

Herzlich Willkommen zur

SATTA GV 2024

am Di, 25. Juni 2024 um 17:30
im Rest. Sternen, Wangen

SATTA GV 2024



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Swiss ATSEP Technical Association

1. Wahl der Stimmenzähler

2. Protokoll der GV

3. SATTA Jahresbericht

4. Finanzen

- Jahresrechnung & Revisorenbericht
- Entlastung des Kassiers
- Budget und Mitgliederbeiträge

5. Mitgliederbestand, Mutationen

6. Wahl des Vorstands, des Präsidenten
und der Revisoren

7. Anträge der Mitglieder

8. Mitteilungen und Verschiedenes



3. Jahresbericht 2023

DACH Locarno

IFATSEA ERM Bukarest

IFATSEA GA Buenos Aires

SATTA Ausflug Zyturm Luzern

SATTA Workshop

Stratcom & TUM

LOCOM & ATESP Basic Training

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DACH Meeting 2023 Locarno 27. 4 - 30. 4 2023



DACH Meeting 2023 Locarno



Association



SA

Ausflug zum Monte Lema, CNS Standort T/RX und WX Radar Station

ps://vimeo.com/1933833



Anreise Locarno - Miglieglia

Beste 51 min 15:23 8 h 3 h:30

Locarno

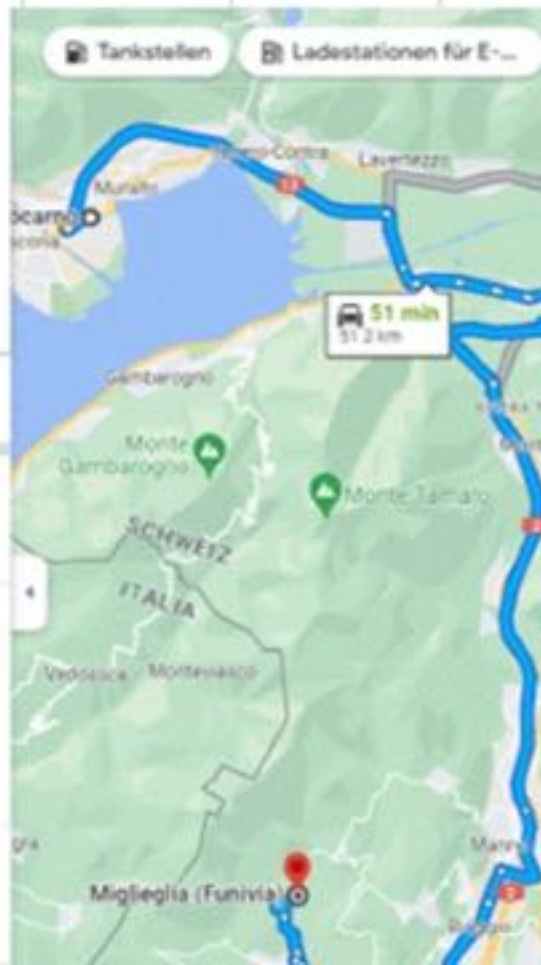
Miglieglia (Funivia), 6986 Miglieglia

Reiseziel hinzufügen

Jetzt starten ▼ Optionen

Wegbeschreibung an mein Smartphone senden

über A2	51 min
Die aktuell schnellste Route aufgrund der Verkehrslage	
Mautgebühren	
Details	
über A13 und A2	57 min
	57,9 km



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Swiss ATSEP Technical Association

📍 Novotel Hotel, Bucharest

🕒 25 - 27 Mai 2023,

IFATSEA Euro- Conference 2023

✚
REMOTE TOWERS - Technology as an enabler & the ATSEP roles



IFATSEA ERM Bukarest 25. - 27. Mai 2023

18 Verbände vertreten

- | | |
|-----------------------|-------------------------------|
| 1. Albania - present | 18. Montenegro - present |
| 2. Austria - present | 19. Netherland - present |
| 3. Belgium - present | 20. North Macedonia - present |
| 4. Bulgaria | 21. Norway |
| 5. Croatia | 22. Romania - present |
| 6. Cyprus - present | 23. Poland |
| 7. Czechia - present | 24. Portugal - present |
| 8. Finland | 25. Russia |
| 9. France - present | 26. Serbia - present |
| 10. Germany - present | 27. Slovakia |
| 11. Georgia | 28. Slovenia - present |
| 12. Greece - present | 29. Spain - present |
| 13. Ireland | 30. Sweden - present |
| 14. Italy | 31. Switzerland - present |
| 15. Lithuania | 32. Turkey |
| 16. Luxembourg | 33. Ukraine |
| 17. Malta | 34. United Kingdom |

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IFATSEA ERM Bukarest 25. - 27. Mai 2023

ATSEP profession:

Staffing problems, Outsourcing
Communication & Promotion of ATSEP Profession
Perspective on development of CNS infrastructure & CNS resilience
ATSEP stress & Fatigue management paper issued by IFATSEA

Relations & Working Groups:

IFATCA, ETF, ATCEUC, CANSO, ECA, IFAIMA, EASA & EUROCONTROL

SESAR 3 JU - A short update

Expert Group on Human Dimensions (EGHD)

EU forum where IFATSEA directly influences decisions of European commission and EASA.

EU Industry Consultation Board Working group

Service providers & manufacturers (CANSO, ARINC, SITA), MET service providers, airlines.

Presentations:

Digital TWR project in Belgium

Power supply in ANSP: Ensuring reliability and availability of electrical

Decision support tool at LVNL

Introduction to Intelligent Approach system & Decision support tool in operation.

