

# AMEC-TEAC Meeting

## Operational Airworthiness Transport Canada Civil Aviation October 28, 2024

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Operational Airworthiness Division  
Standards Branch, TCCA



Transport  
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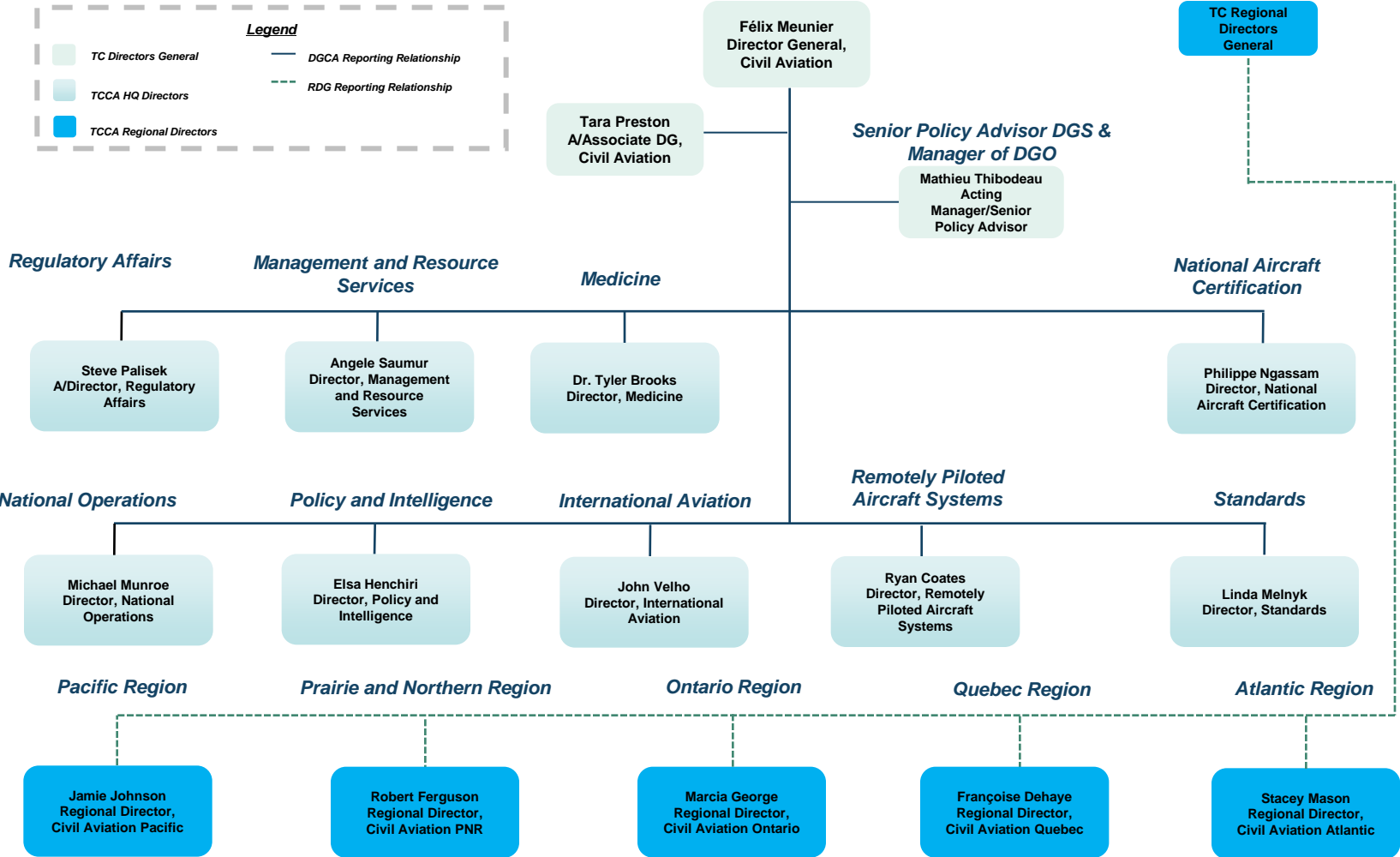
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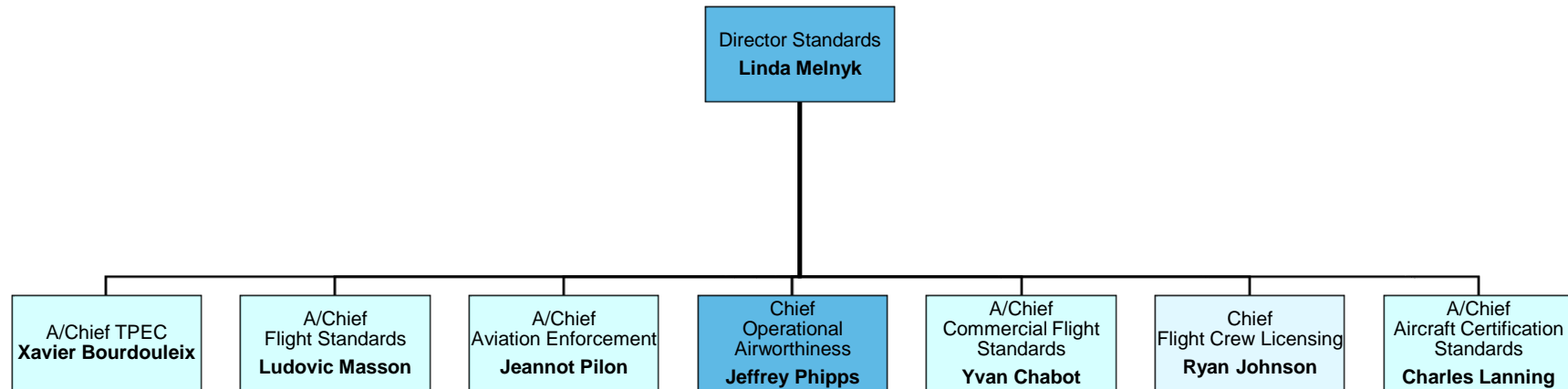
# Overview

