ICAO Regional Seminar on CORSIA

Session 4: CORSIA CO₂ Information Flow and Registry System

ICAO Secretariat



Objectives

- Provide an overview of the CORSIA CO₂ Information Flow
 - Chronological actions by stakeholders (what and to whom)
 - Monitoring (from Session #2 of this seminar)
 - Reporting and Verification (from Session #3 of this seminar)
 - Timeframes (when)

- Provide an overview of the ICAO CORSIA Central Registry (CCR)*
 - Basic Functions
 - Input Data/Information
 - Output Data/Information



Session 4, Part 1: CORSIA CO₂ Emissions Data Information Flow



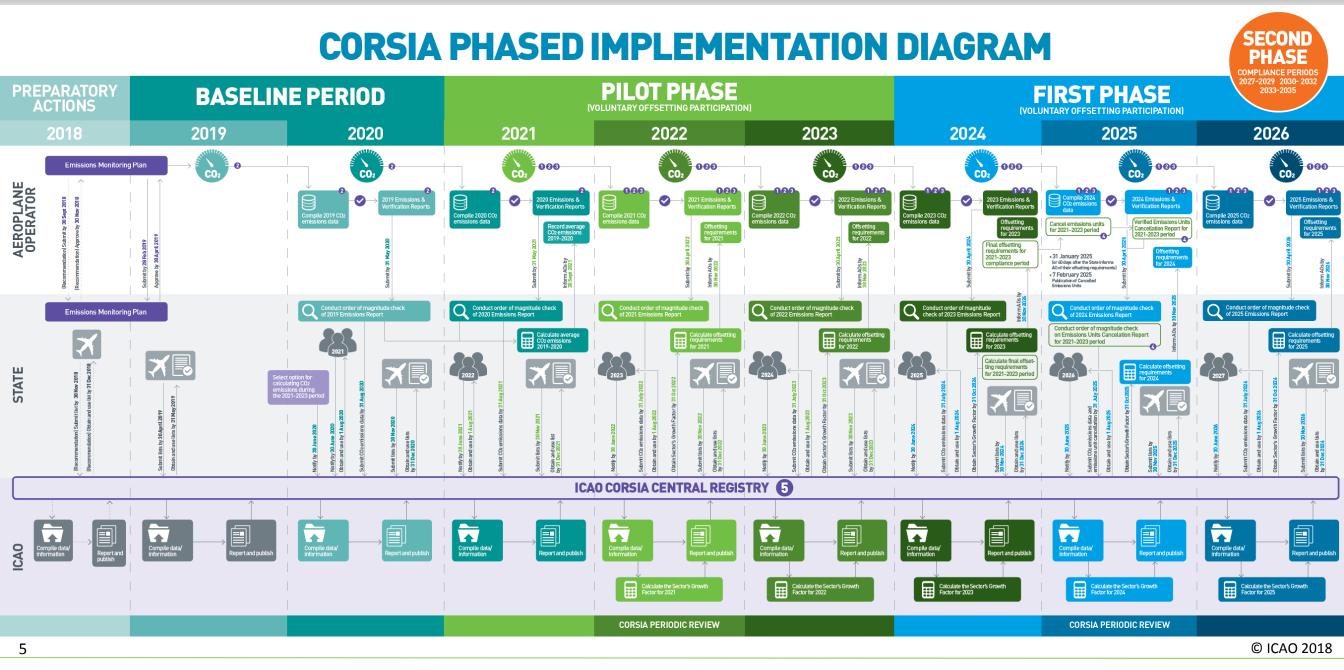


Data Information Flow – Actions and Timeline

- States and Aeroplane Operators are requested to comply with the provisions in Chapters 2, 3, and 4 of Part II of the draft Annex 16, Volume IV in accordance with the timeline as defined in Appendix 1
- Purpose of Appendix 1 of the draft Annex 16, Volume IV:
 - Summarises administrative roles and responsibilities of the stakeholders involved
 - Provides a list of activities and the associated date by which the activities shall be completed



CORSIA Actions and CO₂ Information Flow





Recommended Actions - 2018

	TIMELINE FOR ACTION	STATE	AEROPLANE OPERATOR
ions	February	Designate a focal point for CORSIA implementation	Designate a focal point for CORSIA implementation
	March/April	Participate in ICAO's CORSIA training and capacity building	
Recommended Preparatory Actions	May/June	Coordinate necessary actions with focal points of aeroplane operators attributed to your State	 Engage with the State focal point for information and requirements on CORSIA in your State
led Prepa	July/August		 Assess whether your airline is eligible to use ICAO CORSIA CO₂ Estimation and Reporting Tool (CERT) for the monitoring of CO₂ emissions
mmend	30 September		 Submit an Emissions Monitoring Plan to your State for approval (Recommended)
2018 Recor		 Approve the aeroplane operator's Emissions Monitoring Plan (Recommended) Send a list of aeroplane operators attributed to your State to ICAO 	
	31 December	Obtain and use the ICAO document entitled "CORSIA Aeroplane Operator to State Attributions"	
	December	Establish necessary national regulatory framework	



