



MINISTERO DELL'AMBIENTE  
E DELLA TUTELA DEL TERRITORIO E DEL MARE



## *Italy's experience in approving EU ETS&CORSA Emissions Monitoring Plans*

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CORSA Focal Point**

**Brussels, 27 November 2019**



# Agenda

1. Competent Authority
2. Aeroplane operators involved
3. Capacity building and training
4. EMPs
5. Issues & opportunities





# Competent Authority

**Ministry of Environment  
& ETS Committee**



Reg. (EU)2017/2392

Reg. MRR

Reg. AVR

Delegated Act



**ENAC**

Italian Civil Aviation Authority



**ETS Committee**

Interministerial Committee  
(Ministries, including Ministry of  
Environment and ENAC)



## 7 aeroplane operators

**State:** Italy

| Aeroplane Operator Name                           | Attribution Method | Identifier |
|---|--------------------|------------|
| Air Dolomiti S.p.A. Linee Aeree Regionali Europee | ICAO Designator    | DLA        |
| Air Italy S.p.A.                                  | ICAO Designator    | ISS        |
| Alitalia - Società Aerea Italiana S.p.A.          | ICAO Designator    | AZA        |
| Blue Panorama Airlines S.p.A                      | ICAO Designator    | BPA        |
| Cargolux Italia S.p.A.                            | ICAO Designator    | ICV        |
| Ernest S.p.A.                                     | ICAO Designator    | ERN        |
| Neos S.p.A  | ICAO Designator    | NOS        |

*also involved in EU ETS process*



## 2017-2019 ENAC organized:

- 2 Workshops on CORSIA

for Public Administrations, Aeroplane Operators, NAB and verification bodies

- 4 meetings for AOs:

- CORSIA and MRV System
- EU ETS&CORSIA Emission Monitoring Plan - template
- Reg. MRR, Reg. AVR, EU ETS&CORSIA Annual Emission Report - template, 1° draft
- Delegated Act, EU ETS&CORSIA Annual Emission Report - template, 2° draft



# EMPs

January 2019 Ministry of Environment through ETS Committee asked AOs for:

- CORSIA requirements
- EU ETS&CORSIA Emission Monitoring Plan

March 2019 ETS Committee received 7 EMPs

→ all approved

|          | A   | B  | C                              | D                | E           | F             | G | H | I |  |          |                           |            |                                |                  |             |               |
|----------|---|--|--------------------------------|------------------|-------------|---------------|---|---|---|--|----------|---------------------------|------------|--------------------------------|------------------|-------------|---------------|
| 1        | <b>ANNUAL EMISSIONS MONITORING PLAN</b>   |  |                                |                  |             |               |   |   |   |  |          |                           |            |                                |                  |             |               |
| 2        | <b><u>Used for combined reporting under the EU ETS and</u></b>  |  |                                |                  |             |               |   |   |   |  |          |                           |            |                                |                  |             |               |
| 3        | <b><u>ICAO CORSIA</u></b>   |  |                                |                  |             |               |   |   |   |  |          |                           |            |                                |                  |             |               |
| 4        | <b>CONTENTS</b>   |  |                                |                  |             |               |   |   |   |  |          |                           |            |                                |                  |             |               |
| 5        | 0   | <a href="#">Guidelines and conditions</a>  |                                |                  |             |               |   |   |   |  |          |                           |            |                                |                  |             |               |
| 6        | 1   | <a href="#">Monitoring Plan versions</a>   |                                |                  |             |               |   |   |   |  |          |                           |            |                                |                  |             |               |
| 7        | 2   | <a href="#">Identification of the aircraft operator</a>  |                                |                  |             |               |   |   |   |  |          |                           |            |                                |                  |             |               |
| 8        | 3   | <a href="#">Contact details</a>  |                                |                  |             |               |   |   |   |  |          |                           |            |                                |                  |             |               |
| 9        | 4   | <a href="#">Emission sources and fleet characteristics</a>   |                                |                  |             |               |   |   |   |  |          |                           |            |                                |                  |             |               |
| 10       | 5   | <a href="#">Eligibility for simplified procedures for small emitters under the EU ETS</a>  |                                |                  |             |               |   |   |   |  |          |                           |            |                                |                  |             |               |
| 11       | 6   | <a href="#">Additional information on CORSIA methodologies and use of CERT</a>   |                                |                  |             |               |   |   |   |  |          |                           |            |                                |                  |             |               |
| 12       | 7   | <a href="#">Activity data</a>  |                                |                  |             |               |   |   |   |  |          |                           |            |                                |                  |             |               |
| 13       | 8   | <a href="#">Emission factors</a>   |                                |                  |             |               |   |   |   |  |          |                           |            |                                |                  |             |               |
| 14       | 9   | <a href="#">Monitoring of CORSIA eligible fuels claims</a>   |                                |                  |             |               |   |   |   |  |          |                           |            |                                |                  |             |               |
| 15       | 10  | <a href="#">Simplified calculation under the EU ETS</a>  |                                |                  |             |               |   |   |   |  |          |                           |            |                                |                  |             |               |
| 16       | 11  | <a href="#">Data Gaps</a>  |                                |                  |             |               |   |   |   |  |          |                           |            |                                |                  |             |               |
| 17       | 12  | <a href="#">Management</a>   |                                |                  |             |               |   |   |   |  |          |                           |            |                                |                  |             |               |
| 18       | 13  | <a href="#">Data Flow Activities</a>   |                                |                  |             |               |   |   |   |  |          |                           |            |                                |                  |             |               |
| 19       | 14  | <a href="#">Control Activities</a>   |                                |                  |             |               |   |   |   |  |          |                           |            |                                |                  |             |               |
| 20       | 15  | <a href="#">List of definitions and abbreviations used</a>   |                                |                  |             |               |   |   |   |  |          |                           |            |                                |                  |             |               |
| 21       | 16  | <a href="#">Additional information</a>   |                                |                  |             |               |   |   |   |  |          |                           |            |                                |                  |             |               |
| 22       | 17  | <a href="#">Member State specific further information</a>  |                                |                  |             |               |   |   |   |  |          |                           |            |                                |                  |             |               |
| 23       |   |  |                                |                  |             |               |   |   |   |  |          |                           |            |                                |                  |             |               |
| 24       |   |  |                                |                  |             |               |   |   |   |  |          |                           |            |                                |                  |             |               |
| 25       |   | <b>Information about this file:</b>  |                                |                  |             |               |   |   |   |  |          |                           |            |                                |                  |             |               |
| 26       |   | This monitoring plan was submitted by: <table border="1" style="width: 100%; height: 15px; background-color: #e0ffe0;"><tr><td> </td></tr></table>                 |                                |                  |             |               |   |   |   |  |          |                           |            |                                |                  |             |               |
|          |   |  |                                |                  |             |               |   |   |   |  |          |                           |            |                                |                  |             |               |
| 27       |   | Unique Identifier of the aircraft operator (CRCO No.): <table border="1" style="width: 100%; height: 15px; background-color: #e0ffe0;"><tr><td> </td></tr></table> |                                |                  |             |               |   |   |   |  |          |                           |            |                                |                  |             |               |
|          |   |  |                                |                  |             |               |   |   |   |  |          |                           |            |                                |                  |             |               |
| 28       |   | Version Number of this monitoring plan: <table border="1" style="width: 100%; height: 15px; background-color: #e0ffe0;"><tr><td> </td></tr></table>                |                                |                  |             |               |   |   |   |  |          |                           |            |                                |                  |             |               |
|          |   |  |                                |                  |             |               |   |   |   |  |          |                           |            |                                |                  |             |               |
| 29       |   | This monitoring plan is used for CORSIA: <table border="1" style="width: 100%; height: 15px; background-color: #e0ffe0;"><tr><td> </td></tr></table>               |                                |                  |             |               |   |   |   |  |          |                           |            |                                |                  |             |               |
|          |   |  |                                |                  |             |               |   |   |   |  |          |                           |            |                                |                  |             |               |
| 30       |   |  |                                |                  |             |               |   |   |   |  |          |                           |            |                                |                  |             |               |
| 31       |   | <b>If your competent authority requires you to hand in a signed paper copy of the monitoring plan, please use the space below for signature:</b>                   |                                |                  |             |               |   |   |   |  |          |                           |            |                                |                  |             |               |
| 32       |   |  |                                |                  |             |               |   |   |   |  |          |                           |            |                                |                  |             |               |
| 33       |   |  |                                |                  |             |               |   |   |   |  |          |                           |            |                                |                  |             |               |
| 34       |   |  |                                |                  |             |               |   |   |   |  |          |                           |            |                                |                  |             |               |
| 35       |   |  |                                |                  |             |               |   |   |   |  |          |                           |            |                                |                  |             |               |
| 36       |   |  |                                |                  |             |               |   |   |   |  |          |                           |            |                                |                  |             |               |
|          | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%; text-align: center;">Contents</td> <td style="width: 10%; text-align: center;">Guidelines and conditions</td> <td style="width: 10%; text-align: center;">MPversions</td> <td style="width: 10%; text-align: center;">Identification and description</td> <td style="width: 10%; text-align: center;">Emission sources</td> <td style="width: 10%; text-align: center;">Calculation</td> <td style="width: 10%; text-align: center;">Simplified ca</td> </tr> </table> |  |                                |                  |             |               |   |   |   |  | Contents | Guidelines and conditions | MPversions | Identification and description | Emission sources | Calculation | Simplified ca |
| Contents | Guidelines and conditions   | MPversions   | Identification and description | Emission sources | Calculation | Simplified ca |   |   |   |  |          |                           |            |                                |                  |             |               |



