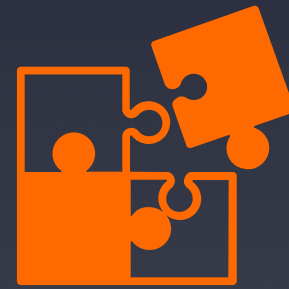
Global Benefits

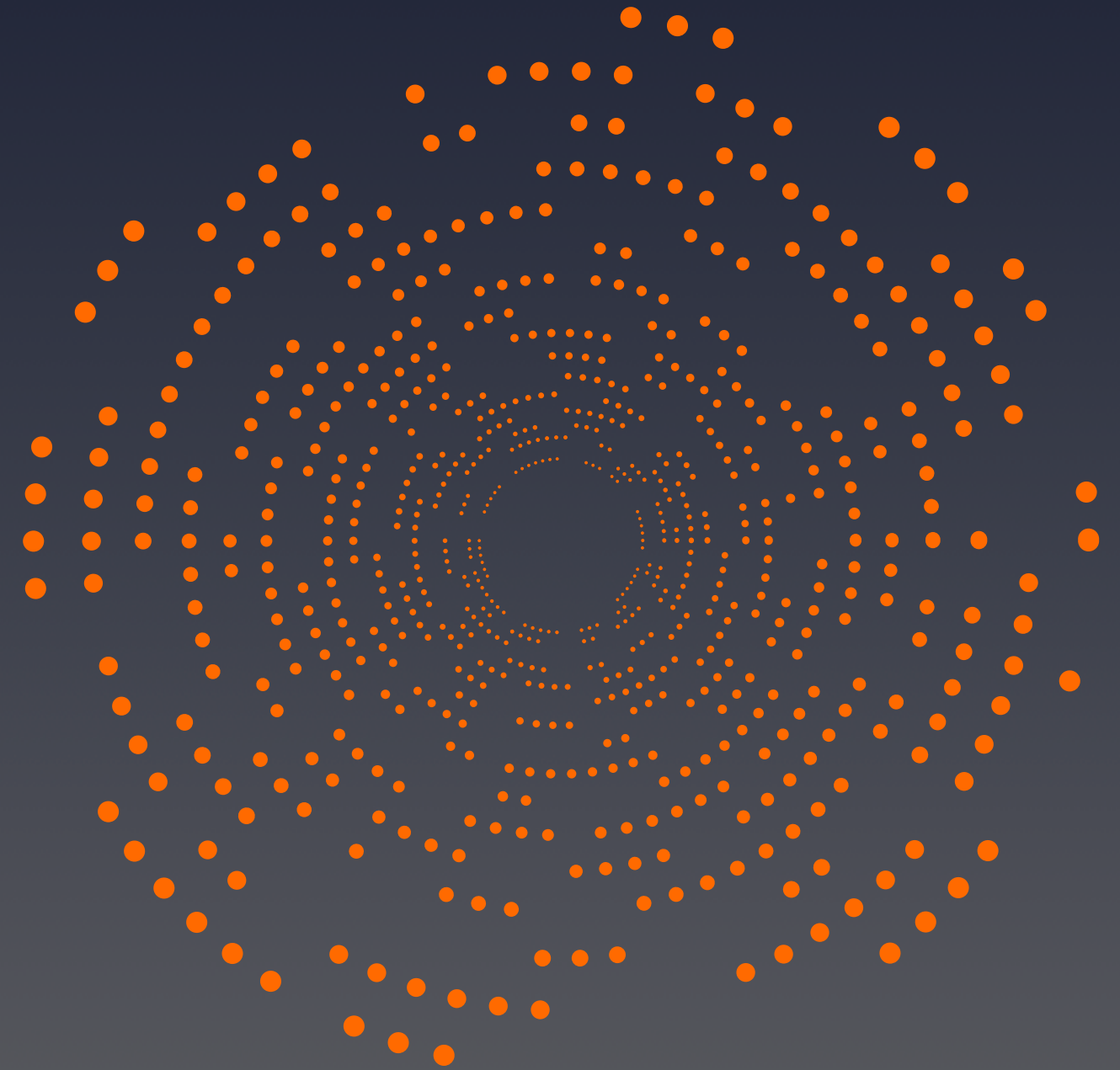Everyone benefits from greater network security.

