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THURSDAY, 17 DECEMBER 2020
14:00 – 15:00 (CET)

 **POST**
WEBINAR



LESSONS LEARNED FROM
CYBERSECURITY BOOTCAMP





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The webinar is in **ENGLISH** – you may also chat in **FRENCH**

Participant phone lines will be **MUTED** (to reduce noise)

Use the “**CHAT**” feature to ask **QUESTIONS**

Questions will be answered after the speakers presentations

The **SLIDES** and **RECORDING** will be available after the session



WELCOME

● Introduction



COSIMO BIRTOLO
Chair of .POST Group



PAUL DONOHOE
Secretariat



WELCOME

● **Course Leader**



Mr Shehzad Mirza
Global Cyber Alliance
Director of Operations





Cyberattacks:

The **2nd most** concerning risk to doing business over the **next 10 years**



Source: *Regional Risk of Doing Business 2019*, World Economic Forum

COVID-19-Related Threats in Q1 2020

▷ **907K**

Total spam messages related to COVID-19

▷ **737**

Detected malware related to COVID-19

▷ **48K**

Hits on malicious URLs related to COVID-19

▷ **220x**

Increase in spam from Feb. to Mar 2020

▷ **260%**

Increase in malicious URL hits from Feb. to Mar 2020

Based on the assessment results, the ITSEP identified **five key areas** that UPU member Posts can prioritize to improve the security of the international mail system:



Establish a formal **cybersecurity programme**



Identify and address **third-party cyber risks** to your organization



Implement a cybersecurity **awareness and training programme**



Identify organizations that can safely share and receive **threat information**



Create and manage an **inventory** of information assets



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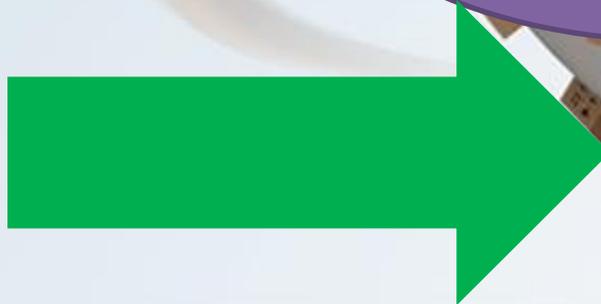
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Postal
Security

Physical
Security

IT Security

Cyber
Security





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SECURITY



TRUST & CYBERSECURITY



A trusted space
managed by the UPU





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**gives an new layer of
cyber protection for
your internet services**





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Protecting the cyber assets of the postal sector



Approaching Cybersecurity of Posts



- Policies
- Monitoring
- Cyber Incident Response Team (CIRT)
- Skills development