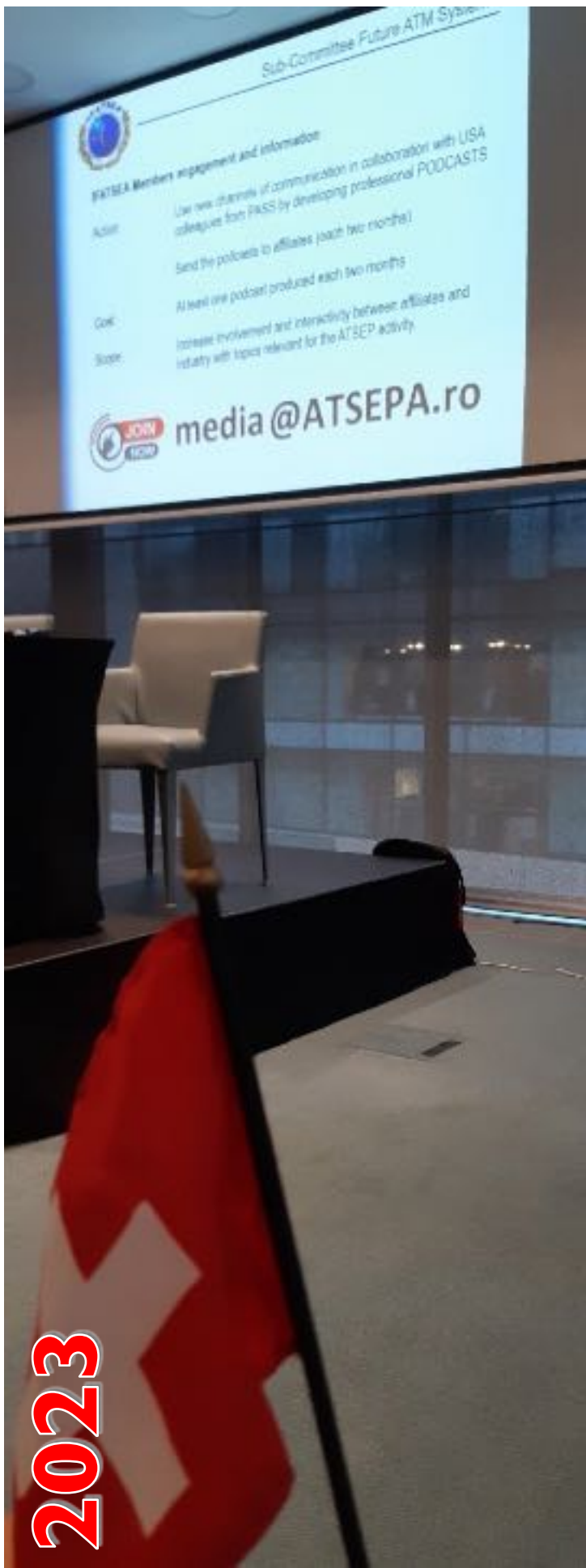
Romanian CAA licensing scheme for ATSEP

Eurocontrol CNS infrastructure update:

Enabling Trajectory Based Operations, improving resilience & digitalisation.

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Professional Podcasts for ATSEP



ATSEP coordination
WhatsApp-Gruppeneinladung

Chat beitreten

IFATSEA started a WhatsApp ATSEP community to bring together CNS & ATM experts worldwide
<https://chat.whatsapp.com/HH7HakQHizFFSRIIJOU107>.

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IFATSEA ERM Bukarest 25. - 27. Mai 2023



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General Assembly

12-17 November 2023

Buenos Aires, Argentina



"ATSEP: Maintaining Safety, performance and cyber resilience for global ANS"

HEADING TO
Buenos Aires



TIME TO EZE 11 h 45m
DISTANCE TO EZE 10,073 km
EST. ARRIVAL 19:06 Sun
TIME AT EZE 07:21 Sun
TIME AT MAD 12:21 Sun

Countries that are already participating



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51th IFATSEA GA Buenos Aires 12. - 17. Nov. 2023

Best practices WG; Jurgen De Clercq (Skyes)

New regulations impact on ATSEP, Petr Dvorak; CANI instructor ATSEP training Regulation 2023/893 harmonizes ATCO licenses, IFATSEAs goal for ATSEP, too

Cybersecurity survey; Erik Roos (LVNL); Focus on ATSEP as 1st responder

Cybersecurity; Sorin Dumitresco (ATSEPA); EC 2023/203 & impact on ATSEP
46 complex cyber-attacks on ANSP in 2023

Cybersecurity processes to include technology, people and procedures

Currently few interfaces with outside world, but with evolution (**cloud solutions, virtualization**) many more interfaces which increase cybersecurity risk.

Best practice: to have main and backup system from a different manufacturer.

Example: FMS that crashed in UK. Both the main and back-up system could not handle the corrupted flight plan, causing a crash of the main and backup.

Also, for cybersecurity this is important as exploitable weak points are different.

EGHD; Cybersecurity papers under development; Costas Christoforou



51th IFATSEA GA Buenos Aires 12. - 17. Nov. 2023

IFATSEA Revisoren seit 2014
Zeljko Valentić / HUITOPZ
Roger Suter / SATTA
Nach 2 Jahren wieder ein
unglückliches OK von den
IFATSEA Revisoren!



No debts: 22% of IFATSEA members	
1. Europe	37% of members in region
2. Americas	22% of members in region
3. Asia-Pacific	11% of members in region
4. Africa	0% of members in region
Members with 1 to 3 unpaid fees: 6,8% of IFATSEA	
1. Europe	21% of members in region
2. Americas	11% of members in region
3. Africa	11% of members in region
4. Asia-Pacific	0% of members in region
and more unpaid fees: 63% of IFATSEA members	
1. Africa	89% of members in region
2. Asia Pacific	86% of members in region
3. Americas	67% of members in region
4. Europe	21% of members in region

All paid: Belgium, Bulgaria, Canada, Croatia, Cyprus, Czech Republic, Ghana, Greece, Montenegro, Poland, Portugal, Serbia, Slovak Republic, Slovenia, Spain, USA, United Kingdom,	
One unpaid fee: North Macedonia,	
Two unpaid fees: Argentina 2888 euros (with 2023), Malta, Romania, South Africa, Sudan,	
Three unpaid fees and more: Angola, Cameroon, Chile, DR Congo, Dominican Republic, Ethiopia, Finland, Gambia, Germany, Ireland, Italy, Jamaica, Kenya, Lithuania, Morocco, Nepal, Netherlands, Niger, Nigeria, Peru, Russia, Senegal, Sri Lanka, Sweden, Switzerland, Tunisia (since 2019, 1550 euros with 2023), Turkey, Uganda, Ukraine,	
Never paid: Bolivia, Ethiopia, Indonesia, Mali, United Arab Emirates	

€ 1400.- paid!

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51th IFATSEA GA Buenos Aires 12. - 17. Nov. 2023

