



**Port Hawkesbury, Nova Scotia
Automatic Weather Observation System (AWOS)
and
Digital Aviation Weather Cameras**

NAV CANADA, the country's provider of civil air navigation services, will be establishing aviation weather observation service (METAR/SPECI) at the Port Hawkesbury airport with the installation of an AWOS. Features of this new generation AWOS include the following:

- Ice-resistant anemometer;
- Advanced laser ceilometer;
- New Voice Generator Sub-System (VGSS) for continuous VHF radio broadcast of AWOS information including up-to-the-minute altimeter and magnetic wind direction and speed (Note: VGSS to be installed at Port Hawkesbury at a later date);
- Reporting of density altitude;
- Thunderstorm reporting;
- Reporting of Runway Visual Range (RVR), where available;
- Reporting of obstructions to vision (haze, mist, fog, freezing fog and blowing snow); and
- Improved capability to report more information in the 'Remarks' portion of the METAR.

In addition, digital aviation weather cameras will be installed at the airport. These new generation weather cameras provide pilots with high resolution images of areas surrounding the airport, updated every ten minutes, which they can compare with reference images taken in clear weather. The reference images include distances and elevations of key landmarks to assist pilots in assessing weather conditions at and in the vicinity of the airport. The images are available on the NAV CANADA Aviation Weather Web Site under "**Wx Cams**".

For more information on the new generation AWOS and weather cameras, see the CFS General Section under FLIGHT PLANNING / WEATHER SERVICES – OBSERVATIONS.

This change will take effect June 3, 2010 at 0901 Coordinated Universal Time (UTC). The appropriate aeronautical publications will be amended.

For further information, please contact:

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