



Interaction between SSP and SMS

Chiang Hai Eng
Director Asia Pacific Affairs
CANSO

TRANSFORMING
GLOBAL ATM PERFORMANCE

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CANSO and ATM Safety

- Global Voice of ATM with over 160 Members and Associate Members
- CANSO's global safety efforts are driven by its Safety Standing Committee and expert workgroups.
- In APAC we have a Regional Safety Workgroup that collaborates on safety improvement, share best practices and guide ANSPs' safety programmes
- In Africa we have an ATM Safety Peer Review Initiative where ANSPs conduct peer reviews of each other's SMS with CANSO coordinating and providing expert guidance



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State Safety Program (SSP) and ANSP SMS Relationship

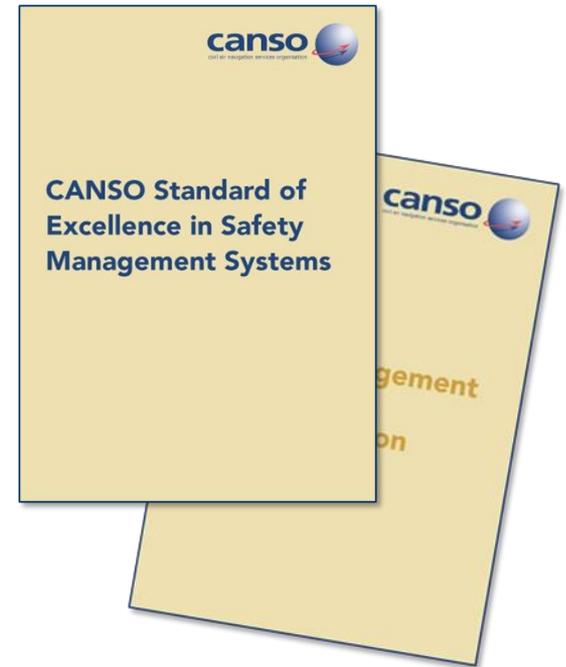
Under ICAO Annex 19, the state requires the service provider to establish and maintain an SMS for ATM services.



- ANSP establishes its SMS
 - ANSP establishes safety performance targets and KPIs to share with the SSP
 - ANSP establishes scheme to collect, analyse and report safety data
- Approves the ANSP's SMS
 - Requires ANSP to report selected safety data
 - Approves safety data collection scheme

CANSO Tools for SMS Measurement

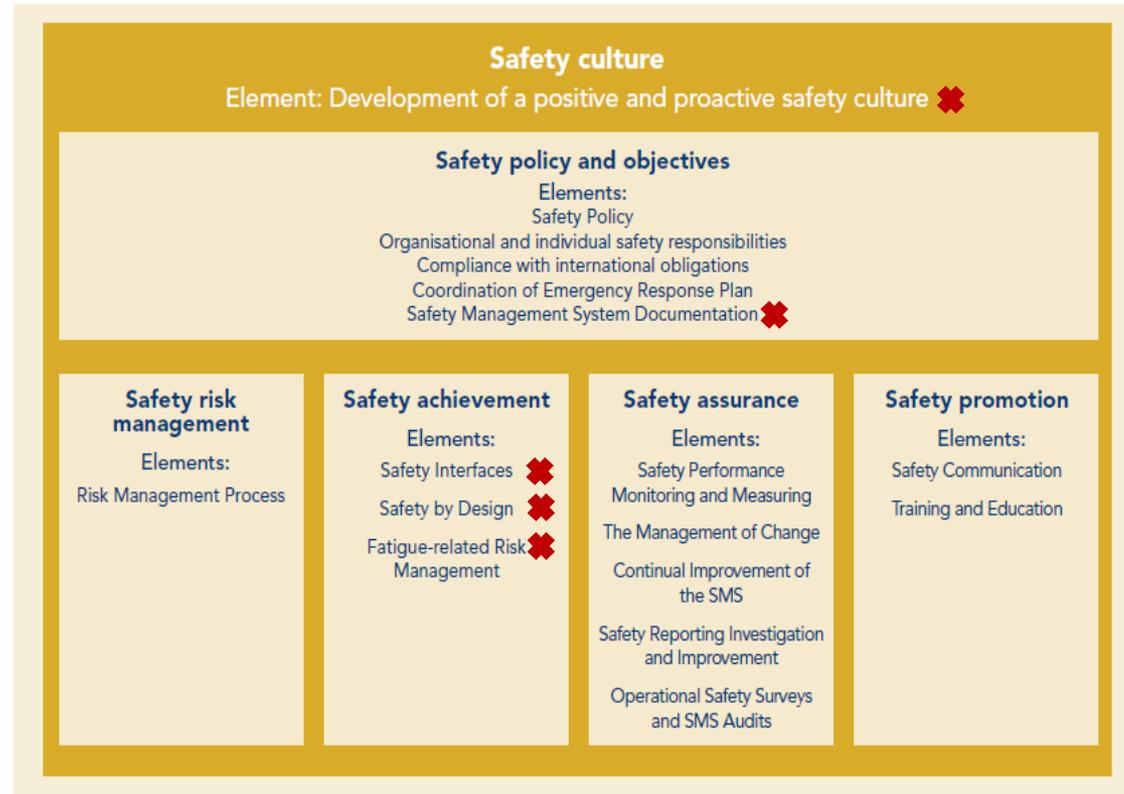
- Guidance material :
CANSO Standard of Excellence in Safety Management Systems
- Self Assessment/Survey:
EUROCONTROL/CANSO SoE in SMS Maturity Questionnaire
- Independent Expert Assessment:
SEANS-Safety



