SENADO FEDERAL

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11. Identificação do Evento

Data de Início	Data de Término	Processo	Local
25.06.23	30.06.23	0200.0112 97/2023-87	Suécia e Finlândia

Participante

Nome	Ramal	E-mail
Irajá Silvestre Filho	6472	sen.iraja@senado.leg.br

12. Objetivo
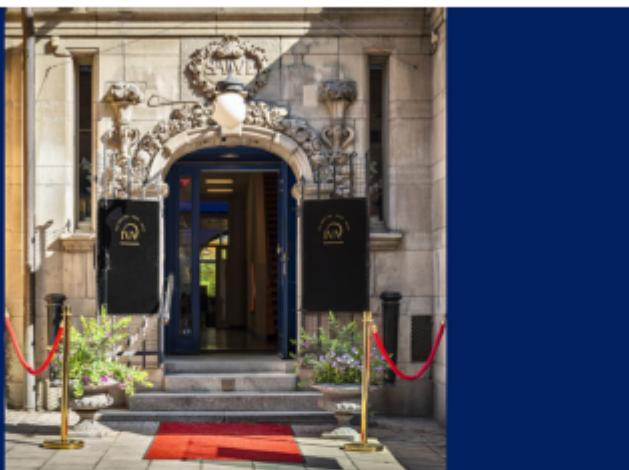
Missão Oficial, referente ao Evento Global da Ericsson junto com a delegação do Ministério das Comunicações, Suécia e Finlândia. No período de 25.06 a 30.06.23

13. Relatório das atividades e dos temas tratados

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Main hall – Morning session
Monday June 26, 2023

08.00 – 08.30	Registration and morning tea - networking
08.30 – 10.30	**Welcome and introduction** - Andrew Lloyd, Vice President and Head of Government & Policy Advocacy, Ericsson **Keynote: Perspectives from India** - Dr. P D Vaghela, Chairperson, TRAI, India **Keynote: Perspectives from Brazil** - Juscelino Filho, Minister, Ministry of Communication, Brazil **Keynote: Perspectives from Country** - Speaker tba
10.30 – 11.00	Coffee break - networking
11.00 – 11.25	**Keynote: Technology perspectives** - Erik Ekudden, Senior Vice President & CTO, Ericsson
11.25 – 12.15	**Panel debate: How will a new market structure based on open APIs influence regulation?** Is existing telecom regulation robust enough to fit in also in this new market structure, or does it need to change? Which are the main pressures for change that we can see now? Chair: Dr. Carl Jeding, Director, Government and Industry Relations, Ericsson - Artur Coimbra, Commissioner, ANATEL, Brazil - Christer Boberg, Director Service Layer Technologies, Ericsson - 4-5 speakers
12.15 – 13.30	Lunch - networking

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Main hall – Afternoon session
Monday June 26, 2023

13.30 – 15.00	**Broadband for all in Sweden** - Dan Sjöblom, Director-General, PTS, Sweden **Broadband for all in Country A** - Speaker tba **Broadband for all in Country B** - Speaker tba **Cyber security presentation** - Speaker tba
15.00 – 15.30	**Coffee break - networking**
15.30 – 16.00	**Developments in Spectrum Management for Communication Services** - Verena Weber, Head of the Communication Infrastructures and Services (CISP) Unit, OECD
16.00 – 17.00	**Panel debate:** **Searching for Spectrum – 5G, 5G Advanced, 6G and satellite** • The future of 5G – spectrum limitations for commercial and enterprise use cases • Spectrum for 6G – thinking ahead for timely availability • Spectrum sharing – a substantial enabler, wishful thinking or something in-between? Chair: Sverker Magnusson, Head of Spectrum & Technology regulations, Ericsson - Eric Fournier, RSPG Chair and Director for Spectrum Planning and International Affairs, ANFR, France - 4-6 panelists
17.00 – 17.10	**Concluding remarks** - Andrew Lloyd, Vice President Government & Policy Advocacy, Ericsson

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Informal interagency security dialogue
Monday June 26, 2023

This is a session uniquely tailored for invited official quests attending the BB4ALL 2023 to discuss and exchange experiences on cybersecurity topics including, 6G security, security of submarine cables from the perspective of strategic autonomy, national security and high-risk suppliers.

