

Winnipeg Richardson International Airport (CYWG)



WINNIPEG
RICHARDSON
INTERNATIONAL AIRPORT

Winnipeg operates around the clock as a freighter hub, with cargo aprons and service roads that see heavy vehicle traffic at night and through the winter. The Winnipeg program focuses on AVOP pre-certification for airside drivers and cargo operators: route familiarization on the cargo and terminal aprons, aircraft right of way around active stands, and night and winter driving on the airport's own layout.

Airport	CYWG, Winnipeg Richardson International Airport, Manitoba
Digital twin	Airfield, cargo aprons, terminal aprons and service roads
Fleet	Operations and cargo ground vehicles, modeled to the airport fleet
Programs	Driver training, ground handling
Stations	Driving station
Missions	AVOP pre-certification scenarios, day, night and winter

What was modeled

- **Cargo aprons.** Freighter stands, service roads and equipment staging areas.
- **Terminal aprons.** Passenger stands, boarding bridges and apron markings.
- **Night operations.** Lighting, signage and hold points for overnight freighter traffic.
- **Winter conditions.** Snow, reduced visibility and contaminated surfaces on the same routes.
- **Aircraft interaction.** Right of way and conflict recognition around active stands.
- **Assessment.** Scored missions ahead of the practical AVOP examination.

From the YWG digital twin



Terminal gates and boarding bridges.



Cargo apron at night.



Cargo hangars.