Happy ATSEP Day 12. November 2023



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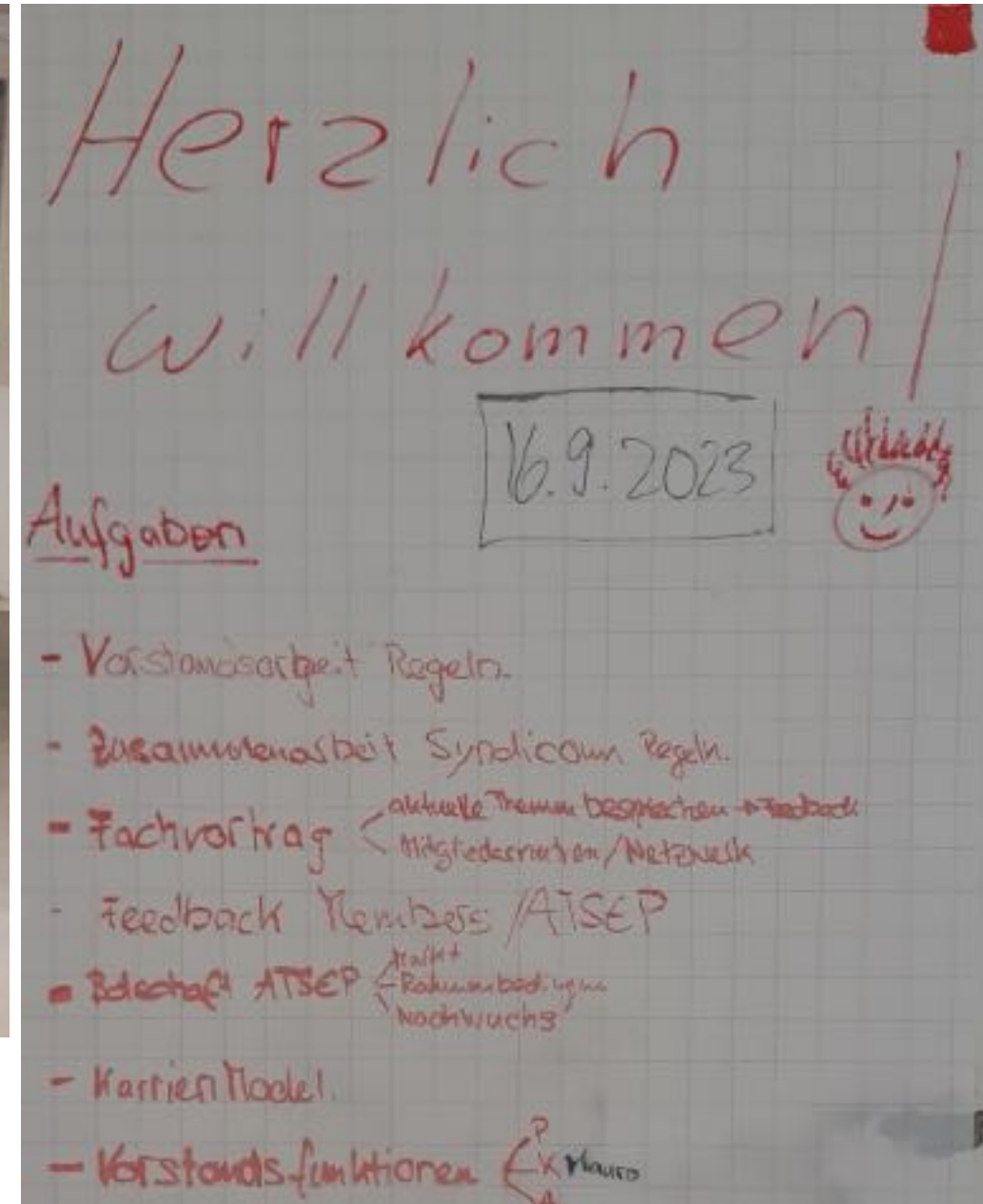


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SATTA Workshop 16. Aug. 2023



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SATTA Ausflug | 1. 9. 23 Zytturm Luzern



Apero Suite Lounge



TTA GV 20

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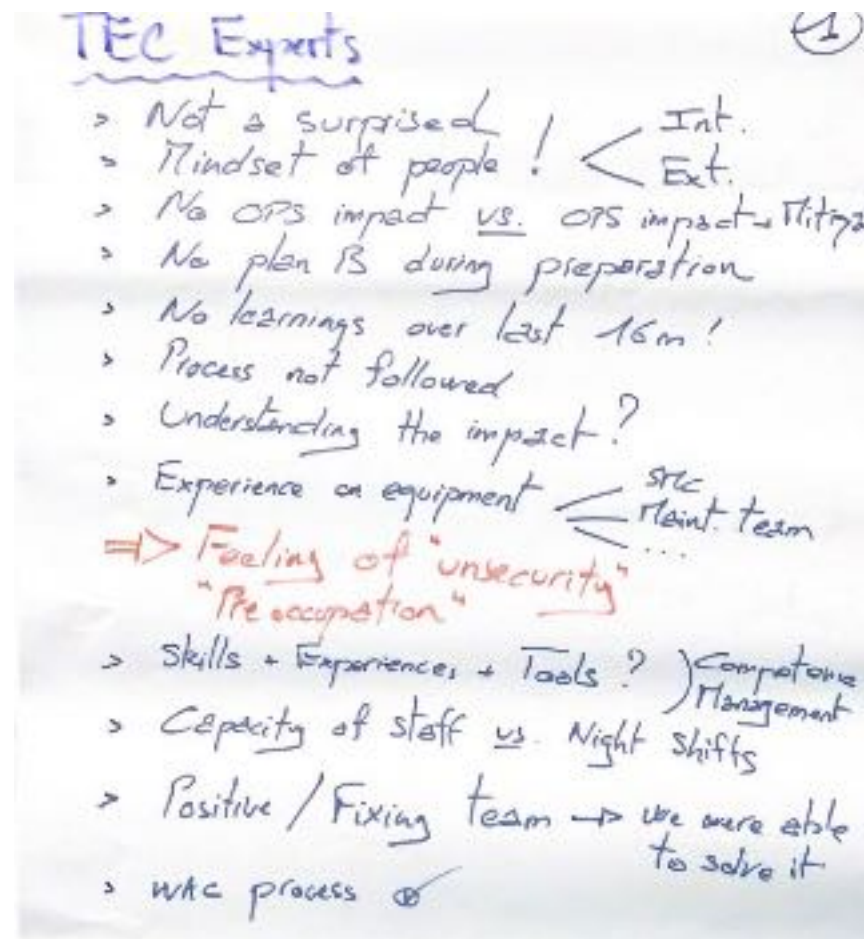
Swiss ATSEP Technical Association

3. Jahresbericht

STRATCOM/ TUM Herbst 2023

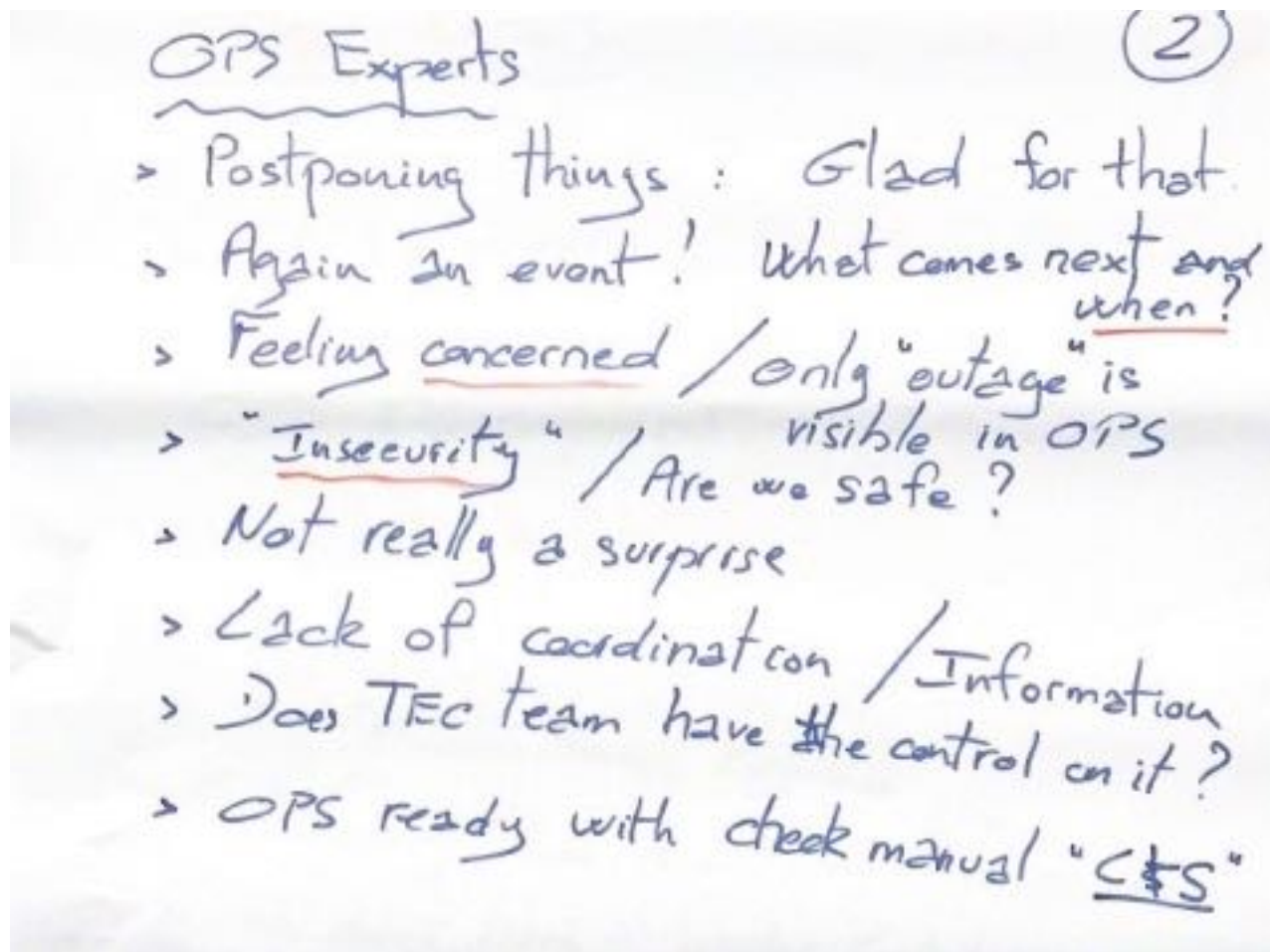
(Stefan und Michel)

