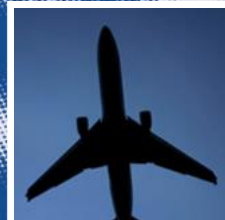


Transport Canada Air Navigation Services Operations (Oversight)

Briefing to CATCA
April 6 – 8, 2016



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Technical Team Leader ATS



CONTENT

- AIM
- MISSION
- ORGANIZATION (NOps & ANS TEAM)
- OUR CUSTOMERS
- CANSCA
- SURVEILLANCE PROGRAM
- CHALLENGES



AIM

- Provide information and increase knowledge on Transport Canada's (TC) Air Navigation Division of which Air Traffic Services Oversight belongs



Our Mission

- Provide regulatory oversight of Canadian Air Navigation Service Providers through Surveillance activities
- Activities include Assessments, Program Validation Inspections, Process Inspections, and enforcement action

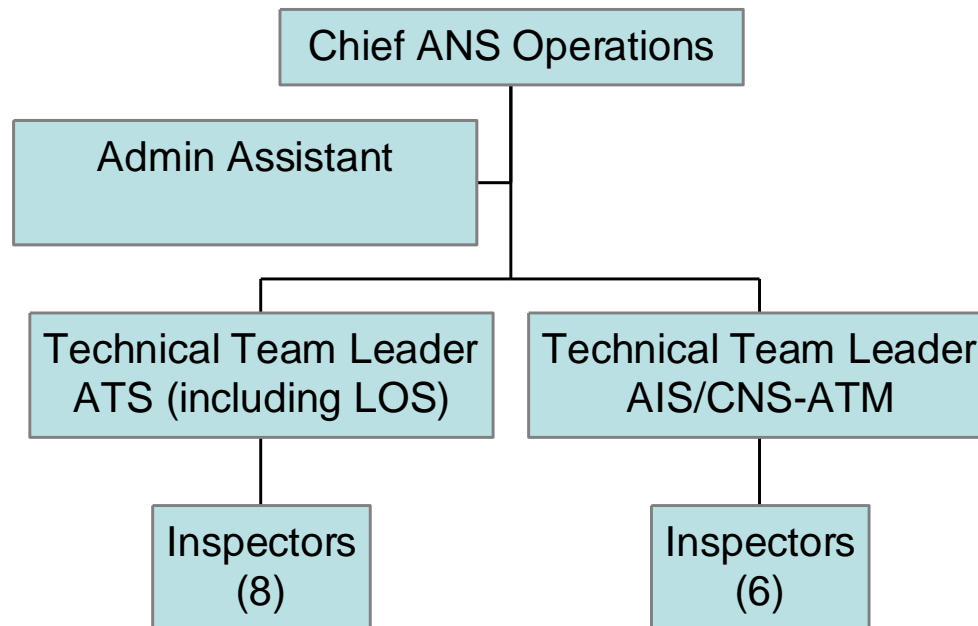


National Operations

- Flight Operations (Air Canada, Westjet, etc.)
- International Operations (ramp checks of foreign carriers)
- Civil Aviation and Contingency Emergency Planning
- Air Navigation Services



ANS Organization



| | |
|--------------|---|
| 1 x AI-NOP 7 | Air Traffic Controller (excluded employee) |
| 6 x AI-NOP 6 | Air Traffic Controller (1 SPVR – all CATCA members) |
| 1 x CAI-04 | AO Pilot |
| 2 x CAI-03 | AO Pilot |
| 3 x TI-06 | Flight Information Services and Aviation Weather |
| 2 x TI-06 | Aeronautical Information Services |
| 2 x EL-08 | CNS-ATM |
| 1 x CR-04 | Site Administration Officer (shared) |



