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SESSION 6 Environmental Protection

Industry Initiatives on Decarbonising aviation

ANSP Environmental Accreditation

21 – 22 August 2023 Nairobi, Kenya







Why an accreditation programme?

- Increasing pressure from regulators, governments, airspace customers and employees to objectively demonstrate that we are doing whatever we can
- Existing programmes don't fit ANSP unique business well
- Environmental accreditation programmes in aviation already exist that cover airports, airlines, business aviation and cargo operators
- GreenATM will enable us to celebrate accomplishments, encourage higher levels of ambition and increase adoption of best practice



The Guide to GreenATM Accreditation

A Manual for the CANSO Environmental Accreditation Programme



CANSO





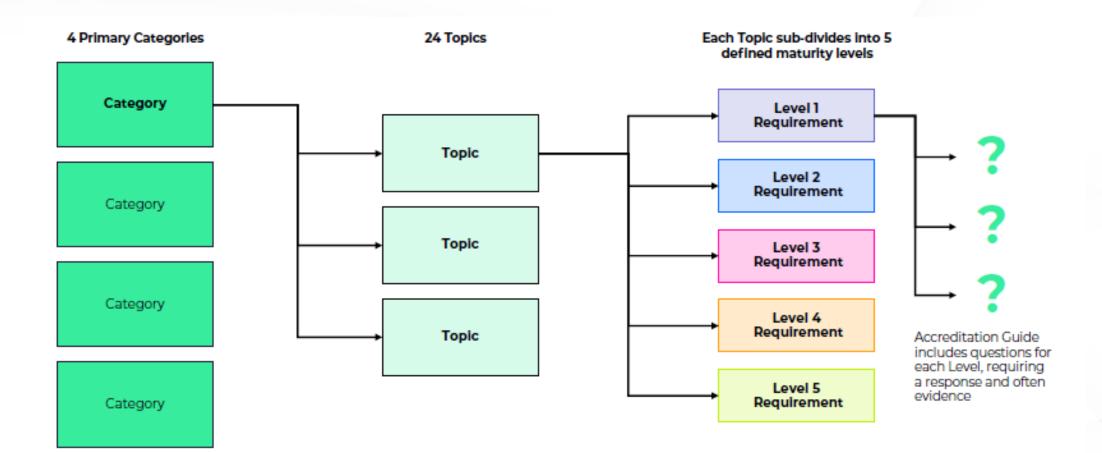
Programme Manual

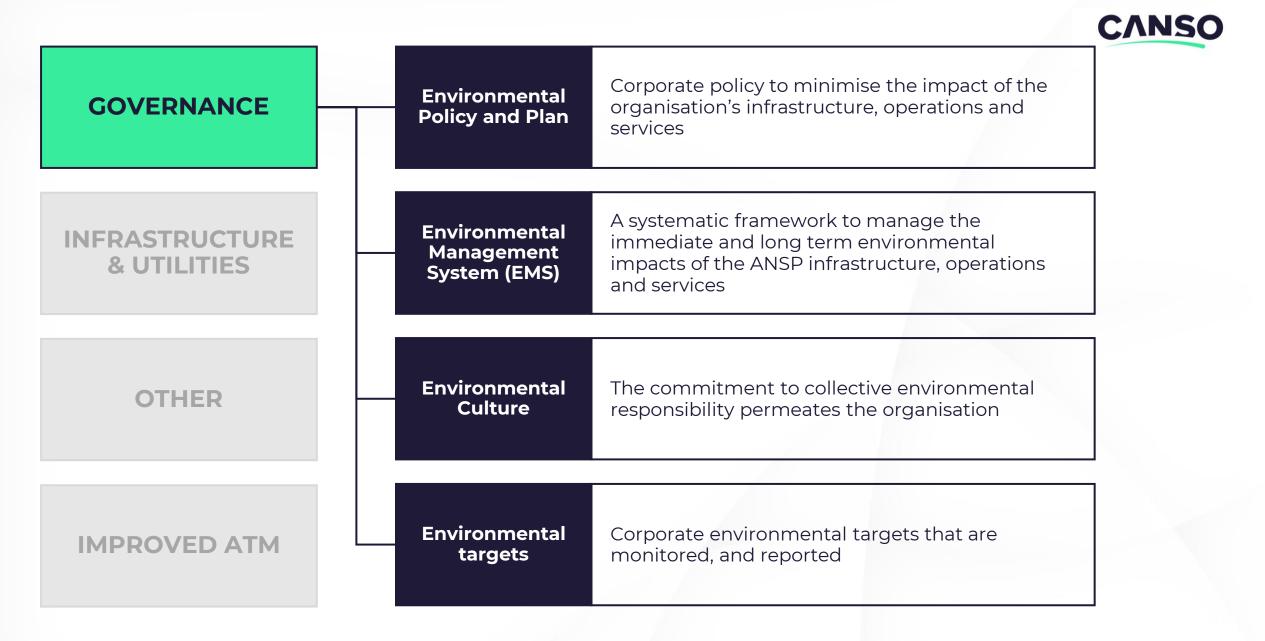
Provides comprehensive information on:

- How the programme is structured
- How to complete the questionnaire
- Accreditation Scoring
- Recognition for third party accreditations
- Accreditation validity period
- Fees
- Trial participation
- Overview of all categories and topics how they contribute to environmental benefit and explanation of the 5 Level Objectives
- Sample responses / evidence



Accreditation scheme structure





Г	Flexible Use Airspace	Optimising flight trajectory through the proactive allocation of		CANSO
GOVERNANCE		airspace based on real-use	Continuous Descent Operations	Facilitating CDO, from as high as practicable, to minimise fuel-burn, and at lower altitudes noise
	– Met Services	Enabling operational efficiency, dynamic trajectory management and supporting collaborative mgmt. of severe weather events.	Wake	impacts. Optimising wake separation to
INFRASTRUCTURE & UTILITIES	Improved surveillance	Optimising flight efficiency via improved coverage and separation	turbulence optimisation	reduce delays and emissions through improved operational efficiency.
		standards. Maximising the use of PBN in all	Trajectory Optimisation	Optimisation of enroute operations including FRA and other methods
OTHER	Performance Based Navigation	flight stages to optimise flight efficiency and capacity management		CDM applied to challenges of
	Air Traffic Flow	Optimal management of air traffic demand to minimise congestion thereby increasing flight efficiency.	Airport CDM	airport congestion
IMPROVED ATM	Management		Surface management	Improved flow of aircraft and vehicle ground traffic.
	Continuous Climb Operations	Facilitating the use of CCO to minimise noise impacts and fuel- burn.	Research and Development	Contribution to trials and research activities which increase understanding of efficiency



Environmental Accreditation

CANSO is committed to the global aviation industry's goal of netzero carbon emissions by 2050 and to ensuring that ATM is able to contribute to that goal by putting in place operational measures to enable airspace users to minimise excess fuel burn and emissions.

The launch of an environmental accreditation program for ANSPs will provide objective benchmarking and inspire and encourage higher levels of ambition and action, helping to ensure collective ANSP's contribution to that goal.



Way Forward

- First accreditation (Europe Region) March 2023
- CANSO championing the initiative with a few ANSPs in Africa
- A Task Team has been formed (first meeting end August) focus on alignment (with other initiatives), process, sharing best practice and creation of awareness
- Future awareness platforms will created / arranged with other stakeholders

THANK YOU



SHAPING OUR FUTURE SKIES