System robustness (TEC)



3. Jahresbericht

System robustness (OPS)



3. Jahresbericht

TIR (Technical Incident Report)

- Reaktionszeit von S
 - Bearbeitungszeit von S
 - Reaktion auf Verbesserungsvorschläge
 - Erkennen von Trends
- Follow up Termin mit Olivier Perrin (CSO) 28.03.2024



3. Jahresbericht

STRATCOM/ TUM Frühling 2024 (Matthias und Michel)

Offener Brief von O (In den Medien am 02.03.2024)

- Ist der CTO noch der Richtige?
 - Antwort von EB → JA
- Wie sollen die Probleme unter Kontrolle gebracht werden?
 - Taskforce wird eingesetzt (System robustness Projekt)
 - 10 Mio. CHF mehr für RUN
 - Keine (wenig) Integration von neuen Systemen



3. Jahresbericht

Feedback von SATTA

- Konsequenz von Knowhow Verlust von 2019 (-5 MA in TPN)
- Aufgaben können outsourced werden, Verantwortung nicht
 - Verantwortlicher im eWAC ist externer MA
 - Verantwortlicher im eWAC ist kein ATSEP
- Wir brauchen mehr zertifizierte ATSEP's !!!
 - **MINDSET!!!**
 - Ausbildung dauert 18 – 24 Monate und nicht 3 Wochen!
 - Plan B muss vorhanden sein!



3. Jahresbericht

ATESP Basic Training

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3. Jahresbericht

LOCOM

OPS Wünscht generell mehr Nacharbeiten

aus Angst vor weiteren Systeminstabilitäten. Dieser Wunsch kam vor Allem nach dem Vorfall mit **2 aktiven Skyservern** auf (Arbeit an ESX5 – Fiber von ESX7 berührt, kurzer Unterbruch).

Dem gegenüber steht die **angespannte Personalsituation** bei den **ATSEP** Ressourcen (34 AOT Abgänge in 2023).

Verstärkung bei SMC hilft Wahrscheinlichkeit eines unbesetzten SMC Desks zu minimieren. Mehr Unterstützung durch SMC bei Systeminstabilitäten.

SATTA Vertretung bei LOCOM durch Gabor und Renato



3. SATTA Ausblick 2024

Übergabe Präsidentschaft

I Sozialer Event für Mitglieder (Landesplattenberg)

Unterstützung durch syndicom verschriftlichen

BAZL Kontakt erneuern

Kontakt zu NR Mitglied etablieren

SATTA @ Fachbereichskonferenz FSTD 2024 (DUS)

ERM in Larnaca

GA Las Vegas (IFATSEA)

SATTA GV 2024



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3. SATTA Ausblick 2025

Ab GV 2025 neuer Präsident!

Nach drei DACH, führt SATTA 2025 zusammen mit der GdF das IFATSEA ERM Meeting durch.

Budget: € 60'000

Die GdF steuert € 20'000 an den Kosten bei.

Termin: 24.4 – 26.04.2025

PS. Bleibt die IFATSE GA als Krönung



IFATSEA (SATTA) vs CANSO

About CANSO

CANSO is the global voice of the air traffic management industry. As the industry association, we bring the world's air navigation service providers, leading industry innovators and air traffic management specialists together to share knowledge, develop best practice and shape the future for secure and seamless airspace. Together we are experts, we are innovators, and we are the architects of future ATM.

What CANSO does

CANSO provides safe and efficient ANS provision, by:

- Maintaining an international forum for developing and exchanging ideas on current ATM related issues
- Developing an international network for ANS experts to exchange information and promote ATC best practice.

About IFATSEA

IFATSEA is the global voice of the ATSEP. As a professional association, we bring the world's ATSEP associations, industry stakeholders and **real** air traffic management experts together to share knowledge, develop best practices and daily ensure a safe and secure airspace. Together ATSEPs are experts, ATSEPs are enablers and ATSEPs are the daily maintainers of secure ATM.

What IFATSEA does

- IFATSEA provides safe and efficient ANS provision, by:
- Maintaining an international forum for developing and exchanging ideas on current ATM related issues.
 - Developing an international network for ATSEPs to exchange information and promote best ATC practice.

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IFATSEA, the global voice of ATSEPs

So lang die ANSPs sich eine aufwändige Lobbyorganisation leistet,
n.b. finanziert durch die erwirtschaftete Leistung ihrer ATSEP (u.a),
so lang ist eine internationale Lobbyorganisation der ATSEP
notwendig, recht und billig!

Wer sonst vertritt des ATSEPs Sicht der Dinge?

CANSO, lobbying ANSP interests

CANSO Fee ATM Turnover
€ 37,638 250 - 500 M\$

34 ANSP in Europa

CANSO Euro-Asia ANSP CEO Summit; Baku, Azerbaijan
CANSO Global ATM Summit 2024; 10 - 13 June; Baku

Our additional sponsors

We are grateful for the support of our additional sponsors:



Our exhibitors



IFATSEA, lobbying ATSEP interests

Cost per Employee
€ 120.-

34 ATSEP professional Associations in Europa

IFATSEA ERM, Larnaka
IFATSEA GA, Las Vegas
IFATSEAs sponsors



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Reminder of the History of IFATSEA

After person-to-person contacts over a few years
a **1st meeting in Brussels, 12th & 13th, November 1971.**

The meeting agreed a draft Constitution to be presented to
an **inaugural Assembly in Frankfurt in October 1972.**

The following ten countries represented the 1st Assembly:

Austria, Belgium, Denmark, France, Germany, Greece, Ireland, Israel, Switzerland and UK.