# Issues & opportunities

## ETS Committee asked AOs to modify/integrate the EMPs:

- new AOs' procedures for determining whether flights fall under EU ETS or CORSIA

*Emission sources, points g), h)*

|     | B | C | D | E | F | G | H | I | J | K | L | M | N | O |
|-----|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
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| 117 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
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| 122 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
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| 127 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 128 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 129 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 130 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 131 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 132 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

**(g) Please provide details about the procedures for determining whether flights are covered by Annex I of the Directive and/or CORSIA, ensuring completeness and avoiding double counting.**  
*Please detail the systems in place to keep an updated detailed list of flights during the monitoring period which are included/excluded from EU ETS and/or CORSIA, as well as the procedures in place to ensure completeness and non-duplication of data.*  
*It is recommended to include steps in this procedure which allow the distinction of intra-EEA flights ("reduced scope") and flights falling under the "full scope" of the EU ETS. For more information see IPRR guidance document 2, "The Monitoring and Reporting Regulation – General guidance for Aircraft Operators". This document can be found at:*  
[https://ec.europa.eu/clima/sites/clima/files/ets/monitoring/docs/dg2\\_guidance\\_aircraft\\_en.pdf](https://ec.europa.eu/clima/sites/clima/files/ets/monitoring/docs/dg2_guidance_aircraft_en.pdf)

*For differences in coverage of EU ETS and CORSIA, please see sheet "Guidelines and conditions" of this template, and relevant guidance material provided.*

|   |  |
|---|--|
| Title of procedure                      |  |
| Reference for procedure                 |  |
| Brief description of procedure          |  |
| Post or department responsible for data |  |
| Location where records are kept         |  |
| Name of system used (where applicable)  |  |