- 1. TCCA Organization**
- 2. COVID-19 updates**
- 3. AWM 566 Div I and II work**
- 4. Regulatory Development**
- 5. Guidance Material**
- 6. International Agreements**
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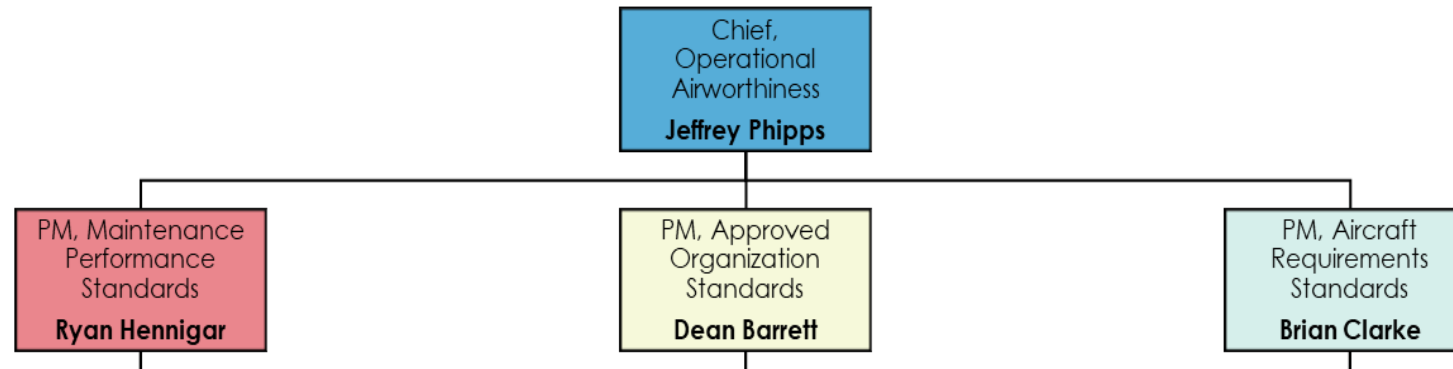
# Transport Canada Civil Aviation (TCCA)



# Standards Branch



# Operational Airworthiness



## Provides functional direction for:

- AME licensing & training
- Approved Training Organizations (ATOs) Basic and type training
- Maintenance and elementary work
- Suspected Unapproved Parts (SUPs)
- ICAs and MRB report policies
- Approved Aircraft maintenance schedules – large aircraft
- *Equipment Installation Standards*

## References:

- CAR 403 Div I & II – AWM 566
- CAR 571 and STD 571
- CAR 521 – ICAs and MRBR
- CAR 605 Div III and associated STDs– Maintenance and Elementary work
- CAR 605.86, STD 625 App D (approved maintenance schedules)
- STD 551 – Equipment installation