ROA Signing Party

SIGN YOUR ROAs

We will guide you through the process of creating and signing Route Origin Authorisations (ROAs).
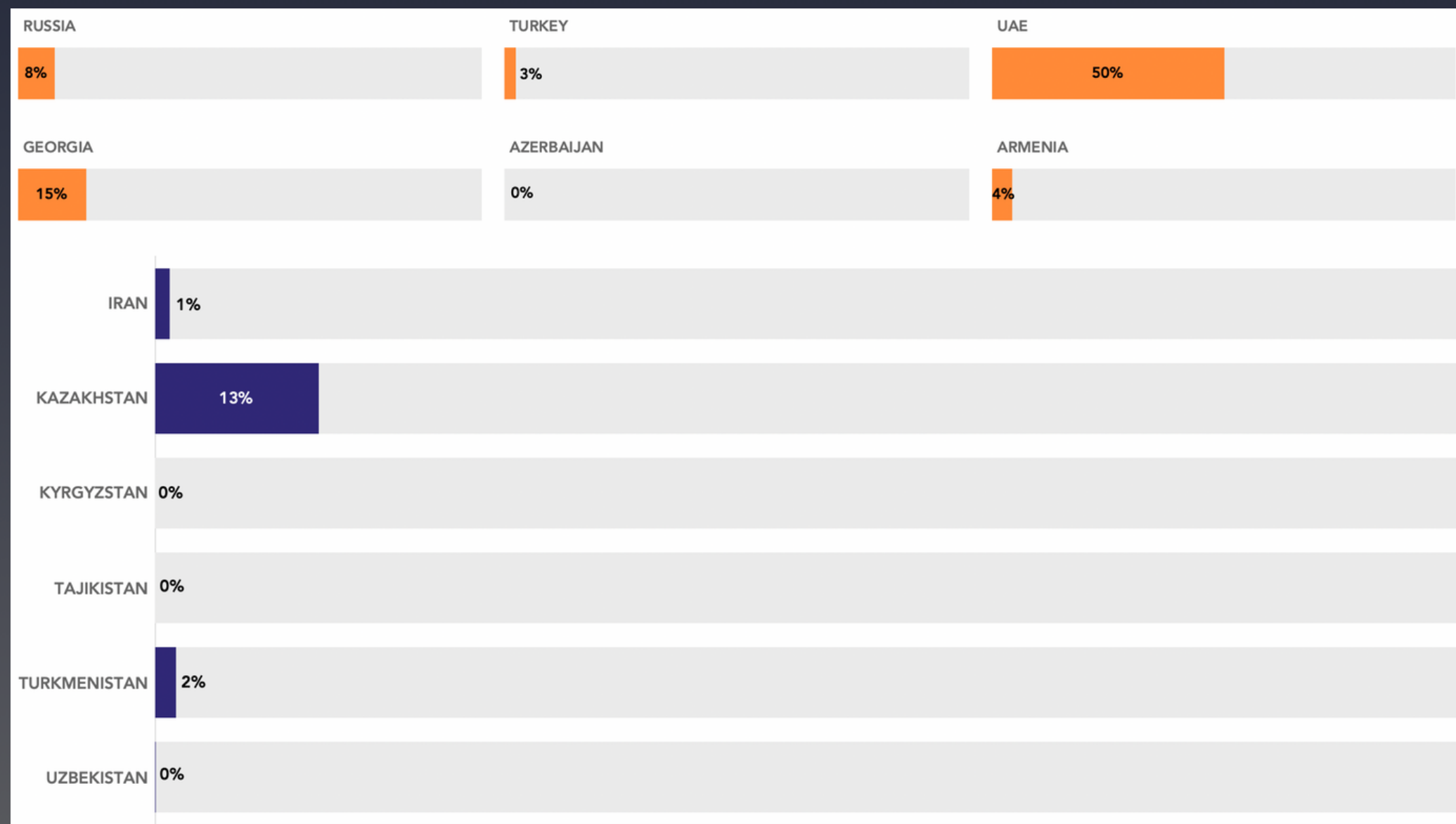
IMPROVE ROUTING SECURITY

You will hear deployment experiences and recommendations to improve your network's routing security.