Host: Henrik Christiansson, Head of unit for protective security (protection of national security) at The Swedish Post and Telecom Authority (PTS)

Confirm attendance to: BB4Asecurity@pts.se

PTS Contacts for further information:

James Christie
Strategic Advisor Cybersecurity
Swedish Post and Telecom Authority (PTS)
Department for Secure Communications
E-mail: james.christie@pts.se

Ola Bergström
Director for International Affairs
Swedish Post and Telecom Authority (PTS)
International Affairs
E-mail: ola.bergstrom@pts.se

Location
Royal Swedish Academy of Engineering Sciences (IVA)
Grev Turegatan 16
Stockholm

Room:
Wingqvist, F2
16.00 – 17.00

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Program – Day 2
Tuesday June 27, 2023

We are pleased to offer several activities that you can select from to match your interests and thereby ensure maximum value of your visit to Stockholm. On request we can also arrange for other meetings to respond to specific needs.

Your individual program will be created based on your choice of activities:
- Bilateral meeting with the **Swedish Regulator PTS**
- Multi-party dialogue with Ericsson about the **ITU leading up to the WRC-23**
- Bilateral meetings with **Ericsson experts** in the fields of spectrum and technology
- **A Technology briefing** including technology demonstrations
- A lunch presentation about 5G for **Autonomous Shipping** Port of Livorno
- **A PTS Spectrum seminar** on spectrum
- Seminars, demonstrations, roundtable and bilateral meetings on **5G Security**

PTS HQ
Hälsingegatan 38
Stockholm City

Ericsson
Ericsson Imagine Studio
Grönlandsgatan 8
Kista, Stockholm

Bilateral meetings

11.00 – 17.00 PTS Headquarter	PTS bilateral meeting – regulations (general) – 40 min - Dan Sjöblom, Director-General, PTS

08.00 – 09.00 Room: Nanjing	Multi-part dialogue about the ITU study period leading up to the WRC-23 - Sverker Magnusson, Head of Spectrum & Technology Regulation, Ericsson - Dr. Håkan Ohlsén, Director, Standards & Industry - APAC, Ericsson
09.00 – 12.00 Room: Lewisville	PTS bilateral meeting – regulations (spectrum) – 40 min - Jonas Wessel, Director of Spectrum Department, PTS - Anna Becklus, Head of Spectrum Analysis Unit, PTS
09.00 – 17.00 Room: Nanjing	Bilateral meeting – Spectrum & technologies – 40 min - Sverker Magnusson, Head of Spectrum & Technology Regulation, Ericsson
12.00 – 13.00	Lunch is served at the Ericsson Imagine Studio – Open Box

Technology briefing
Tuesday June 27, 2023

Ericsson

Ericsson Imagine
Studio
Grönlandsgatan 8
Kista, Stockholm

6G will build on the strengths of 5G, but it will also provide entirely new technology solutions. Around 2030 is a reasonable time frame to expect the very first 6G networks to appear.

By that time, society will have been shaped by 5G for 10 years, with lessons having been learned from 5G deployment, and new needs and services appearing. Even with the built-in flexibility of 5G, we will see a need for expanding into new capabilities. This calls for further evolution – following the pull from society's needs and the push from more advanced technological tools becoming available – that must be addressed for the 6G era when it comes.

5G New Radio and 5G Core evolution is continuing in 3GPP toward 5G Advanced, to ensure the success of 5G systems globally and to expand the usage of 3GPP technology by supporting different use cases and verticals. Artificial Intelligence/Machine Learning will play an important role in 5G Advanced systems, in addition to other technology components, to provide support for advanced digitalization, extended reality, and network energy efficiency.