Ten years later **IFATSEA was fully recognized** as representing the interests of Air Traffic Safety Electronics Personnel by such bodies as **ICAO, ILO** and **EUROCAE.**

Today IFATSEA represent 73 affiliates worldwide, for example CNS Officers' Guild India
Obwohl SATTA eine kleine Assoziation ist, spielte SATTA stets eine relative wichtige Rolle.

Professional Aviation Safety Specialists (PASS) has represented more than 11,000
employees of the Federal Aviation Administration (FAA) since 1977.

Membership in PASS is about more than joining a
union - it is about **having a voice, gaining a
system of support and solidarity**, and making an
important investment in your future.

PS: PASS membership dues are 1.25% of salary.



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Swiss ATSEP Technical Association

Airspace World & FLY AI



JOINT COGNITIVE HUMAN MACHINE SYSTEM GROUP (JCHM)



Ms Nora Berzina (MUAC ATCO, EGATS),
Dr. Anthony Smoker (EASA representative IFATCA,
GATCO UK),
Dr. Stathis Malakis (SESAR representative ATCO,
Greece),
Mr. Andrea Poti (EASA representative IFATCA, Italy),
Mr. Tom Laursen (former EVP Europe, Denmark),
Dr. Marcello Scala (Italy)
Mr. Sergio Velotto (Italy)
Mr. Marc Baumgartner (SESAR/EASA Coordinator,
Switzerland)



ESA
Swiss A

IFATSEA @ FLY AI



The ATSEP Role in CNS/ATM Cybersecurity events



The ATSEP must (among other):

- *distinguish whether any problem/degradation identified is a Technical failure or due to a Cyber event* (space or Ground)
- *respond to tactically address any cybersecurity issue*
- *ATSEP Sup to coordinate with the ATCO Sup locally or remotely in ATSUS of delegated airspace*
- *mitigate degradation to ensure CNS/ATM service continuity*

Addressing this cyber incident would be a challenge given that **tools for shared awareness of security threat level and total system state and health awareness, have not been fully researched and developed yet.**

IFATSEA proposes a *Technical Supervision model instantiated in each ATSEP WP*

"an event object mechanism assisted by AI, interfacing with individual systems (or Service providers) with predictive capabilities based on specific sensors activity monitoring (s/w and h/w) and displaying their health status in the SMC domain able to detect, classify and propose solutions to pure technical or Cyber related degradations"



1. Wahl der Stimmenzähler
2. Protokoll der GV
3. SATTA Jahresbericht
4. Finanzen
 - Jahresrechnung & Revisorenbericht
 - Entlastung des Kassiers
 - Budget und Mitgliederbeiträge
5. Mitgliederbestand, Mutationen
6. Wahl des Vorstands, des Präsidenten und der Revisoren
7. Anträge der Mitglieder
8. Mitteilungen und Verschiedenes



4. Jahresrechnung 2023

Aktive

Aktive	
Umlaufvermögen	
1020_Bank	15'667.43 CHF
Debitoren 2022	330.00 CHF
Übertragskonto Debitoren	0.00 CHF
	15'997.43 CHF
Total Aktive	15'997.43 CHF



4. Jahresrechnung 2023 Passive

Passive	
Eigenkapital	
2000_Kreditoren	240.00 CHF
2050_Rückstellungen International	4'600.00 CHF
2060_Rückstellungen Ausbildung	0.00 CHF
2070_Rückstellungen DACH	5'720.00 CHF
2090_Transitorische Passiven	0.00 CHF
2100_Kapital	11'262.43 CHF
2129_Gewinn- Verlustvortrag auf Kapital	-3'914.45 CHF
	17'907.98 CHF
Subtotal Passive	17'907.98 CHF
Verlust ⓘ	-1'910.55 CHF
Total	15'997.43 CHF



4. Revisorenbericht 2023



Swiss ATSEP Technical Association

CH-8602 Wangen bei Dübendorf

www.satta.ch

Revisorenbericht 2023

Die unterzeichnenden Revisoren haben die per 31. Dezember 2023 abgeschlossene Rechnung des SATTA geprüft, die Buchungen mit den Belegen verglichen und in Ordnung befunden.

Die Buchhaltung ist sauber, übersichtlich und korrekt geführt.

Wir empfehlen der Generalversammlung die Abnahme der Rechnung und den Kassier zu entlasten.

Wangen, 6. Juni 2024

Die Revisoren:

Wolf Zabel

Patrik Mächler

INTERNATIONAL FEDERATION OF AIR TRAFFIC



SAFETY ELECTRONICS ASSOCIATION



SATTA GV 2024



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4. Budget 2024 Aufwände I

Budget SATTA 2024	Aufwand
Nationale Aktivitäten	CHF 4'200
SATTA GV	CHF 1'000
IT & Bank	CHF 900
Sponsoring ION	CHF 500
Weihnachtskarten	CHF 400
Social Event	CHF 400
Vorstandssessen	CHF 400
Abschreibungen	CHF 200



4. Budget 2024 Aufwände 2

Budget SATTA 2024	Aufwand
Internationales	CHF 5'800
ERM Meeting	CHF 3'000
Fee 2020 - 2023	CHF 1'400
Member Fee 2024	CHF 300
Prep GA	CHF 600
Beziehungen GdF	CHF 500
IFATSEA GA	CHF 0



