

NACC SMS SEMINAR

THE CANADIAN SMS EXPERIENCE

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SOME COMMENTS

- SMS is work intensive, but it works
- Surveillance tools are :
 - Global Assessment
 - Program Validation Inspection (PVI)
 - Process Inspections (PI)
- Development and implementation is long
- 4 year gradual implementation strategy
- Adapt to size and complexity
- Regulation is key to ensure compliance
- Effective relationship with ANSP



TC ANS DIVISION

- 15 inspectors
- Air Traffic Control
- Flight Service Specialists
- Aviation Weather
- Level of Service
- CNS/ATM
- AIS

The logo graphic for NAV CANADA features a blue gradient background with white and light blue wavy lines that sweep across the top of the slide.

NAV CANADA

- CANSCA (before 1996 and after)
- NAV CANADA has the monopole
 - 5400 employees
 - 45 Control Towers (VFR)
 - 58 FSS towers (VFR)
 - 7 Area Control Center (IFR)
 - 8 Flight Information Centers
 - Near 2000 instruments approaches
- Gander Oceanic (85% traffic in the world busiest air route)
- Relationship between regulator and provider (several working groups to address issues)



REGULATORY FRAMEWORK

- Canadian regulatory framework (Aeronautic Act, CARs)
- SMS was a law in 2005 (Flight Ops and Maintenance) and 2008 (ANS)
- Series of staff instructions related to SMS
- SUR-001 is our main document of reference
- ANS adapted the documents



REGULATORY FRAMEWORK

- Surveillance Procedures
- Enhanced Monitoring Program
- Guidance on the Use of Risk Indicators in the National Aviation Safety Information Management System
- Safety Management Systems—Civil Aviation Non-Compliance Event Review
- Fatigue Risk Management System Assessment Guide
- National Surveillance Planning Standard
- Suspension or Cancellation of Canadian Aviation Documents for Safety Reasons
- Refusal or Revocation of Non-Canadian Aviation Document Ministerial Approvals
- Suspension or Cancellation of Canadian Aviation Documents for Regulatory Purposes (Ref. S. 6.8 of the *Aeronautics Act*)
- Pilot Examiner Monitoring Procedures
- Surveillance Policy

SMS VISITS

- Selection of SMS activities and locations based on risk assessment
- Preparation Reading documents, site manuals, previous reports, questionnaires
- Visit Briefings (in-out), interviews, findings,
- Post visit Discussion on findings, supported or not by regulations, trend analysis
- Issuing finding
- CAP and follow-up
- Compliance and enforcement (documenting is key as evidence)



SMS FRAMEWORK