## Provides functional direction for:

- Manufacturer of aeronautical products
- Approved Maintenance Organisations (AMO)
- Maintenance control systems for air operators
- Foreign ACA – AC 573-002
- Minimum Equipment List - Maintenance
- Maintenance Reliability Programs
- International Agreements, Maintenance & Manufacturing

## References:

- CAR 561 – Manufacturer
- CAR 573 - AMO
- CAR 604 Div VIII
- CAR 406 (QA, MCM)
- CCAR 706 and STD 726
- AWM 563 - Distributors

## Provides functional direction for:

- Aircraft registration
- Flight authorities: C of A, Special C of A, Flight permits
- Export airworthiness certificates
- Minister's Delegates (MD) Maintenance (M), Production (P) and Recreational Aviation (RA)
- Basic and Advanced Ultra-Light Aeroplanes
- Amateur built aircraft
- Owner maintenance aeroplanes
- Aircraft Maintenance Schedules – small and medium aircraft

## References:

- CAR Part II
- CAR 507 - Flight Authorities
- CAR 509 - EAC
- CAR 549 and AWM 549 –Amateur Built
- CAR 605 Div I, III and IV

# COVID-19 Updates

## Internal Process Bulletins (IPBs):

- 2020-02 Issue 6, **AME Basic Training**, expires on June 30, 2025.
- 2020-06 Issue 7, **AME Type Training**, expires on June 30, 2025.
- 2020-08 Issue 5, **AME Licensing Procedures**, no expiry.

# **AWM 566 Div I and II Work**

## **Draft NPA and ACs on Div II – ATOs:**

- Incorporation of both IPBs 2020-02 and -06, and policies;
- Planned ATO consultation Q1 2025;
- NPA publication following consultation – expected early Q2;

## **Changes to curriculum and skill tasks update:**

- Internal review and analysis to start in Q1 2025;
- Compare to ICAO and other bilateral partners;
- Start with S program and M1 and M2 lists;
- TCCA to follow CARAC process with Focus Groups – include AMEC-TEAC;
- Followed by NPA drafting and coordination and consultation before publication.

# AWM 566 Div I and II Work (cont'd)

## Trial Project:

- Currently reviewing results of the first trial period:
  - Preliminary results: documents difficult to obtain, acceptable theoretical hours low.
- IPB 2023-02 Issue 03 published, extending project 12 months;
- Other ATOs can participate:
  - ATO PM supplement to be approved, update AME website with Trial info.
- Potential goal – ability to evaluate and deliver gap training under ATO certificate in STD 566 Division II.



# AWM 566 Div I and II Work (cont'd)

## Apprenticeship Programs:

- Drafted IPB to support approved basic training programs associated with provincial/territorial apprenticeship programs;
- Expectations: TC requirements met, completed provincial/territorial apprenticeship, graduate certificate can be issued;
- Students who successfully complete, eligible for e.g., 48 months (time spent in basic and apprenticeship hours);
- TCCA will still review and validate experience and skill.

# AWM 566 Div I and II Work (cont'd)

## Dual/combined Approved Programs:

- Change in longstanding policy regarding knowledge credit for both ratings – only be used once for initial issuance, not additional rating;
- Internal review was conducted on policy and AWM 566;
- Policy reversed and applicable webpage notes updated:
  - E.g., for dual/combined M and E program – Knowledge credit is applied to both “M” and “E” ratings, at the time of initial application and additional rating application.

# Regulatory Development

## Undocumented Parts:

- Development of the NPA has been completed; supporting Advisory Circular (AC) has been finalized;
- NPA and AC will be coordinated with our Regulatory Affairs Branch by the end of Q4, 2024 – CARAC consultation by the end of Q1, 2025.

## Evaluation Program:

- CAR 406 and 706 – NPA publication Q1 2025.

## Approved Distributors:

- Repeal AWM 563 and issue AC that will introduce the ASA-100 standard, which will be a similar approach to the FAA (AC 00-56B) and other authorities;
- Expecting NPA consultations to begin Q3 2025.

## STD 625 Appendix C – information note of propeller overhaul:

- Note to be amended – see NPA 2024-009.