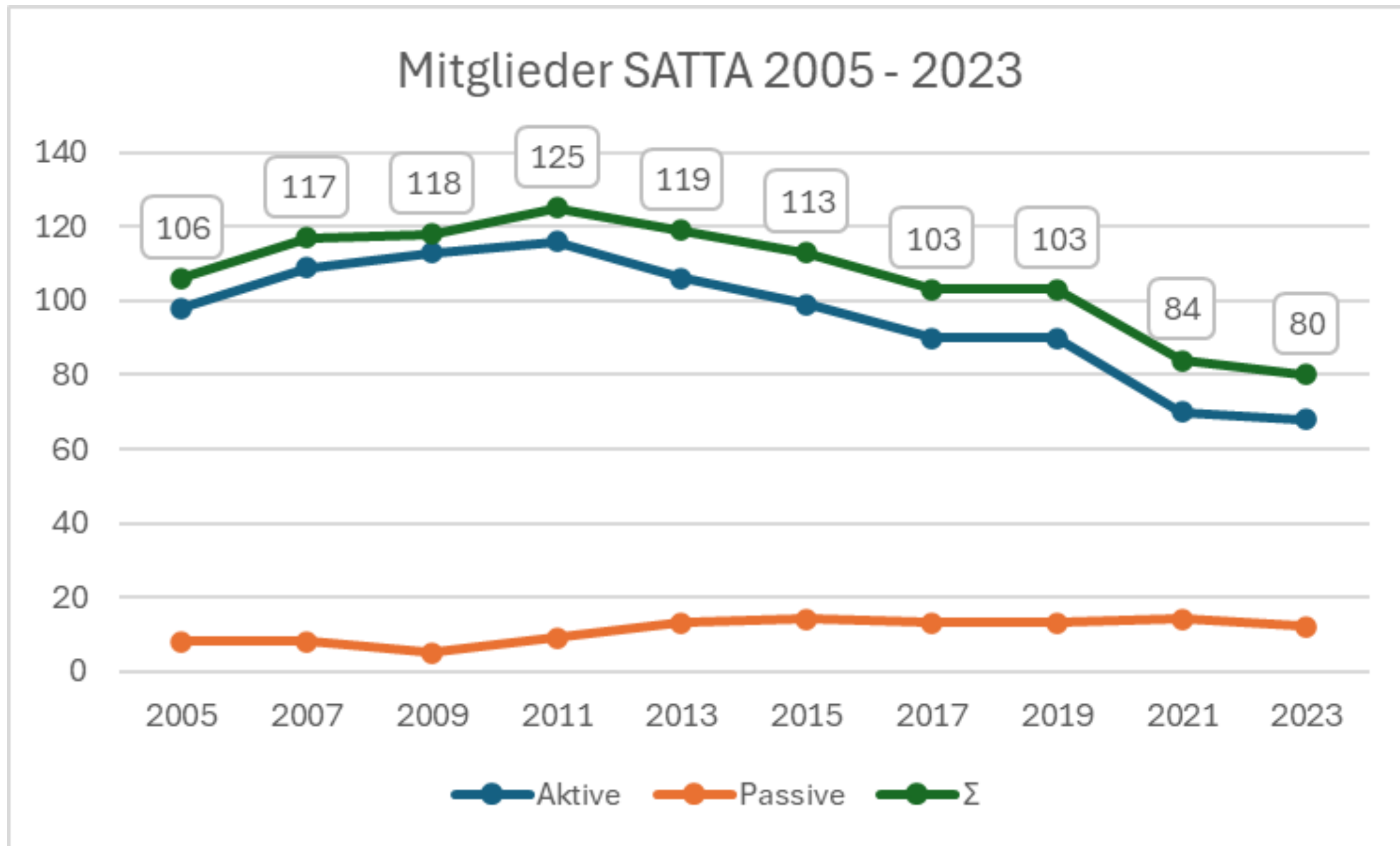
4. Budget 2024 Erträge

Budget SATTA 2024	Ertrag
Summe der Erträge	CHF 10'000
Mitglieder Aktiv	CHF 8'000
Mitglieder Passiv	CHF 400
syndicom	CHF 1'600

Budget SATTA 2024	Bilanz
Saldo	0
Summe der Aufwände	-10'000
Summe der Erträge	10'000



5. SATTA Mitgliederstatistik



2024: **80** Mitglieder; Neuintritte 16 (2014 - 2024)

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4. Mitgliederbeiträge 2024

Der SATTA Vorstand beantragt Beibehaltung der bisherigen Mitgliederbeiträge von:

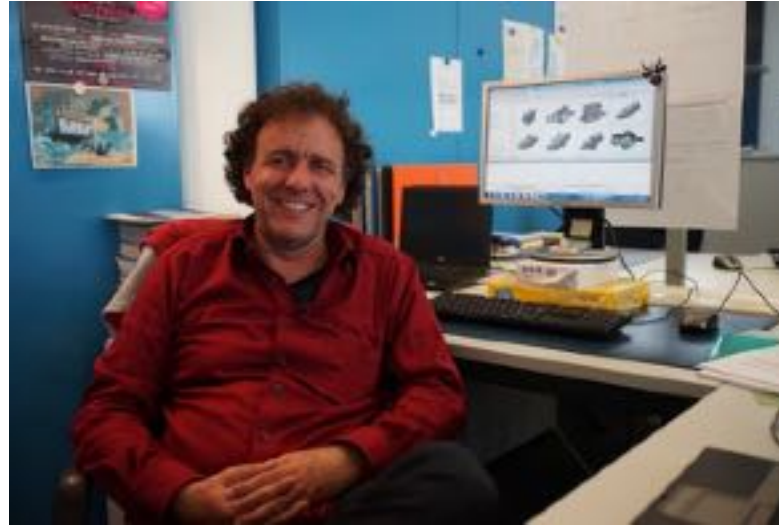
- Beitrag Aktiv Mitglied: 120.- CHF
- Beitrag Passiv Mitglied: 30.- CHF



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6. Wahl des Vorstands & Präsidenten



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SATTA Ausflug 2025

Knabenschiessen Nachmittag

SATTA GV 2024



Swiss ATSEP Technical Association

7. Anträge der Mitglieder

Dani Voser:

Immer wieder ecken wir bei den Herstellern und Zulieferern an, weil diese den geforderten Security Standards nicht stand halten.

Gerade weil wir eine kritische Infrastruktur betreiben, müsste Security ganz weit oben auf der Liste stehen.

Die Realität sieht leider sehr viel anders aus.

Es wäre wünschenswert, wenn wir via SATTA auch auf internationalem Feld (DACH) das Problem thematisieren würden. Das übergeordnete Ziel sollte sein, dass wir uns alle (evt. europaweit) dem Thema committen und so die Hersteller und Zulieferer von ANSP Equipment forcieren, Security mit dem nötigen Stellenwert integrieren.



Einladung zum Dinner

**Danke für eure Aufmerksamkeit, än
Guätä!**

Kalte pikante Gurkensuppe

Schweinspiccata auf Tomatencoulis

mit Parmesanrisotto und Broccoli

Erdbeeren, Joghurteis



Situation EU 1/2

Doc	Reverenz	Content	Remark
EU 2017/373 (common requirements for providers of air traffic management/air navigation services and other air traffic management network functions)	Annex I (20)	air traffic safety electronics personnel (ATSEP)' means any authorised personnel who are competent to <u>operate, maintain, release from, and return into operations</u> equipment of the functional system;	EU 2017/373 = Valid from 1.1.2020 (56) ' <u>functional system</u> ' means a combination of procedures, human resources and equipment, including hardware and software, organised to perform a function within the context of ATM/ANS and other ATM network functions;
EU 2017/373	Annex VIII ATSEP.OR.100 Scope (b)	the minimum requirements to be met with respect to the training and the competence assessment of ATSEP may be determined by the competent authority. Those <u>minimum requirements shall be based on qualification, experience and recent experience</u>	
EU 2017/373	Annex VIII ATSEP.OR.200 Training requirements	Training = Basic, Qualification, System and Equipment Rating , Continuation	Continuation = refresher, equipment/systems upgrades and modifications, and/or emergency training.
EU 2017/373	Annex VIII ATSEP.OR.105	the service provider employing ATSEP shall <u>establish a training and competence assessment programme</u> the service provider shall ensure that those ATSEP have <u>received the applicable training and competences</u> foreseen in this Subpart	Haben wir seit ESARR5

