

Glossary

Terms used throughout the AVOPSIM documentation.

Term	Meaning
AVOP	Airside Vehicle Operator Permit. The permit an airport issues to people who drive airside. AVOPSIM's core program prepares trainees for the AVOP practical exam.
AVOPSIM	Airside Vehicle Operators Simulator. The training platform described in this knowledge base.
ARFF	Aircraft Rescue and Firefighting.
Digital twin	The 1:1 reproduction of an airport's airfield, buildings, signage, markings and lighting, loaded into the simulation engine as scenery.
Examiner Console	The web application instructors use to launch missions, monitor several stations at once and assess competency.
GSE	Ground Support Equipment: belt loaders, pushback tractors, tugs and carts, fuel and catering trucks.
Hold point	A marked position where a vehicle must stop and obtain clearance before proceeding, typically before a runway or taxiway.
Hotspot	A location on the airfield with a history or risk of collisions or runway incursions, where extra attention is required.
Mission	A scored training scenario: a route or task on the digital twin with traffic, weather, time of day and pass/fail constraints.
Mission Editor	The tool instructors use to author new missions on the airport map without programming.
Mission module	The AVOPSIM software layer that contains missions, the Mission Editor and the Examiner Console.
MSFS 2024	Microsoft Flight Simulator 2024, the simulation engine AVOPSIM runs on. Licensed separately.
Runway incursion	Any unauthorized presence of a vehicle, person or aircraft on a runway. Flagged and scored in AVOPSIM missions.
Station	A training position running AVOPSIM: a desk station, a driving station or a full vehicle cabin.
Tier 1 / 2 / 3	Desk station, driving station and full vehicle cabin respectively.
Type I / Type IV fluid	Deicing fluid (Type I) and anti-icing fluid (Type IV), applied in sequence in the deicing program.