



Case Study:

Ensuring Safety at Australian Airports with full CAR120 compliance

DTN is one of the select organizations certified by the Australian Meteorological Authority under CAR120 for the supply, installation, maintenance and monitoring of AWOS for Aviation Meteorological Reporting

The Australian Meteorological Authority Office and CAR120

The Australian Meteorological Authority Office authorizes non-BoM equipment to provide meteorological information under Civil Aviation Regulations 1988, regulation 120 (CAR120). Any Airport operator in Australia must comply with the strict requirements under CAR120 to provide Automated Aviation Meteorological Reporting Services.

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Lombadina, Coondewanna, Barimunya and Mt Keith are just some of the Australian airports that have partnered with DTN to provide CAR120 certified Automated Aviation Meteorological Reporting Services.

What they were up against.

In Australia, the Meteorological Authority Office represents the Bureau of Meteorology (BoM) as the designated Meteorological Authority.

Two of the key functions of the Meteorological Authority Office are assisting the Director of Meteorology in the regulation of Aviation Meteorological Reporting Services and making assessments for the authorization of non-Bureau equipment to provide meteorological information under Civil Aviation Regulations 1988, regulation 120 (CAR120)

What we did to help.

DTN is one of the few organizations certified by the Australian Meteorological Authority under CAR120 regulation for the supply, installation, maintenance, and monitoring of automatic weather stations (AWOS) for Aviation Meteorological Reporting.

DTN is certified as CAR120 Supplier, CAR120 Installer, CAR120 Maintainer and CAR120 Operator. The Bureau of Meteorology requires certification in all 4 areas to meet the CAR120 criteria. In addition maintenance and monitoring works must be carried out by CAR120-certified staff.

Lombadina (YLBD), Coondewanna (YCWA), Barimunya (YBRY) and Mt Keith (YMNE) are just some of the Australian airports that have partnered with DTN to provide CAR120 certified Automated Aviation Meteorological Reporting Services.

DTN has a long history working in Australia with the Bureau of Meteorology (BoM).

During the last 20 years, DTN has been the preferred supplier of high-end Automatic Weather Stations for the Australian national reference observation network, composed of over 700 AWS sites located across Australian mainland and many of territories islands.

DTN has supplied and implemented the technology behind the AWS, and continues to support the BoM during the progressive upgrade of the network.

What the impact was.

Airports with CAR120 Certified Automated Aviation Meteorological Reporting Services ensure safety and efficiency in their daily operations and are entitled to receive additional aviation services from the Australian Bureau of Meteorology, such as METAR/SPECI and TAF.

The timely delivery of actual and forecasted meteorological conditions in the Airport supports the decision-making process for the pilots in the planning, conduct, and control of the flight.