Relationship between the CANSO SoE and ICAO Annex 19

The SoE goes *further* than Annex 19 so these elements DO NOT relate to Annex 19 compliance:

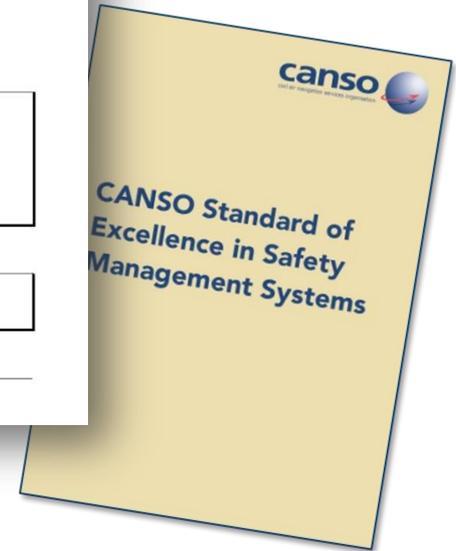
- Safety Culture
 - SMS Documentation
 - Safety Interfaces
 - Safety by Design
 - Fatigue Related Risk Management
- ❖ Beyond the Scope of Annex 19



Standard of Excellence in SMS Questionnaire

The ***EUROCONTROL/CANSO Standard of Excellence in Safety Management Systems Questionnaire*** walks the ANSP through 17 Study Areas covered in the ***CANSO Standard of Excellence in SMS***, asking specific questions about the components of its SMS.

By answering the questionnaire, the ANSP is able to identify areas of strength, as well as areas that need improvement in their SMS.