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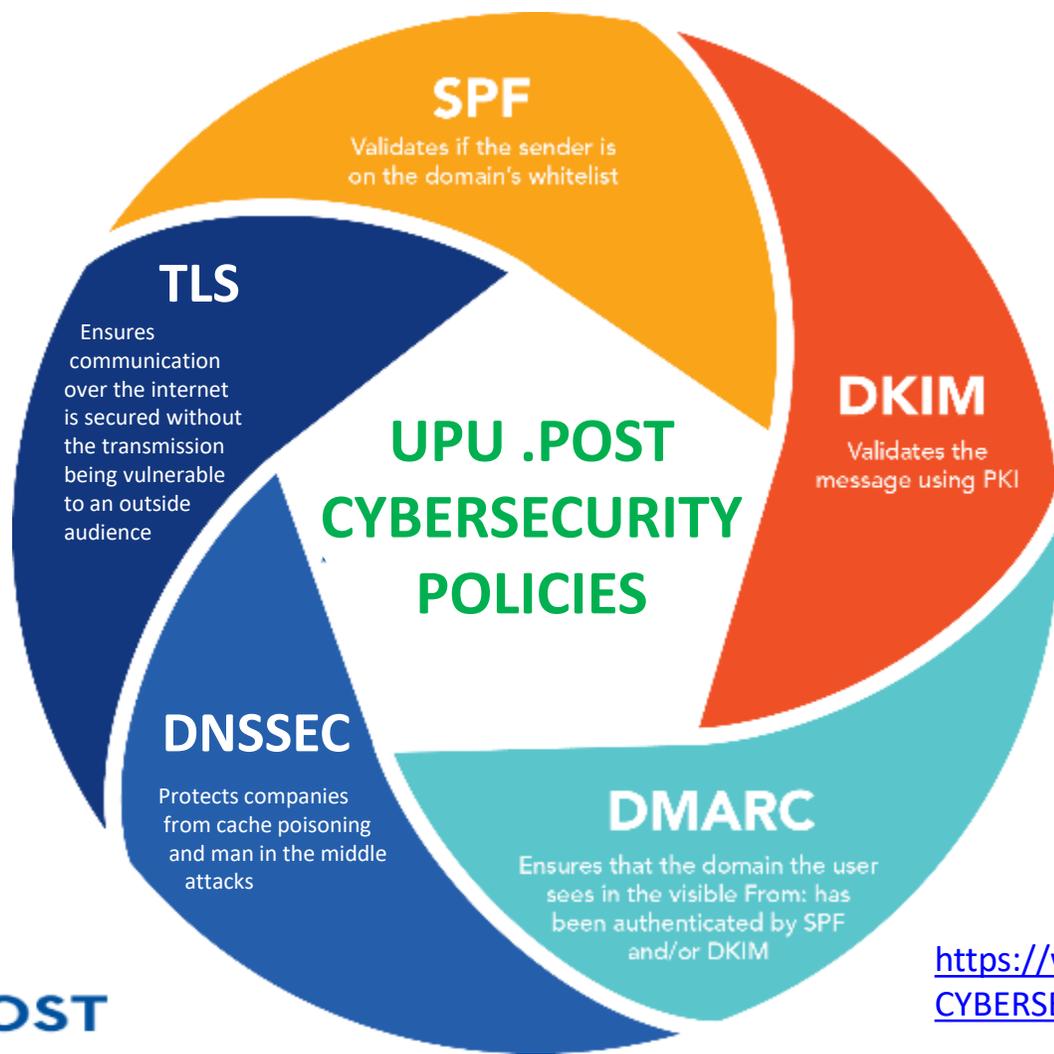
Postal sector Cybersecurity Policies



UPU approved cybersecurity policies

The screenshot shows a web browser window with the URL [upu.int/en/Universal-Postal-Union/Activities/Digital-Services/-POST-Domain#scroll-nav_4](https://www.upu.int/en/Universal-Postal-Union/Activities/Digital-Services/-POST-Domain#scroll-nav_4). The page title is ".POST policies". Below the title, there is a paragraph: "As the sponsor of .POST, the UPU and its bodies, including gov representatives, are responsible for developing, maintaining a .POST policies." Below this paragraph, there are four blue buttons with white text: "Domain Management Policy", "Reserved na", "Security_policy" (circled in orange), and "Uniform Disp".

<https://www.upu.int/en/Universal-Postal-Union/Activities/Digital-Services/UPU-CYBERSECURITY-FRAMEWORK>



.POST PROTECTS YOU IN 5 WAYS

- 1) Protection against Denial of Service attacks (DDOS protection)**
- 2) Protection against your domain being hijacked and spoofed (DNSSEC)**
- 3) Protection against malicious emails from your domains (DMARC, SPF and DKIM)**
- 4) Encryption required for all .POST websites (HTTPS & TLS)**
- 5) Verified domain (VERIFIED BY UPU)**

<https://www.upu.int/en/Universal-Postal-Union/Activities/Digital-Services/UPU-CYBERSECURITY-FRAMEWORK>



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Monitoring



UPU Anti-abuse domain monitoring

UPU is monitoring **.POST** for abuse such as **phishing**, **spam**, **botnets**, and **malware** by continuously scanning different sources (third party and internal).