Transport
Canada

Transports
Canada

Canada



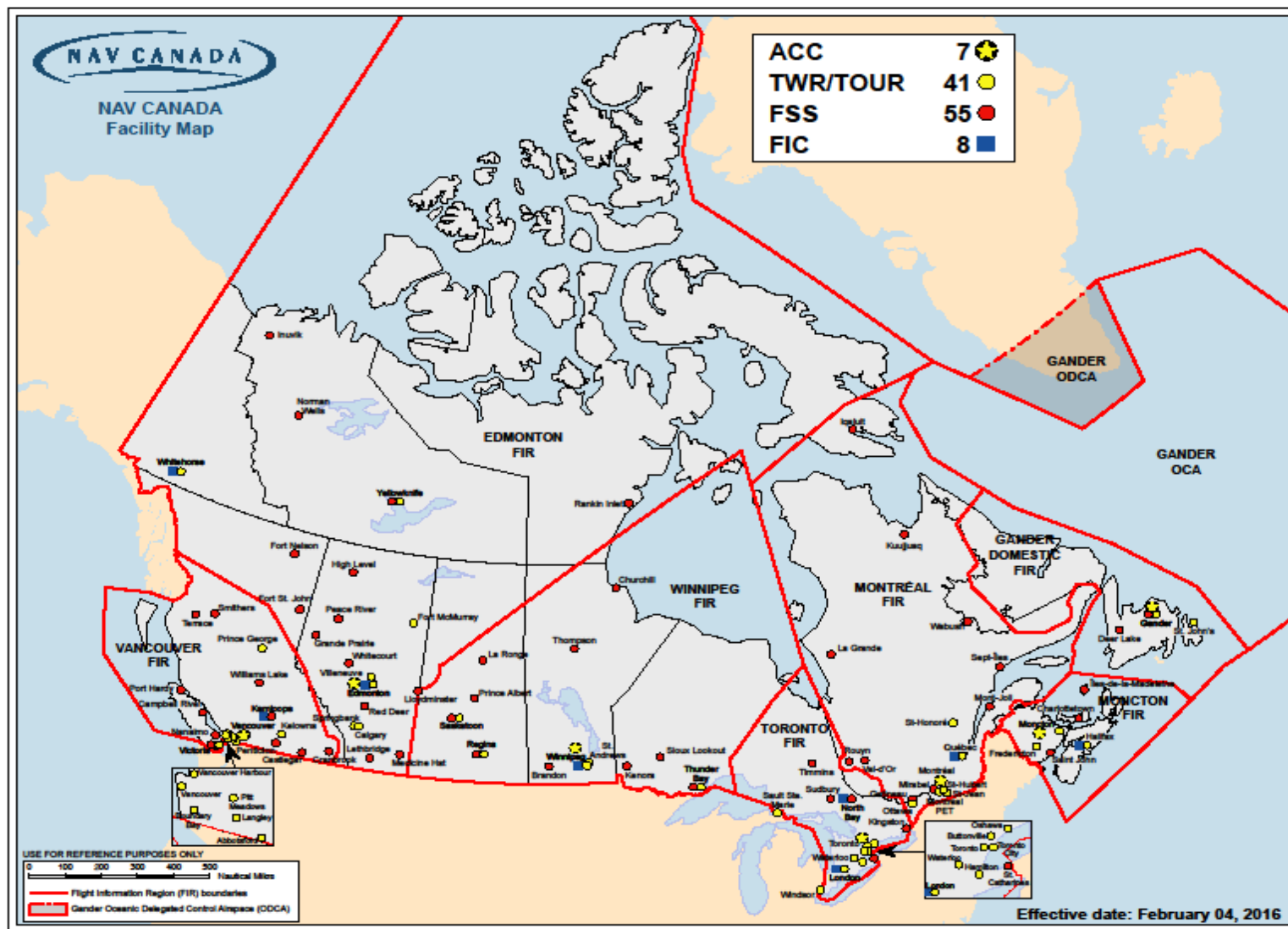
Our Customers

- Holders of Operations Certificates issued by TC
 - NAV CANADA
 - MIDWEST ATC (YPG TWR – Head Office in Kansas City)



NAV CANADA

- National Air Navigation Service Provider (ANSP)
 - Approx 4000 employees
 - 7 Area Control Centres
 - 41 Control Towers
 - 55 Flight Service Stations
 - 8 Flight Information Centers (FIC)
 - 51 Community Airport Radio Stations (CARS)
 - 34 Maintenance Centres





Civil Air Navigation Services Commercialization Act (CANSCA)

- Transfer of the ANS to NAV CANADA from TC took effect November 1, 1996
- Purchased all assets from Government of Canada for \$1.5 billion
- A private non-for-profit-corporation



CANSCA

- Monopoly rights for all ANS
- Right to set fee structure
 - Establishes charging principles:
 - No deficit
 - No surplus (returned to customers)
- Right to plan and manage Canadian Airspace and Airspace delegated to Canada (Transport Canada regulates and classifies airspace)

CANSCA

- May change levels of service (Aeronautical Study)
- Protects services at designated Northern facilities
- Any reductions subject to Aeronautical Study process requiring acceptance by Minister of Transport
- ANS Review conducted by TC (no reduction in Aviation Safety)
- TC can mandate an increase to level of service



Regulatory Framework

- Canadian Aviation Regulations
 - Part I SMS Requirements
 - Part IV Licensing of ATC
 - Part VIII Air Navigation Service



ATC Licensing Medical Categories

- Category I (mainly pilots, however also acceptable for ATC)
- Category II (ATC)



Licensing Validity

- Cat I (1 year under 40, 6 months over 40 for Pilot validation only – if used as ATC as per Cat II)
- Cat II (2 years under 40, 1 year over 40)
- Transition 39 to 40 (depends)

ATS Surveillance Program

- Safety Management System (2012)
- 4 – 5 year cycle between Assessments (PVI)
- Centralised surveillance program (all done from TC H/O)
- Periodic inspections for follow up and for cause (PI)
- Monitoring of operations
 - Daily AOR/CADOR review
- Responses to stakeholder issues including Canadian public
- Unplanned trigger-based PI



AIS Surveillance Program

- Aeronautical information services is a process by which aeronautical information must be managed, changed and introduced in the air navigation system
- AIS by NAV CANADA (Authority in Canada)
- AIS by Third Party Providers (Jeppesen, LIDO or designers such as JetPro and MDA Aviation)



CNS/ATM Surveillance Program

- Oversight of the NAVAID structure
- Oversight of associated ATM equipment and components

Challenges

- NAV CANADA has monopoly as per CANSCA
- LOS versus cost effectiveness (PBN, WTM)
- Surveillance technology and operations (ADS-B, MLAT)
- Oceanic Operations (Space-Based ADS-B, RLatSM)
- ANS Training, recruiting and retention
- Enforcement actions
- State PBN Plan and the future of ANS in Canada

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We Are Proud CATCA Members!



QUESTIONS & DISCUSSION



TO HELP PAY FOR THE AIRPORT IMPROVEMENTS,
THEY'RE SHOWING ADS ON OUR MONITORS.