Situation EU 2/2

Doc	Reverenz	Content	Remark
EU 2017/373	ATSEP.OR.400 ATSEP training instructors	(a) ATSEP training instructors are <u>suitably experienced</u> in the field where instruction is to be given; (b) on-the-job training instructors have <u>successfully completed an on-the-job-training course and have the skills to intervene in instances where safety may be compromised during the training.</u>	New
EU 2017/373	ATSEP.OR.405 Technical skills assessors	ANSP shall ensure that technical skills assessors have successfully <u>completed an assessor course and are suitably experienced to assess the criteria (technical skills; behavioural skills; knowledge)</u>	New
EASA AMC and GM to Part-PERS (Requirements for service providers concerning personnel training and competence assessment) 8 March 2017	GM2ATSEP.OR.405 Technical skills assessors	Example: If the appointed technical assessor also acts as line manager to the individual ATSEP, the service provider should have in place a process to reduce biases etc.	EASA Acceptable Means of Compliance (AMC) and Guidance Material (GM) https://www.easa.europa.eu/document-library/acceptable-means-of-compliance-and-guidance-materials



Situation ICAO

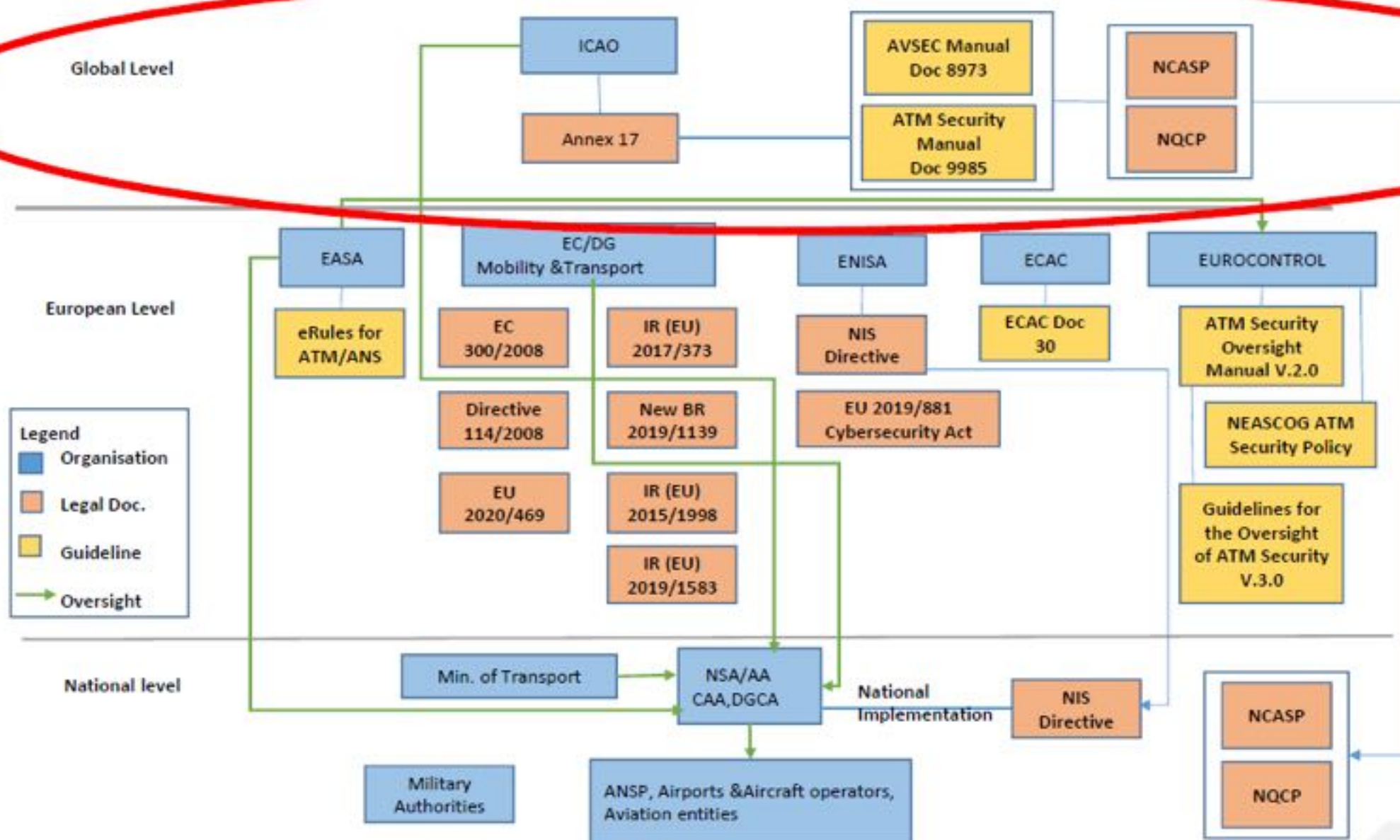
Doc	Reverenz	Content	Remark
Doc 9868 Procedures for Air Navigation Services — Training	Chapture 3	provides the procedures for establishing a competency-based training and assessment programme for ATSEP, which is recommended for ATSEP training organizations, ANSPs or authorities	
Doc 9868	Appendix 2 to Chapter 3	Description of “ATSEP COMPETENCY FRAMEWORK ”	
Doc 10057 Manual on Air Traffic Safety Electronics Personnel Competency-based Training and Assessment	1.2.2 ATSEP scope of activities	possible scope of ATSEP activities using as a basis the engineering life cycle <u>from system conception through design, operation and, lastly, decommissioning.</u>	First Edition 2017
Doc 10057	Chapter 3 3.3.12 Qualification Engineering Training Module	Most States have regulatory requirements for ensuring that CNS/ATM systems and equipment are specified, researched, designed, developed, tested, validated and installed by qualified ATSEP.	
Doc 10057	APPENDIX B.8	RECOMMENDED TRAINING OBJECTIVES FOR INITIAL TRAINING	Including Qualification Engineering on P 157