This briefing will address the latest developments in research and the evolution of networks to meet the future requirements on user services and network efficiencies.

Room:
Studio
Auditorium
09.00 – 12.00

08.30 – 09.00	Registration and morning tea
09.00 – 09.10	Welcome and introduction - Mikael Halén, Director, Government & Policy Advocacy, Ericsson
09.10 – 09.40	6G Research and standardization update - Patrik Persson, 6G Program Director, Ericsson Research
09.40 – 10.10	Artificial Intelligence in mobile infrastructure - Caroline Jacobson, Head of system management, Global AI Accelerator, Ericsson
10.10 – 10.30	Coffee break and networking
10.30 – 11.00	Open APIs for advanced digitalization - Christer Boberg, Director, Service Layer Technologies, Ericsson
11.00 – 12.00	Technology demonstrations
12.00 – 13.00	Lunch is served at the Ericsson Imagine Studio – Open Box

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Ericsson
Ericsson Imagine
Studio
Grönlandsgatan 8
Kista, Stockholm

Room:
Open Box

13.00 – 14.30

PTS Spectrum seminar
Tuesday June 27, 2023

Sweden is one of the leading countries when it comes to progressive spectrum management. The Swedish market is in many regards unique even though it shares many regulatory challenges with the rest of the world. The Radio Spectrum Policy Group (RSPG) is the key EU advisor consisting of the relevant authorities from all 27 EU member states.

Spectrum management is in many ways a truly global issue. In the run-up to WRC23, PTS will share the latest news and information on what is happening on EU and national level when it comes to spectrum.

There will also be time for a Q&A session.

13.00 – 13.30	Jonas Wessel, Director of Spectrum Department, Swedish Post and Telecom Authority, PTS
13.30 – 14.00	Anna Beckius, Head of Spectrum Analysis Unit, Swedish Post and Telecom Authority, PTS
14.00 – 14.30	Q&A and discussion

Ericsson

Ericsson Imagine Studio
Grönlandsgatan 8
Kista, Stockholm

Room:
Melbourne
09.00 – 11.00

Room:
Melbourne
13.00 – 17.00

Seminars:

Security – Main track

Tuesday June 27, 2023

Advances in connectivity such as through the deployment of 5G create extended opportunities for digitization of all sectors of economy and public sector services and utilities. To harness this development security needs to be an integral part of the digitization process. Cyber security is multi faceted, including research, standards, secure product development, deployment and operations. It also encompasses people, culture and process.

Ericsson has adopted a holistic approach to security that is centered on securing deployed networks with the aim to safeguard the end-users as well as to protect network assets. Security seminars at BB4All 2023 provide a unique opportunity to interact with some of Ericsson's key security experts and to inspire exchange of views and experiences between all participants.

Moderator: Rene Summer, Director, Government & Policy Advocacy

Session 1: 09.00 - 09.40
5G – built secure with defense in depth
Speakers: Mikko Karikytö, Head of Product Security & CPSO, Ericsson

Session 2: 09.50 -10.20
Security of deployed networks
Speaker: Mikko Karikytö, Head of Product Security & CPSO, Ericsson

Session 3: 10.30 -11.00
Vulnerability management
Speaker: Umair Bukhari, Head of PSIRT, Ericsson

Session 4: 13.00 -13.40
Security operation automation
Speaker: Bodil Josefsson, Business Manager Security Solutions, Ericsson

Session 5: 13.50 -14.30
Open RAN security
Speakers: Jason Boswell, Head of End-to-End Security, Ericsson North America
            Joakim Jardal, Strategic Product Manager, Cloud RAN, Ericsson

Session 6: 14.40 -15.20
5G readiness for zero trust architecture and evolution
Speakers: Patrik Teppo, Senior Expert Security Architecture, Ericsson

Session 7: 15.30 -16.10
Open API & 5G Network security
Speaker: Ben Smeets, Senior Expert Security, Ericsson

Session 8: 16.20 -17.00
Confidential software security assurance
Speaker: Luis Barriga, Principal Researcher Security, Ericsson

