

Compliance Conference 24/11/2020 Aviation Task Force (ATF)

EUROCONTROL report on ETS related facilities and services

Presentation Structure

- EUROCONTROL work in 2020
 - EUROCONTROL work plan in 2021
 - Transfer ETS experience/knowledge/systems/data to support States outside EEA (e.g. for ICAO CORSIA)
 - Feedback to Compliance Conference after 10 years of cooperation in ETS
 - Q&A and EUROCONTROL teams
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- EURONTROL is the international organization working to achieve safe and seamless air traffic management across Europe. Founded in 1960, EUROCONTROL currently has 41 member states, 1965 Staff. The EU has delegated parts of its European Single Sky regulations to EUROCONTROL, making it the central organization for coordination and planning of air traffic control for all of Europe.
 - ECAC is the European Civil Aviation Conference is an intergovernmental organization which was established by the International Civil Aviation Organization and the Council of Europe

EUROCONTROL accomplished work in 2020 since last Compliance Conference

- Participation in Aviation Task Force, Support to European Commission
- CRT deployment for CORSIA for EEA States
- Nominal operation of the ETS Support Facility (fleet lists, ELSO, helpdesk)
- Adaptations to reflect the linkage of the EU and Swiss ETSs
- Environmental Management Information for Stakeholders (EMIS) (25 States including Switzerland)
 - Deployments in LIVE in December 2020
 - SWISS linkage integration in ETS
 - CORSIA Support Facilities (CSF)
- Ad-hoc support to Competent Authorities (CA) and Aircraft Operators (AO)
- SET 2020 being prepared, delivery in December 2020
- Database extension for worldwide traffic data
 - Observed/monitored traffic
 - Data exchange with non ECAC states (e.g. Singapore)
 - Other data (availability of ADS-B derived data only through data purchase, procedure being prepared)
 - Intended traffic
 - INNOVATA (as of 2019, integration in ETS Support Facility progressed to 65%)

EUROCONTROL work plan on IT solutions for CAs of EEA States in 2021

- Aviation Task force & Compliance Conference
- Support to European Commission on ETS/CORSIA
- Database worldwide traffic data
 - Observed/monitored traffic
 - Data exchange with non ECAC states (e.g. Singapore)
 - Other data (ADS-B purchase and integration)
 - Intended traffic
 - INNOVATA (as of 2019, complete integration in ETS Support Facility)
- EMIS ETS Support Facility (ESF) deployment, replaces present ETSSF for CAs
- SET 2021 multi distances bands
- Report Checker for CORSIA for Aircraft Operators
- BREXIT integration
- Follow-up of possible changes to legislative measures
- UK, remains a ETS Support Facility user: what will be needed?

ETS Experience with EEA : supporting knowledge transfer by EUROCONTROL, via EMIS platform, to States outside the EEA (1/2)

- EMIS is the fruit of cooperation with EEA States and the European Commission since 2009/2010, and recently with Switzerland
- The EUROCONTROL organization includes:
 - 41 States, 10 States are non EEA
 - Israel and Morocco
- EUROCONTROL supports these States as well: best-practices and sustainability/environment studies/tasks
 - The EMIS CORSIA Support Facility and CRT will also be proposed to these non-EEA/Non ECAC States
 - Same conditions as for EEA States and Switzerland

ETS Experience with EEA : supporting knowledge transfer by EUROCONTROL, via EMIS platform, to States outside the EEA (2/2)

- EUROCONTROL contributes to studies of the European Commission and ICAO in the interest of its Member States, by making use of its large scale databases (historical traffic) and emissions modelling tools: SET and AEM (Advanced Emissions Modelling for CO₂, H₂O, Nox, Sox, HC, VOCs, OGs)
- Studies can also be performed for future traffic, based on multiple forecast scenario for traffic growth (COVID impact)

EUROCONTROL feedback to Compliance Conference after 10 years of excellent cooperation with members States and European Commission in ETS (1/3)

- At technical level
- Very good relation of trust between States and EUROCONTROL
 - EMIS expansions along years, numerous IT systems adaptations, due to ETS directive/MRV updates
- Sometime, not involved in the early stages of new works
 - ➔ Risk to not deliver systems/service/data on time for CAs users and aircraft operators

EUROCONTROL feedback to Compliance Conference after 10 years of excellent cooperation with members States and European Commission in ETS (2/3)

- EUROCONTROL has the competent and independent expertise level to provide support.
Proven experiences/know-how:
 - EU ETS and CH ETS
 - EEA annual report participation
 - ICAO CAEP participation
- EU ETS Compliance Conference, European Commission and EEA States are invited to call on EUROCONTROL for:
 - Pan-European/Worldwide studies on many emissions types (CO₂ and more) based on :
 - European traffic (observed), extended to worldwide traffic
 - Using EUROCONTROL traffic & emissions data as benchmark as in ETS (e.g. in ETSSF and ERE) and CORSIA (CSF)

EUROCONTROL feedback to Compliance Conference after 10 years of excellent cooperation with members States and European Commission in ETS (3/3)

EUROCONTROL is proud to be the Compliance Conference and Aviation Task Force European partner since 2010 that guarantees consistent and impartial analysis/advise in Aviation Emissions Impact Studies in support to EU ETS regulation:

- Studies ranging from the individual entity level (AO, CA) to global/regional/sectoral level (EEA, ECAC, worldwide)
- Single traffic database system
- no double counting of traffic/emissions (segregate flows in/out bounds and domestic)
- Recognised emissions modelling tools for CO₂ (SET) for and more pollution types (AEM/IMPACT)
- Same core experts team since 2009, team staff increased in 2021

Questions and Answers

- **Brussels team: sustainable aviation unit**
- Marylin Bastin (Head of Unit)
- Stefano Mancini (project manager, ICAO/CAEP/WG4/CTAG and MRV)
- Nicolas De Brabanter (database expert and business analyst, ICAO/CAEP/WG4/CTAG)
- Antonio Astorino (IT design and business analyst)
- Bruno Lambin (IT design manager)
- Jorge Pinto (Environment engineer)
- Armando Cairoli (Aircraft Operators focal point)
- Adelina Atanasova (ELSO support and SAF expert)
- Yalcin Ferhat (senior developer)
- Aurelian Dinu (external .NET developer)
- Rachel Burbidge (Climate Change, ICAO/CAEP/WG4 and WG2)
- **Bretigny team (AEM) : Robin Deransy (project manager)..and many others**