The screenshot shows the 'mambo+' dashboard with a navigation bar containing 'Dashboard', 'Domain Views', 'Abused Domains', and 'Configuration'. The user is identified as 'Paul Donohoe Registry' with a 'Logout' button. The main content is split into two panels: 'Your Ranked Domains' and 'Abuse Cases in Your Portfolio'. The 'Your Ranked Domains' panel contains a table with the following data:

DOMAIN	RANK
ems.post	19,998 ▲
southafricanpostoffice.post	98,046 ▲
postnl.post	102,098 ▼
cypruspost.post	503,618 ▼
ptc.post	588,031 ▼

The 'Abuse Cases in Your Portfolio' panel displays the message: 'No abuse has been detected in your portfolio.'

0 domains have been reported as abused under .POST



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3





CIRT (Cyber Incident Response Team)



CIRT (Cyber Incident Response Team)

This team is responsible for responding to security policy breaches and other incidents in .POST registrations.

In addition to technical specialists capable of dealing with specific threats, it could include experts who can provide appropriate communication in the wake of such incidents.

The CIRT normally operates in conjunction with the .POST team, communicating to Registrars and Registrants on the incidents, the impact and how to correct them.



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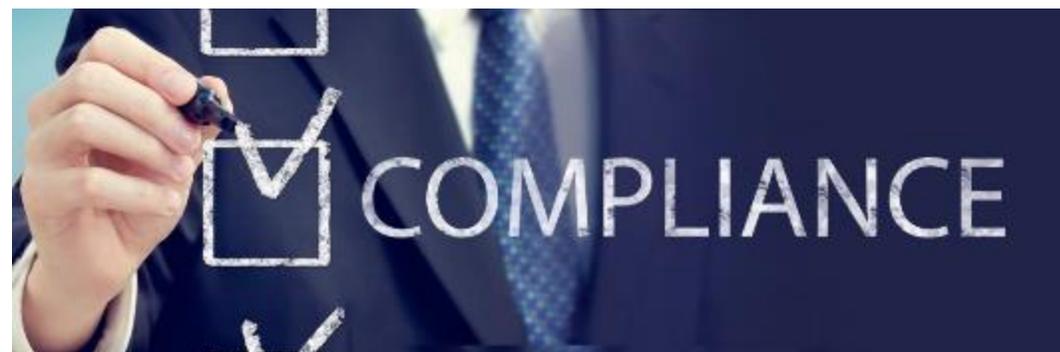
Skills development



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Technical Assistance





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Cyber Readiness

Capacity Building for Postal Operators



GLOBAL
CYBER
ALLIANCE™

DEFEND & DELIVER

DMARC

Email authentication for better email security

ONLINE BOOTCAMP 15 September 2020



All IT and security practitioners are urged to join this technical bootcamp series with tools and resources to improve your email security.