Security – Demonstrations
Tuesday June 27, 2023

Ericsson
Ericsson Imagine Studio
Grönlandsgatan 8
Kista, Stockholm

Room:
Demo floor
11.00 – 12.00

Security demonstrations: 11.00 -12.00, Demonstration floor

#1   Introduction to Secure and Resilient 5G Systems

The world is undergoing a digital transformation, adopting advanced technologies through 5G, relying on predictable performance and security assurance of business, society and mission critical processes. 5G is, by design, is more secure than previous generations, but it is being deployed and operated in an evolving and complex threat landscape. New, demanding use cases served by telecom networks will increase attack motivations and attack vectors. These factors are exponentially increasing the need to protect networks.

Explore why resilience and security are critical for current and future high performing networks. Learn why a holistic security approach is needed and what Ericsson is doing at each layer in the security stack through standardization, development, deployment, and operations to help you reimagine the value of digital.

Host: Andreas Blank, Customer Security Director, Ericsson

#2   Security Automation Center

The general perception that 5G is secure, is very true at product level but what communication service providers (CSP) start to realize is, that once they deploy and operationalize network assets, they are on their own in an ecosystem that is constantly evolving and challenged by an increasing number of threats and vulnerabilities.

Join us to explore how a network is designed, deployed and operated by showcasing typical scenarios in a security operations center environment. We show Ericsson Security Manager, an intelligent security management solution that will improve the security posture, lower monitoring, engineering, and incident management costs, as well as providing a CSP business opportunity.

Host: Bodil Josefsson, Business Manager Security Solutions, Ericsson

#3   Secure and Resilient RAN

With 5G becoming the fastest-evolving mobile generation, there is also an alarming increase in the number of cyber threats, attacks, and vulnerabilities. Today, our Communications Service Providers (CSP) need secure solutions more than anything else.

Join us as we take you through a city under cyber-attack and demonstrate Ericsson's robust RAN security solution, including live demos and a digital demo, that offer you four strong security features. It is a quick and precise solution that detects and protects you against malicious attacks.

Hosts: Anna Kåhre, BNEW Product Security Director, Ericsson
        Prajwol Kumar Nakarmi, Strategic Product Manager RAN Security, Ericsson

Security – Parallel sessions
Tuesday June 27, 2023

Ericsson
Ericsson Imagine Studio
Grönlandsgatan 8
Kista, Stockholm

Room:
Melbourne
11.20 – 12.20

Room:
Open Box
12.00 – 13.00

Rooms:

Melbourne
Break-out room:
- One: #1
- Two: #2

Nanjing: #3

13.00 – 15.30

Roundtable: 11.20 - 12.20

EU 5G Certification

The round table will discuss views on the upcoming EU5G certification scheme for network infrastructure products from EU Member States' perspective. To enhance the framework on 5G cybersecurity and secure 5G deployment in the European Union, the European Commission requested ENISA to develop a candidate European cybersecurity certification scheme for 5G networks (EU 5G scheme). European Cybersecurity Certification Scheme for 5G is being developed by ENISA, with industry experts gathered under an Ad-Hoc Working Group with the EU Commission and Member States. A first draft scheme should be available for public consultation around mid-2023.

Host: Patrik Palm, Head of Frameworks, Product Security, Ericsson

- Jerker Berglund, Telecom expert, PTS

- Additional panel participants tba

Lunch: 12.00 - 13.00

Bilateral sessions with experts, 30 minutes per session between 13.00 -15.30

#1   5G RAN – One software track security benefits for deployed networks
       Host: Anna Kåhre, Product Security Director, Ericsson