Situation CH

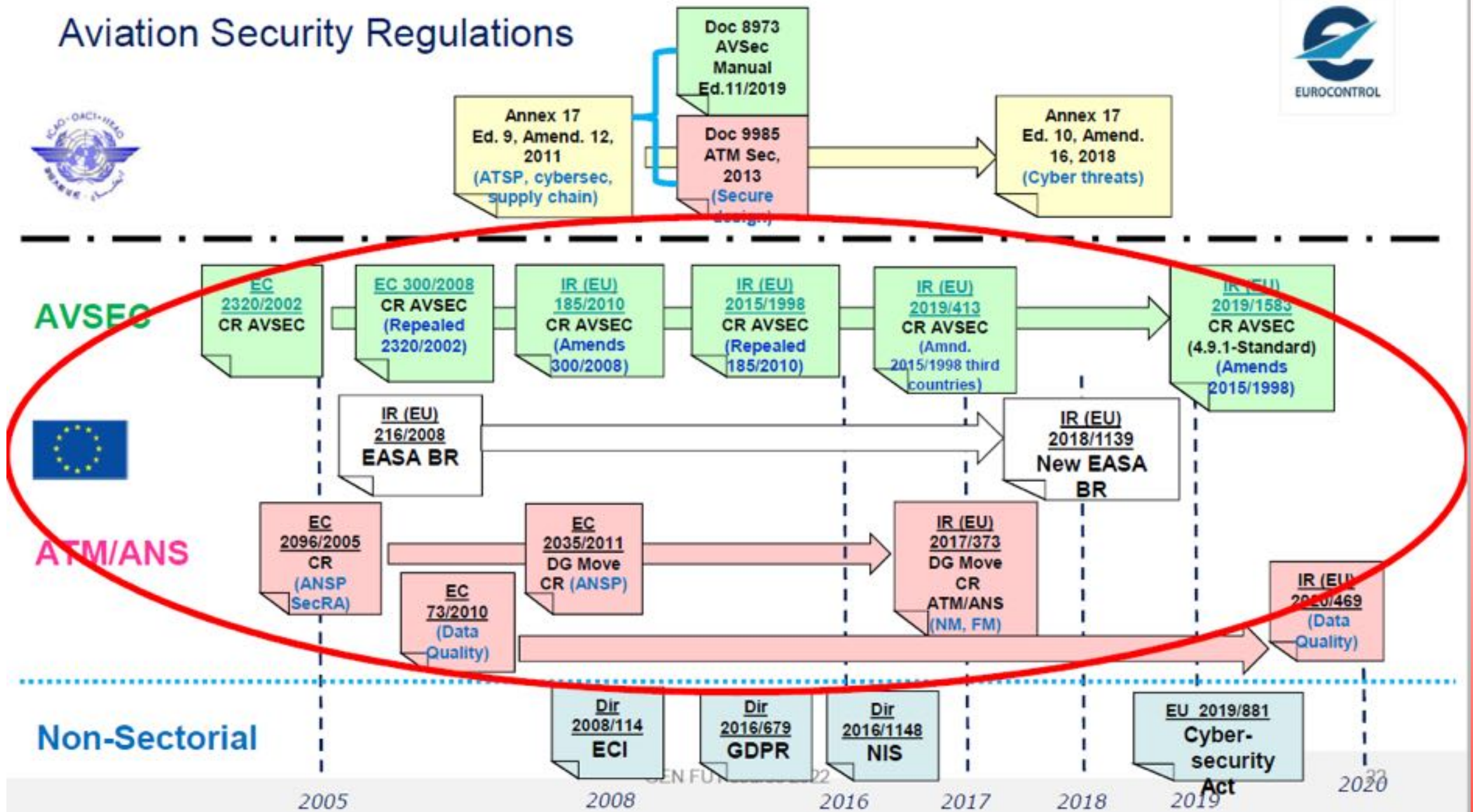
- EU Regulation ist anzuwenden.
- Lizenz: NEIN!
—> Begründung BAZL Jan 2018: Keine Überregulierung (EU verlangt keine Lizenz) und Zusatzkosten auf Seiten BAZL (zusätzliches Personal) bei einer Lizenzeinführung.



Associated Regulations and Guidance Material



Aviation Security Regulations



ATSEP roles in Cybersecurity

- Maintain hard- & software inventory
- Update inventory if components exchanged/updated
- Implement Patches and Releases
- Configure user accounts
- Implement password policies
- VPN activation
- Detect anomalous activities
- Understand potential impact
- Detect vulnerabilities
- Execute processes and procedures
- Prepare validate response process & procedures



3. Jahresbericht IFATSEA GA Bukarest

Industrial partners /
sponsors presented
their products &
solutions supporting
ATSEP.

SkyRadarSystems
presented their ATSEP
training solutions.

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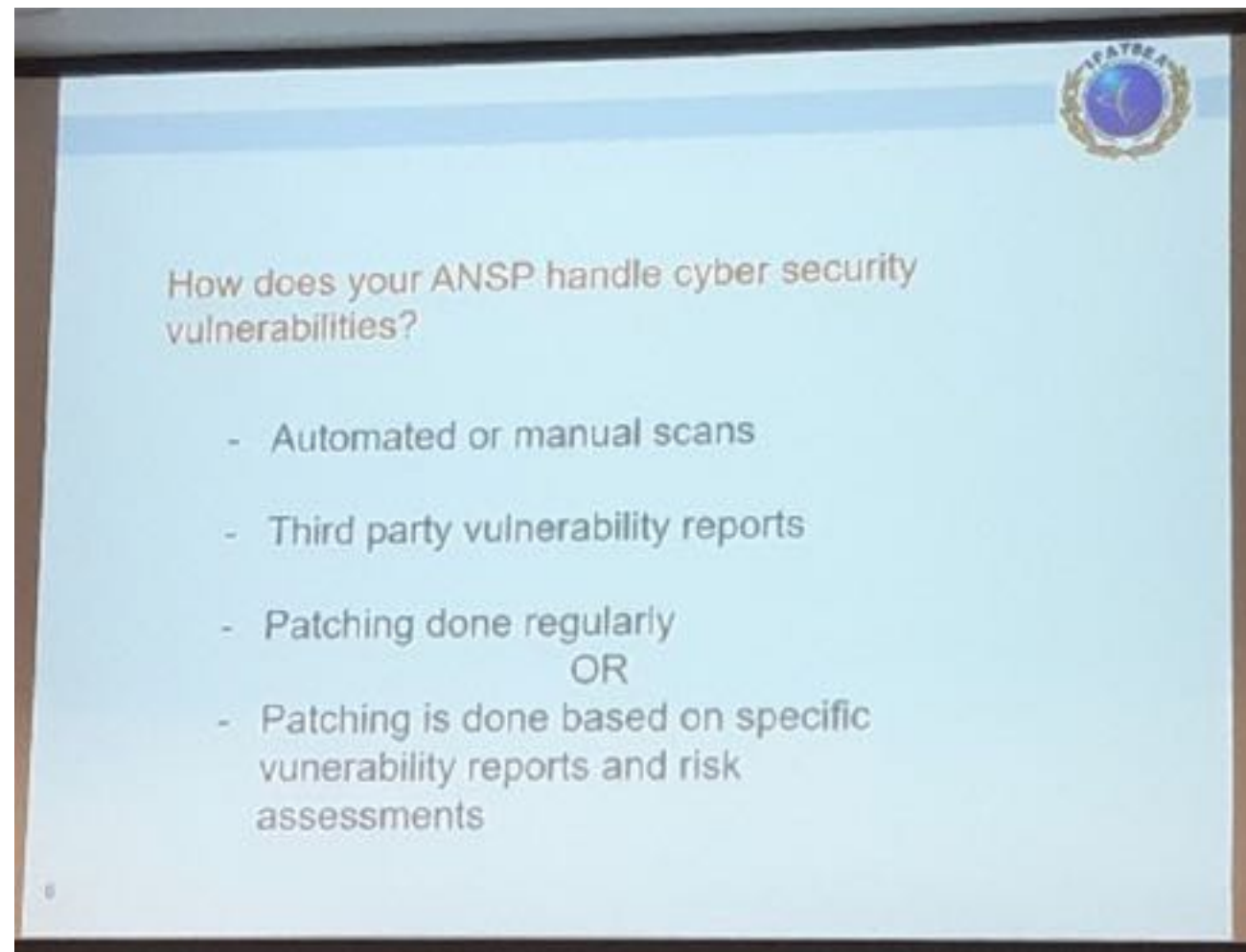


Far beyond anyone



SATTA GV

Cyber Security als wichtiges Thema im Plenum



6. Wahl des Vorstands bestehend



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6. Wahl des Vorstands bestehend

TNC-Z



Michel Grosjean

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