RESULTS

5

WEEK COURSE

17

COUNTRIES

49

Registered to participate



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Registered participants

Aruba

Botswana

Cameroon

Cote d'Ivoire

Eswatini

Ethiopia

Guyana

Italy

Malawi

Mauritania

South Africa

Zimbabwe

Nigeria

Thailand

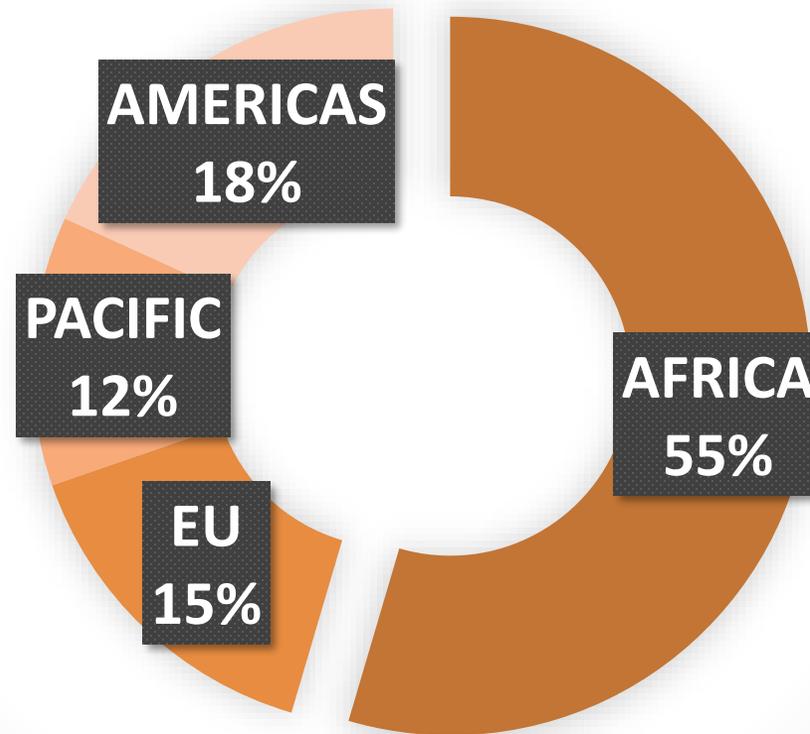
Tunisia

USA

IB



POSTAL PARTICIPANTS



Bootcamp Overview

- **Week One: Getting Started**
 - **Sept 15th**: Webinar - BEC and DMARC in a Nutshell
- **Weeks Two and Three: Time to Implement!!**
 - **Sept 22**: What are SPF and DKIM?
 - DMARC in Detail and Online Technical Demos
 - **Tuesday, Sept 29th** - demo of Window DNS
 - **Wednesday, Sept 30th** - demo Linux DNS
 - **Thursday, Oct 1st** - demo of Cloud DNS
- **Week Four: Ongoing Management**
 - **Oct 6th**: DMARC Reporting & Analysis: What Happens Next
- **Week Five: Wrap-up Session**
 - **Oct 13th**: Bootcamp Review and Additional Protocols



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The screenshot shows a web browser window with the following elements:

- Browser tab: Learn About DMARC - DMARC | x
- Address bar: dmarc.globalcyberalliance.org/dmarc-bootcamp/
- Navigation bar: Global Cyber Alliance | Community Forum | DMARC Leaderboard | [CLICK TO SETUP DMARC →](#)
- Header: **DMARC** | Search icon | Menu icon
- Main content area (dark blue background):
 - Image: A shield with a laptop and an envelope icon, flanked by two swords.
 - Text: **DEFEND & DELIVER**
 - Section Header: **DMARC Bootcamp 2020**
 - Text: On September 15, 2020 GCA kicked off a five-week DMARC Bootcamp. The recorded webinars and other important resources are being collected on this page for anyone's use. If you have any questions or need assistance, please contact gca-dmarc@globalcyberalliance.org.





Certificates

Four experts completed the entire course and were awarded completion certificates

Country	Expert
Ethiopia	Haile, Kibret Mamo
Italy	Birtolo, Cosimo
Cote d'Ivoire	Tano Koudio Meah, Jean-Claude
Guyana	Williams Troy, Patrick



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ROUNDTABLE



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CONCLUSION



Your views are important to us!

The DPG secretariat will send you a link to an evaluation questionnaire to gather your views on today's seminar