#2   3GPP / SA3 Security
       Host: Helena Flygare, Master researcher Platform security, Ericsson
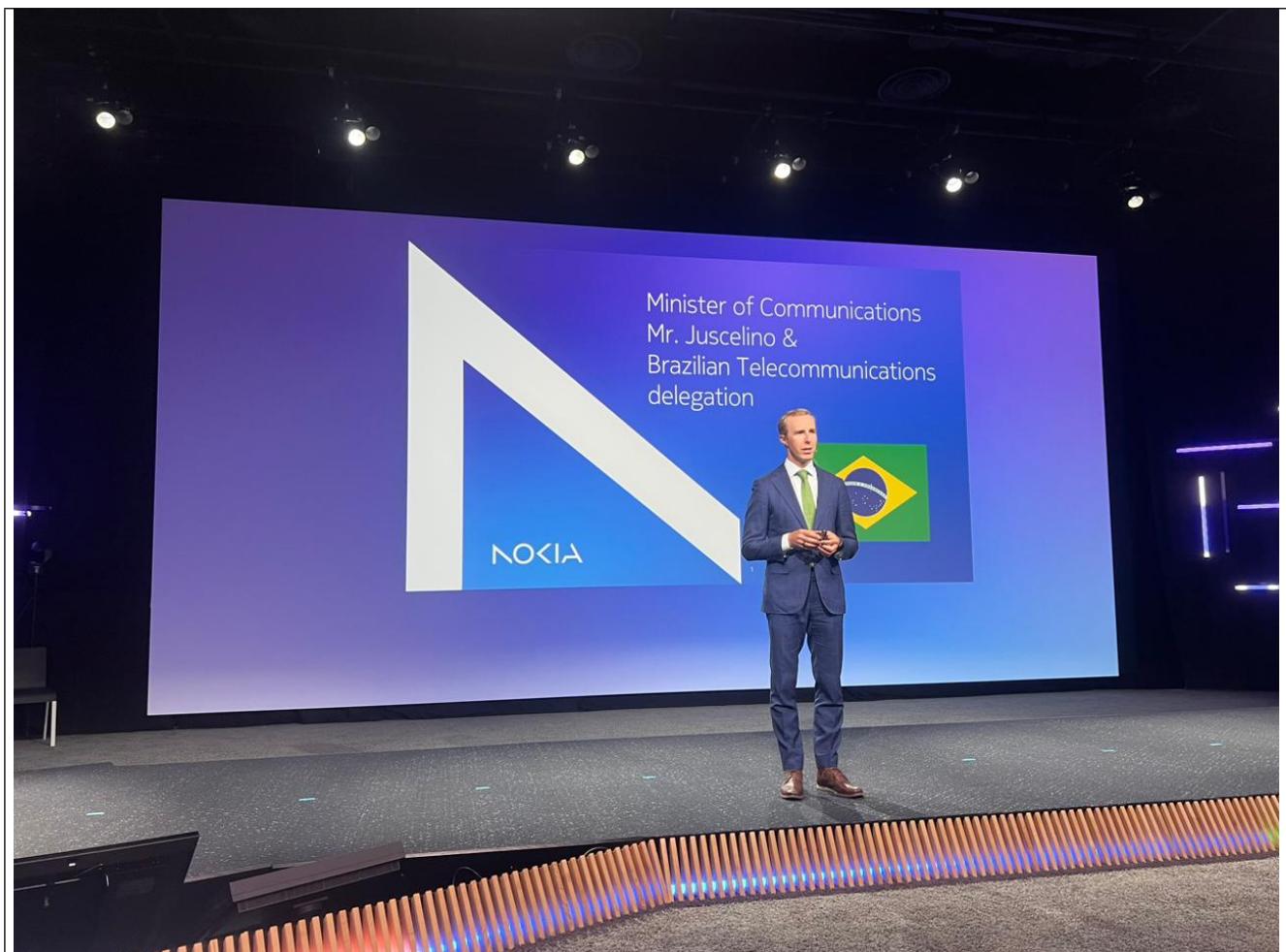
#3   Migration to quantum resistant algorithms in mobile networks
       Host: John Mattsson, Expert Crypto Algorithms & Security Protocols, Ericsson