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Aeroplane operator's Emissions Monitoring Plan





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Attribution of aeroplane operators to States





	TIMELINE FOR ACTION	STATE	AEROPLANE OPERATOR
	1 January/ 31 December		Monitor 2019 CO2 emissions from international flights in accordance with the Emissions Monitoring Plan
	28 February		Submit an Emissions Monitoring Plan to your State for approval
2019	30 April	 Approve the aeroplane operator's Emissions Monitoring Plan 	
	30 April	 Submit lists of aeroplane operators attributed to your State and verification bodies accredited in your State to ICAO 	
	31 May	 Obtain and use ICAO document entitled "CORSIA Aeroplane Operator to State Attributions" 	



31 May

"CORSIA Aeroplane Operator to State

Attributions"

Required Actions - 2019

	TIMELINE FOR ACTION	STATE	AEROPLANE OPERATOR	
	1 January/ 31 December		O Monitor 2019 CO2 emissions from international flights in accordance with the Emissions Monitoring Plan	Monitoring period (2019 CO ₂ emissions)
	28 February		Submit an Emissions Monitoring Plan to your State for approval	(Session #2)
2019	30 April	Approve the aeroplane operator's Emissions Monitoring Plan		
	30 April	 Submit lists of aeroplane operators attributed to your State and verification bodies accredited in your State to ICAO 		
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Attribution of aeroplane operators to States





	TIMELINE FOR ACTION	STATE	AEROPLANE OPERATOR
	1 January - 31 December		Monitor 2020 CO ₂ emissions from international flights in accordance with the Emissions Monitoring Plan
2020	1 January - 31 May		 Compile 2019 CO2 emissions data Perform an internal pre-verification of the 2019 Emissions Report Consult ICAO document "CORSIA Central Registry (CCR): Information and Data for Transparency" in order to identify an accredited verification body for the verification of the Emissions Report for 2019 Engage a verification body for the verification of the 2019 Emissions Report
	By 31 May		Submit the verified 2019 Emissions Report and associated Verification Report to your State
	1 June - 31 August	 Conduct an order of magnitude check of the aeroplane operator's verified 2019 Emissions Report 	

