Course content:

1. Course objectives:
   - Transfer of knowledge and understanding of current regulations and standards
   - Introduce regulations and standards to come into force soon

2. Canadian Aviation Regulations (CAR) and Standards:
   - Presentation and explanation of relative CAR regulations pertaining to winter maintenance
   - Presentation and explanation pertaining to TP-312 standards and recommended practices (SARPs) relative to winter maintenance

3. Proposed CAR regulations on winter maintenance:
   - Need for new regulations and standards
   - NPA 2001-257 and NPA 2001-258
   - Airport winter maintenance and planning cross reference table (regulations and standards)

4. Winter maintenance planning and procedures:
   - Understanding of terms used in winter maintenance activities and practices
   - Airport winter maintenance plan
   - Winter maintenance priority areas
   - Snow clearing standards for runway pre-threshold areas and runway edge
   - Movement area winter inspections
   - Use of chemicals and sand
   - Runway friction measurement (CRFI) and decelerometers
   - Aircraft movement surface condition reporting procedures (AMSCR)
   - AMSCR for gravel runways
   - Training of personnel
   - Communications procedures
   - NOTAM requirements
Course content:

5. Winter maintenance practices:

- Snow removal
- Snow clearing priorities
- Snow clearing equipment
- Snow clearing techniques
- Ice control
- De-icing/anti icing chemicals and application
- Application of sand

6. Conclusion:

- Trends in winter maintenance regulations, standards and safety oversight

Course Methodology:

- Formal presentation of regulations and standards
- Discussions concerning application and interpretation of regulations and standards
- Participants input on maintenance practices
- Documentation on CD relative to airport winter maintenance given to participants