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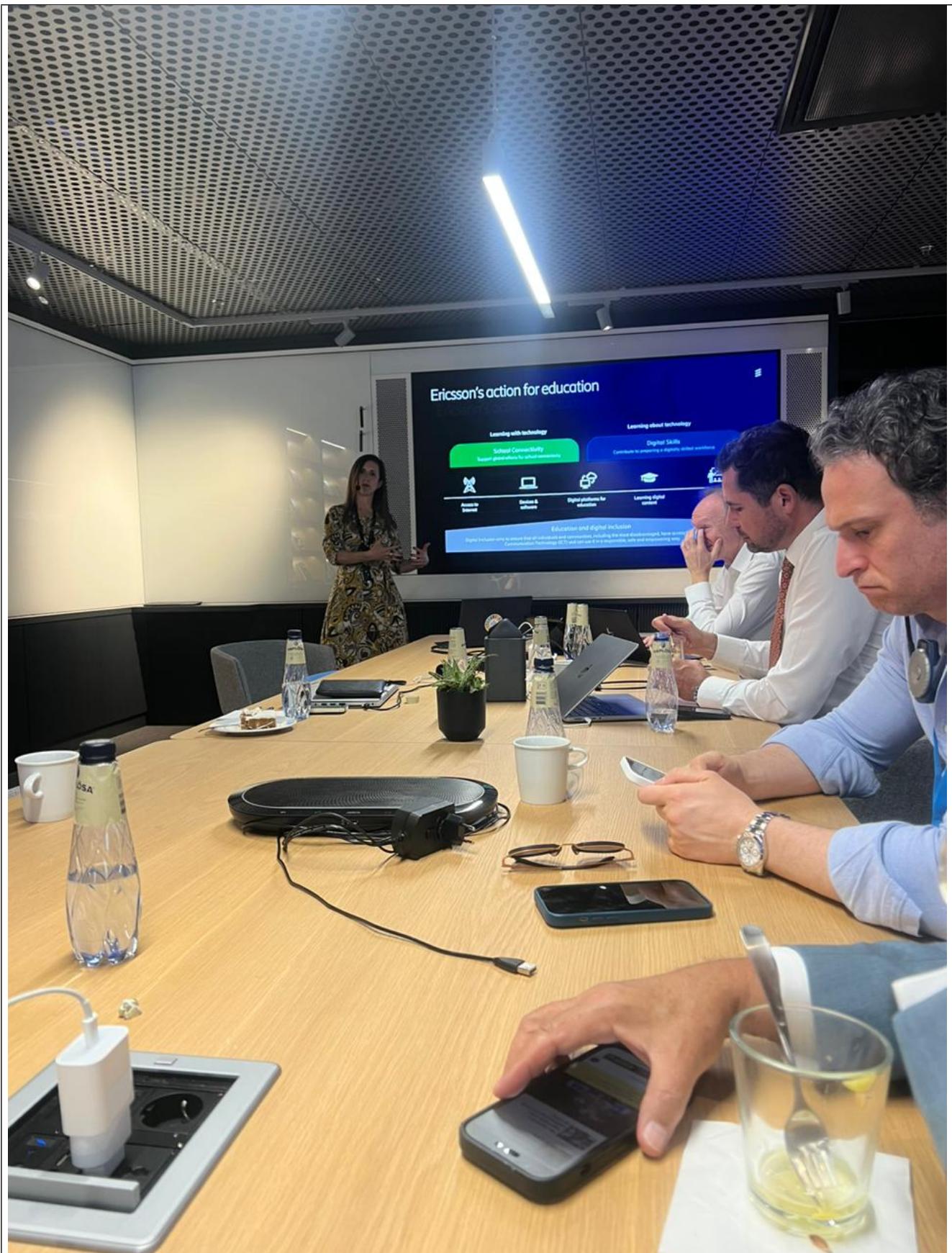
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5. Fechamento do Relatório

Data do relatório	Nome, cargo e assinatura da participante
30 de novembro de 2023	**Irajá Silvestre Filho** Senador PSD/TO Senado Federal