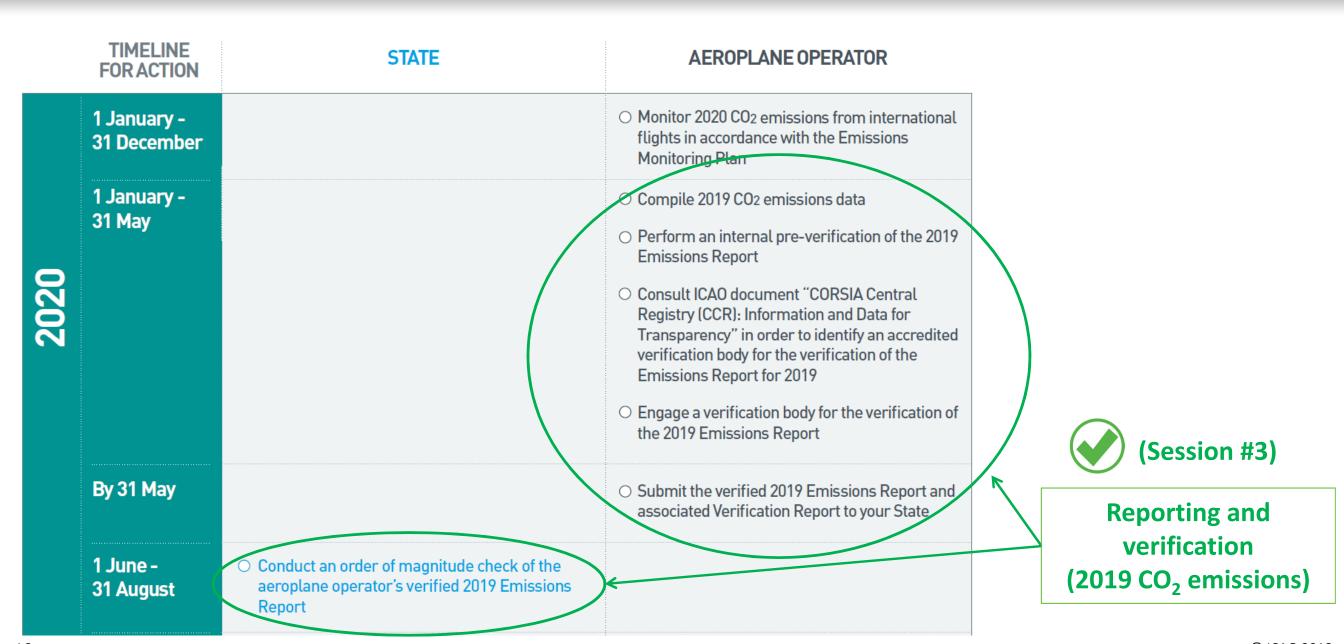


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	By 31 May		 Submit the verified 2019 Emissions Report and associated Verification Report to your State
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Monitoring period (2020 CO₂ emissions)









	TIMELINE FOR ACTION	STATE	AEROPLANE OPERATOR
2020	30 June	 Notify ICAO of your State's participation in CORSIA offsetting in year 2021 Notify ICAO which option your State has selected for calculating the aeroplane operator's CO2 emissions during the 2021-2023 period 	
7(1 August	Obtain and use the ICAO document entitled "CORSIA States for Chapter 3 State Pairs"	
	31 August	○ Submit 2019 CO2 emissions data to ICAO	
	30 November	 Submit updates to the list of aeroplane operators attributed to your State and updates to the verification bodies accredited in your State to ICAO 	
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7	1 August	Obtain and use the ICAO document entitled "CORSIA States for Chapter 3 State Pairs"		Reporting and verification
	31 August	O Submit 2019 CO2 emissions data to ICAO		(2019 CO ₂ emissions)
	30 November	 Submit updates to the list of aeroplane operators attributed to your State and updates to the verification bodies accredited in your State to ICAO 		(Session #3)
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Attribution of aeroplane operators to States





Session 4, Part 2: Registry System





<u>Description</u>: to allow for implementation of CORSIA, information will be made available from the ICAO CORSIA central registry (CCR)* for:

- States to submit CORSIA specific data / information to ICAO
- ICAO to prepare and present consolidated data via an ICAO CORSIA web-site for public access

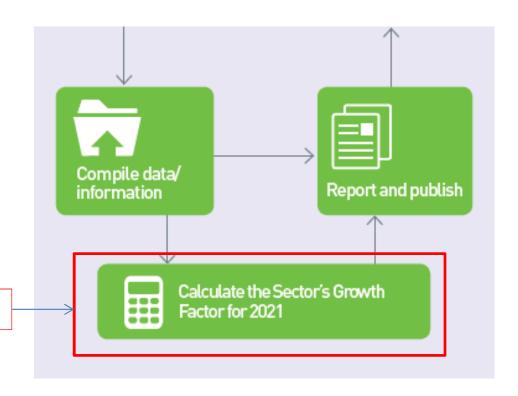


Functionality:*

- Data Collection
 - Receive specified data from each State, in a standardised format template
- Data Analysis / Management
 - Consolidate data
 - Perform specified calculations
 - Sectoral Growth Factor

Covered in session #5

- Data Reporting / Publication
 - Present via an ICAO CORSIA web-site for public access





Input Data / Information:



CO₂ emissions data for international flights



List of aeroplane operators attributed to the State



Verification body/bodies accredited to the State



State participation in CORSIA for a given year



Sustainable Aviation Fuel (SAF)



Cancelled emissions units

Covered in session #5



Output Data / Information:

- "CORSIA Aeroplane Operator to State Attributions"
 - Includes a list of Aeroplane Operators and the State to which they are attributed
- "CORSIA 2020 Emissions"
 - Includes the total international aviation CO₂ emissions in 2020
- "CORSIA Annual Sector's Growth Factor"

Covered in session #5

- CORSIA Implementation Elements
 - CORSIA Offsetting Participation State Pairs / Routes
 - CORSIA Sustainable Aviation Fuels
 - CORSIA Eligible Emissions Units



Availability:*

- Expected availability in 2020
 - Procurement / development process will start after the adoption of Annex 16 Volume IV by the ICAO Council
- Periodicity of updates
 - From 2020: annual update of total CO₂ emissions data
 - From 2025: triennial update of information on emissions units and compliance



Questions?

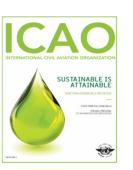


Thank you!

















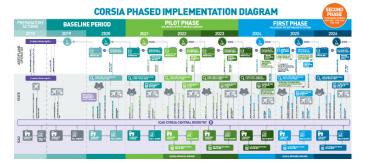












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