IPv6 Deployment in Central Asia

There's a lot of potential yet to be tapped in IPv6 deployment...

RUSSIA	TURKEY	UAE
8%	3%	50%

GEORGIA	AZERBAIJAN	ARMENIA
15%	0%	4%

Country	%
IRAN	1%
KAZAKHSTAN	13%
KYRGYZSTAN	0%
TAJIKISTAN	0%
TURKMENISTAN	2%
UZBEKISTAN	0%

Need for IPv6
IPv6 allows you to scale up your network as needed.

IPv4 Scarcity
Central Asia has only 2.6% of the total IPv4 address space in the RIPE NCC service region.

IPv6 Resources
We can support you with knowledge and best practices on IPv6 deployment

Resilience in Change

A Note on Our Latest Sanctions Transparency Report

Athina Fragkouli — 14 Aug 2023

legal | country | governance | operational

23 ♡ 0 💬 ⌁ 🔖

We recently removed sanctions-related restrictions from 49 RIPE NCC members and End Users who can now access our services again. In this article we provide some background information to explain why this is.

EU exemption and clarification from the Dutch authorities

As part of its sixth package of Russian sanctions released in 2022, the EU regulations introduced an exemption concerning financial restrictions. The exemption reads:

> "[Financial restrictions] shall not apply to funds or economic resources that are strictly necessary for the provision of electronic communication services by Union telecommunication operators, for the provision of associated facilities and services necessary for the operation, maintenance and security of such electronic communication services, in Russia, in Ukraine, in the Union, between Russia and the Union, and between Ukraine and the Union, and for data center services in the Union."

After this exemption was introduced, the RIPE NCC asked the Dutch authorities to clarify whether this exemption applies to Internet number resources. In April 2023, we received an official confirmation that it does (this was announced to the RIPE NCC membership shortly afterwards).

Sanctions
The Dutch authorities have confirmed that an exemption applies to the RIPE NCC and its members.

Dubai Entity
We are looking into establishing a legal entity in Dubai.

Public Policy Engagement
We continue to engage with governments and regulators in our service region.

Presentations by Our Staff

Alex Semenyaka
Using RIPE Atlas to determine quality of services

Jelena Cosic
Mapping Central Asian connectivity

Vahan Hovsepyan
Moderator

Ties de Kock
RPKI Update

Meet Our Team at CAPIF 2

Hans Petter Holen
Managing Director and CEO

Hisham Ibrahim
Chief Community Officer

Alex Semenyaka
Community Development

Jelena Cosic
Community Development

Tatiana Orlova
Registry Services

Eamonn Lane
Registry Services

Wan-Min Huang
Event Coordinator

Gergana Petrova
Community Development

Vahan Hovsepyan
Community Development

Ties de Kock
RPKI

Ondrej Caletka
Tech team

Anastasiya Pak
Communications

Ulka Athale
Communications

Kajal Ince
Event Support

Antony Gollan
Communications

Pedro Vaz
Learning & Development

Evelien Schilder
Learning & Development

Also Attending CAPIF 2

Share your input with the RIPE NCC Executive Board.

Piotr Strżyzewski
RIPE NCC
Executive Board

Programme Committee

Akmal Arifjanov

Alex Semenyaka

Bijal Sanghani

Fearghas McKay

Gergana Petrova

Hisham Ibrahim

Kevin Meynell

Massimiliano Stucchi

Talant Sultanov

Vahan Hovsepyan

Zafar Davlatov

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Questions ❓

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