SEANS-Safety - CANSO Expert Assessment Programme

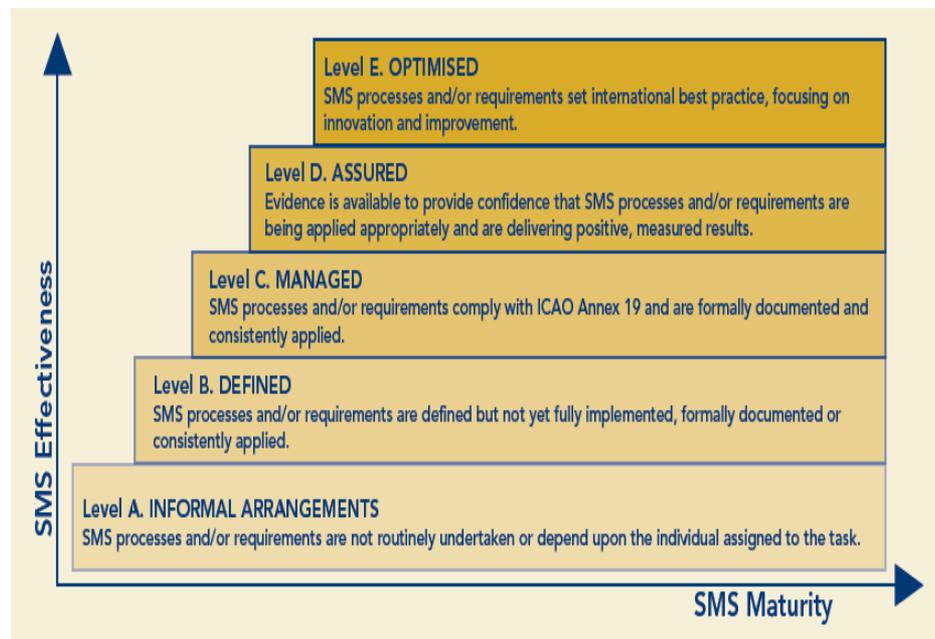
SEANS-Safety provides an independent, expert assessment and validation of the SMS maturity levels of CANSO Member ANSPs

- The **CANSO SoE in SMS** is the guidance for all SEANS-Safety Assessments
- SEANS-Safety assessments are confidential
- Assessment can be used to determine compliance with ICAO Annex 19: Safety Management



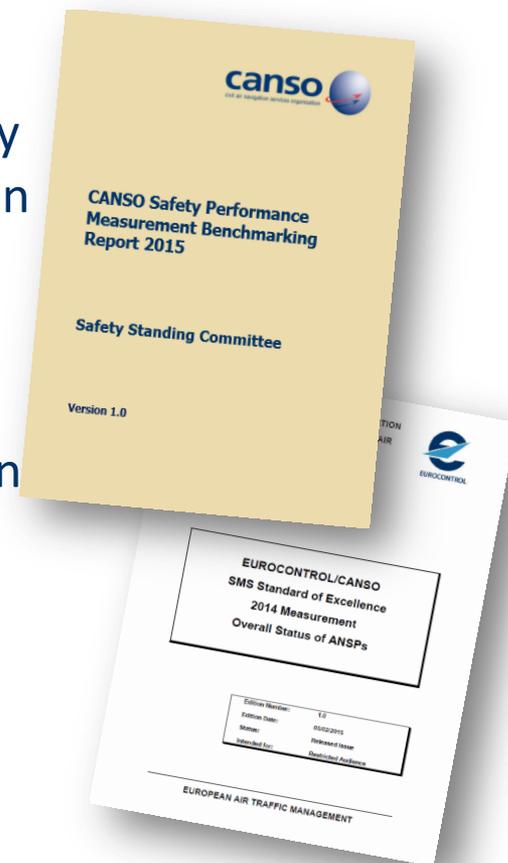
SEANS-Safety Results

- ✓ SMS maturity level can be a leading indicator of an ANSP's safety performance.
- ✓ Achieving **Level C of Maturity -- Managed** gives the ANSP the assurance that it is in compliance with international requirements such as Annex 19, and more importantly...
- ✓ The ANSP will have **assurance** that its SMS processes and requirements are formally documented and consistently applied.



One more tool - Safety Performance Benchmarking

- Each year the CANSO Safety Standing Committee invites Members to participate in confidential Safety Performance Benchmarking. Reports include data on
 - IFR-IFR Losses of Separation
 - Runway Incursions
 - SMS Maturity Levels
- Understanding of your ANSP's safety performance in light of regional and global metrics
- Ability to compare safety performance with similar ANSPs in order to *identify potential differences that have either positive or negative impact on safety performance*



Working Together - Fostering Trust and System Integrity



- Establish a proper **framework for regular dialogue** between the Regulator and Service Provider
- Establish a **mutually agreed reporting structure** from Service Provider to Regulator to ensure integrity of the system
- Consult Service Provider for **inputs and feedback** on policies and framework changes

Thank you!



CANSO Headquarters
Transpolis Schiphol Airport
Polaris Avenue 85e
2132 JH Hoofddorp
the Netherlands

tel: +31 (0)23 568 5380
fax: +31 (0)23 568 5389
email: info@canso.org