




# Education Report

Canadian Council for Aviation & Aerospace

## Mandate

Updating the content and the delivery of education and training to be accessible, affordable and more responsive to industry. The update could include creating training areas **within** industry, improving knowledge of the business side of air operations and aerospace manufacturing, improving apprenticeship programs (the absence of a national apprenticeship classification for trades in aviation), and post secondary students' access to the financial support they need.



Focus: Initially MRO and Manufacturing

**Primary Issue: Good basic training from PSI's vs. Industry requirements**

- Update the curricula, or industry specific and industry designed programs. Committee chose the latter.
- Most colleges teach one of four programs, Avionics, Maintenance, Structures, Gas Turbine.
- Much of the workforce comes from other trades, often generic, not specific to our industry.

## Looked at top skills/trades which are hiring challenges today (CCAA LMI Study)

- AME (3 licensed groups)
- Aviation Maintenance Technicians
- Engineering
  - University—
    - aerospace & mechanical
    - industrial and manufacturing
  - College-- Mechanical engineering technicians and technologists
- IT- computer programmers & software engineers & designers
- Machinist (CNC operators)
- CNC Programmer
- Painter
- Welding Technician- need higher skills
- Composites



Selected one for a “pilot program”.

- Welding technicians
- Avoided Transport Canada Licensed Trades
- Existing CCAA Occupational Standard: Aviation Welding Technician
- Existing CCAA Curricula
- Both developed by Industry experts

## Methodology

- SMEs to review and update the existing Occupational Standard
- Analyze a cross section of existing curricula
- Industry to identify gaps between curricula and common ( 80%) industry requirements.
- Develop a custom program to address the “gaps”
- Determine the most efficient and effective way to deliver the program
- Once the “pilot” is complete, roll out for other key occupations.
- Where no Occupational Standard exists, it will need to be developed.

## Another Issue: Funding:

- A lot of SME's struggle with cost of training.
- Not always easy to identify and navigate the various Federal and Provincial Programs.
- There is a need to catalogue these and provide an easily accessible repository.
- Resources for "Guidance"?