# Guidance Material

## Upcoming Advisory Circulars:

- Approved Maintenance Organizations;
- Performance and certification of maintenance in an AMO (ACA-SCA);
- Manufacture of Aeronautical Products;
- Approved Training Organizations, basic and type;
- AME Licensing (initial, additional, renewal, etc.);
- Certificate of Airworthiness;
- Suspected Unapproved Parts, undocumented parts, removal and quarantine of parts;
- Specialized Maintenance.

# Guidance material (cont'd)

## New ACs:

- New issue 06 of AC 571-024: Documentation required for the installation of parts;
- New issue 01 of AC 573-009: Technical Arrangement – Maintenance Between Canada and Brazil;
- New issue 01 of AC 573-010: Maintenance Annex Guidance – Bilateral Aviation Safety Agreement Between Canada and the European Union.

# International Agreements

## TCCA-FAA MIP Revision 2

- Removal of Section B, 4.1 (c) and (d) for FAA-certificated Repair Stations Located Outside the United States:
  - OEM Recommendation and Territorial Limitation, as part of TCCA authorization.
- Revising Section B and Section C to clarify the use of other work instructions that would be acceptable, which also may affect how work is performed;
- Other changes due to regulatory interpretation currently being discussed;
- Minor editorial changes (definitions, spelling, punctuation, etc.);
- MIP, rebuilt parts (stand alone rebuilt parts) are not acceptable for installation on Canadian registered aircraft;
- IPA, rebuilt engines are acceptable for importation into Canada, which likely includes installed rebuilt parts as part of the complete engine assembly (magnetos, throttle bodies, fuel pumps, etc.).

# International Agreements (cont'd)

## TCCA-FAA MIP Revision 2 (cont'd)

- Revision 2 is expected to be signed during the FAA-TCCA bilateral meeting during the MMT Conference, November 2024;
- AC 571-002 also being updated to provide TCCA guidance regarding the implementation of Revision 2.

# International Agreements (cont'd)

## TCCA-EASA

- Revision to the Canada/EU BASA was completed in June 2024:
  - Allows the mutual acceptance of component work.
- Revision 3 of the TCCA/EASA MAG – signed July 2024;
- New applications processed IAW MAG, Revision 3;
- AMOs, performing aircraft maintenance, whose approval expires before year-end, are extended to December 31<sup>st</sup> to have an approved EASA supplement meeting MAG, Rev 3, requirements;
- All other AMOs with an EASA approval, performing aircraft maintenance, have until January 31, 2025, to submit an EASA supplement meeting MAG, Rev 3, requirements.



# International Agreements (cont'd)

## TCCA-EASA

- Revision 3 summary of changes:
  - Mutual acceptance of Component Approved Maintenance Organizations (AMOs);
  - Addition of Safety Management System (SMS) requirements;
  - Component eligibility requirements (reference AC 571-024 – Documentation Required for the Installation of Parts onto Canadian Registered Aircraft)
  - Line station procedures;
  - New initial and amendment approval processes under the responsibilities of the regional Civil Aviation Safety Inspectors;
  - New application forms for TCCA and EASA;
  - New requirements for TCCA and EASA Supplements; and
  - New supplement approval letter templates.

# International Agreements (cont'd)

## TCCA-ANAC TA-M

- New arrangement was signed on February 5, 2024;
- Maintenance organizations performing maintenance on aircraft, engines, and propellers, will be required to comply with the requirements of the new TA-M, which includes supplements and additional approvals;
- Maintenance organizations performing component maintenance are now mutually accepted by TCCA and ANAC, without the need for additional regulatory approvals;
- Updated arrangement also includes changes to authority organizations, regulatory framework (including SMS implementation), and associated procedures and requirements are simplified.

# International Agreements (cont'd)

## TCCA-CAAS (Singapore)

- On-site visit of CAAS completed by TCCA in January 2023;
- On-site visit of TCCA completed by CAAS in March 2023;
- Goal is to update and simplify current agreement, introduce SMS, provide provisions for work performed outside of territorial boundaries, and possibly introduce some level of mutual acceptance of component work;
- Revision of the TA-M has been delayed and we are currently estimating a December 2025 signing.

# Other Information

## AME Licences:

- Total active AME licence holders living in Canada:
  - From last year – 15891.
  - As of October 18, 2024: 16607.

Year	Number of new licences issued
2021	441
2022	499
2023	542
2024*	559

*\*As of 2024-10-18*

# Questions?



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