**(h) Please describe here the procedure for determining whether flights fall under CORSIA, ensuring completeness and avoiding double-counting.**  
*This section has to be filled only if the procedure described under (g) does not contain the necessary determination steps. Note that there are flights which can fall under both, the EU ETS and CORSIA. It is recommended to include appropriate steps in this procedure for identifying those flights.*  
*Special care should be taken to ensure that this procedure leads to a distinction between flights with offsetting requirement as described in Annex 16, Volume IV, Part II, Chapter 3, 3.1., and other flights, for the period from 1 January 2021.*  
*For this purpose the procedure must include a regular checking of the CORSIA implementation element "CORSIA States for Chapter 3 State Pair".*  
<https://www.icao.int/environmental-protection/CORSIA/Pages/state-pairs.aspx>

|   |  |
|---|--|
| Title of procedure                      |  |
| Reference for procedure                 |  |
| Brief description of procedure          |  |
| Post or department responsible for data |  |
| Location where records are kept         |  |

Contents Guidelines and conditions MPversions Identification and description **Emission sources** Calculation Simplified calcul



- to specify how they estimate the total annual fossil CO<sub>2</sub> emissions in ETS full/reduced scope and in CORSIA

*Emission sources, points i), j) and k)*

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- (i) **Please provide an estimate/prediction of the total annual fossil CO<sub>2</sub> emissions for Annex I activities.**

*The figure should only include those flights, which are covered by EU ETS (full scope).*

tonnes CO<sub>2</sub>

- (j) **Please provide an estimate/prediction of the total annual fossil CO<sub>2</sub> emissions on intra-EEA flights only.**

*The figure should only include those flights, which are covered by EU ETS (reduced scope).*

tonnes CO<sub>2</sub>

- (k) **Please provide an estimate/prediction of the total annual fossil CO<sub>2</sub> emissions for international flights covered by CORSIA.**

*The figure should include all international flights which fall under the scope of CORSIA. In this case, flights covered by CORSIA which are also covered by the EU ETS, where flights depart and arrive in different EEA States, shall also be taken into account.*

tonnes CO<sub>2</sub>



# Issues & opportunities

- to provide information on any secondary data sources for avoiding data gaps under CORSIA

*Simplified calculation of CO2 emission, 11- Data gaps, point c)*

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## 11 Data Gaps

Where data relevant for the determination of an aircraft operator's emissions is missing, the aircraft operator shall use surrogate data calculated in accordance with an alternative method approved by the competent authority. The reasons why the data gap methodology has been applied and the quantity of emissions for which such approach is used shall be specified in the annual emissions report.

*Note that - unless specific requirements are mentioned - the procedures below are considered to apply to both monitoring obligations, i.e. under the EU ETS and CORSIA. Where your procedures differ between both systems, please outline the differences in the "description" field.*

(a) Please provide a brief description of the method to be used for the EU ETS to estimate fuel consumption when data is missing according to the conditions as outlined above.

(b) For EU ETS purposes, where surrogate data cannot be determined by the method described under 11(a), the emissions may be estimated from fuel consumption determined using a tool as specified in Article 54(2) of the MRR. Please specify the Commission approved tool used in this instance:  
Please select

(c) Please provide information on any secondary data sources you intend to use for avoiding data gaps under CORSIA:

(d) Please confirm which tool you intend to use for filling data gaps or correcting erroneous data under CORSIA.  
Tool chosen: Please select

(e) Input method used for CERT, if applicable  
*In case you use CERT for filling data gaps or for correcting erroneous data, please specify whether Great Circle Distance or Block Time is used to estimate emissions for the reporting periods. As deviations from the chosen method may be necessary due to the specific situation of the data gaps, the method chosen should be understood as "preferred method".*  
Method chosen:

(f) Further description of the method used to obtain CERT input data, if applicable

(g) Please provide a short description of the methodology to treat data gaps regarding other parameters than fuel

Contents | Guidelines and conditions | MPversions | Identification and description | Emission sources | Calculation | **Simplified calculation**



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*thank you for your  
attention !*

*any questions?*



**Brussels, 27 November 2019**



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E DELLA TUTELA DEL TERRITORIO E DEL MARE



ENTE NAZIONALE PER L'AVIAZIONE CIVILE  
ITALIAN CIVIL AVIATION AUTHORITY

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**Brussels, 27 November 2019**