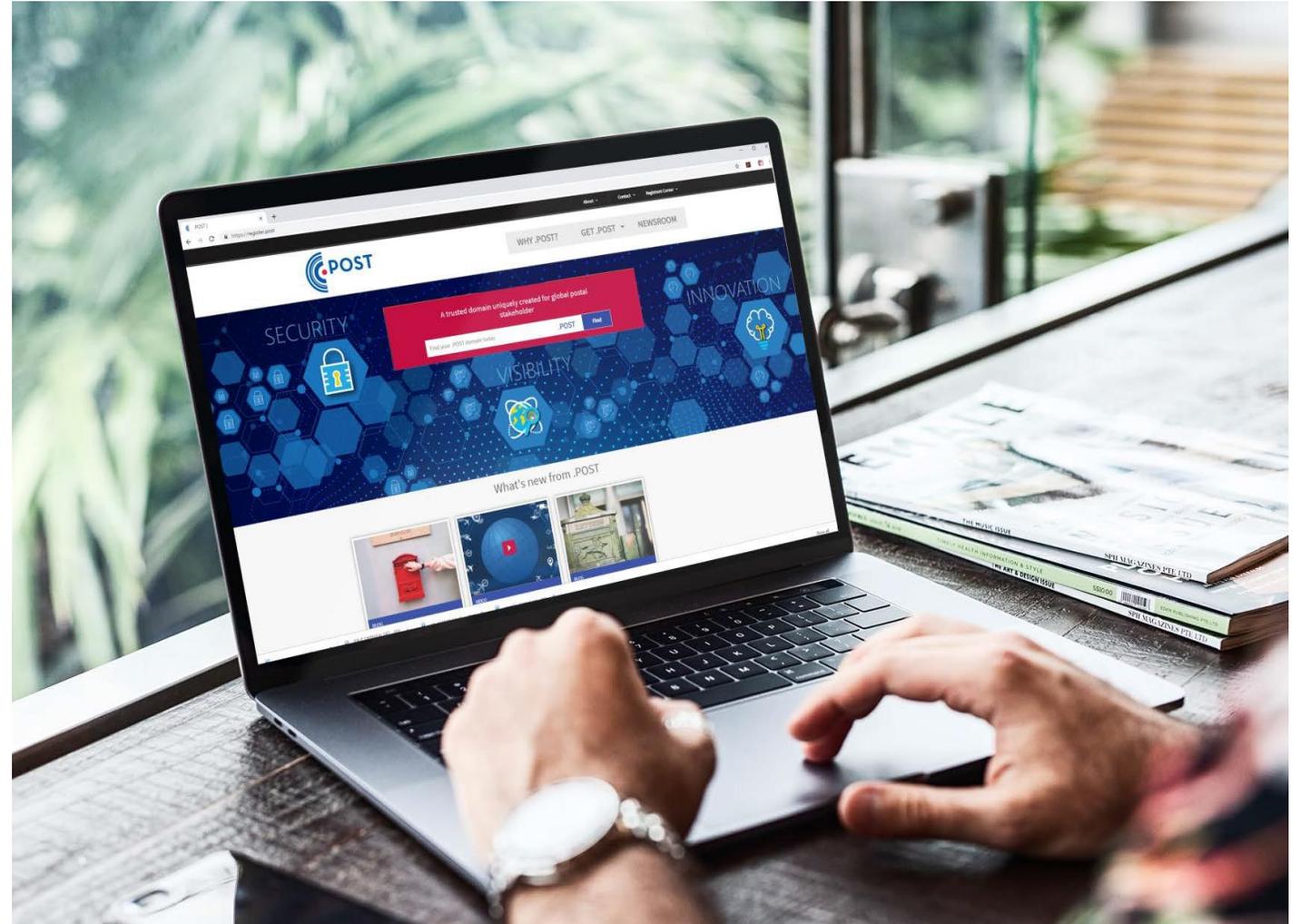
Please give us your comments so that we can improve future events

<https://www.surveymonkey.com/r/X9KG9G5>



.POST

1. TRUST and SECURITY
2. VISIBILITY and BRANDING



www.register.post

www.upu.int



Register your domain now

Submit your request at <https://apply.info.post>

3 easy steps and you are done

Registration process overview

Registering your .POST domains is a 3-step process:

- 1. Application:** apply for your Community ID at <https://apply.info.post>
- 2. Authentication:** verification process and issuing of your Community ID
- 3. Registration:** register your domain name providing all the requested information

The .POST team is available at any time to assist you.



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CONTACT US



secretariat@info.post



www.register.post

www.upu.int/en/Universal-Postal-Union/About-UPU/Cooperatives-Boards/-POST-Group



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Boas Festas
İyi Tatiller

Joyeuses fêtes!
Счастливых праздников!

Happy Holidays
节日快乐！

كل عام وأنتم بخير
¡Felices Fiestas!

**Happy holidays and best wishes from the UPU .POST TEAM
for a safe, healthy and prosperous festive season!**

SEE YOU IN 2021

