

# Total Airspace and Airport Modeler (TAAM®)

A fast-time gate-to-gate simulation tool that allows you to conduct unlimited what-if analysis of future airspace and airport operations.

TAAM presents realistic 4D (3D plus time) models of airspace and airports to facilitate decision support, planning and analysis. TAAM simulations are processed in fast-time enabling you to quickly obtain results and evaluate a wider range of scenarios.

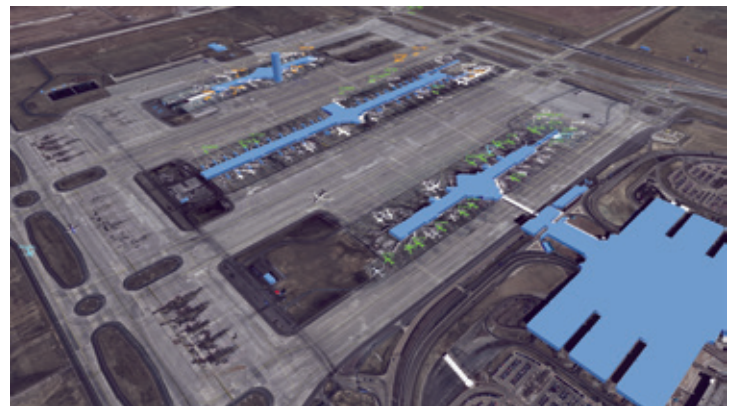
## TAAM offers a full suite of capabilities.

- ✔ Unmatched fast-time and accurate simulation capabilities.
- ✔ Configurable to any airport or airspace.
- ✔ Unlimited 'what-if' scenario capabilities.
- ✔ 4D full airspace flight profile calculations and detailed ground and airside model.
- ✔ Flexible rule base to accommodate different modeling requirements.
- ✔ Randomization of model parameters for increased realism.
- ✔ Electronic data input for rapid simulation model set-up.
- ✔ Realistic 3D multicolor models of airspace and airports to assist analysis and presentations.
- ✔ Direct output to spreadsheet and database tools for detailed analysis.
- ✔ Built-in access to the worldwide Jeppesen navigational database for rapid model development.
- ✔ Data import from multiple sources, including ARINC, AIXM, DTED, DXF, CSV, GRIB and more.
- ✔ In-application help function assists with creating intuitive rules.
- ✔ API for interaction with outside applications.

## How TAAM can help CAAs and ANSPs.

- ✔ Analyze the impact of global air traffic growth.
- ✔ Increase traffic flow and airspace utilization while maintaining safety.
- ✔ Analyze capacity for national route systems with current and future traffic levels.
- ✔ Redesign, resectorization and reclassification of airspace.
- ✔ Measure benefits of reduced vertical separation minima.

- ✔ Evaluate the implications of introducing new enroute and terminal procedures.
- ✔ Assess the impact of changes in controller workload due to traffic growth, new airspace designs and procedures.
- ✔ Assess oceanic separation procedures.
- ✔ Improve cooperation between civil and military air services.
- ✔ Manage the impact of adverse weather conditions.
- ✔ Study new CNS/ATM technologies.



## How TAAM can help airports.

- ✔ Reduce congestion and delays while maintaining safety.
- ✔ Capitalize on more efficient use of existing airport infrastructure and resources.
- ✔ Increased capacity means greater revenues from landing fees.
- ✔ Plan for the introduction of new aircraft.
- ✔ Evaluate financial implications of future infrastructure investments including new terminals, additional gates, taxiways or runways.
- ✔ Improve irregular operations.
- ✔ Cost-effectively plan noise abatement, de-icing and other operations.

# Total Airspace and Airport Modeler (TAAM®)

- ✔ Measure the impact of disruptions, such as proposed runway construction, on your schedule and operations.
- ✔ Assess the effect of changes in sequencing strategies and separation standards.
- ✔ Plan for extended disruptions, such as runway closures or construction projects.
- ✔ Better understand downstream impacts of delays at hubs and outstations.
- ✔ Optimize schedule design from early stages to ongoing adjustments.
- ✔ Manage the introduction of regional jets and other fleet mix changes.
- ✔ Evaluate past performance and train operations staff to handle disruptions more efficiently.
- ✔ Analyze the initiatives of the national or local air navigation service providers and determine potential impacts on your operation.
- ✔ Propose initiatives to air navigation service providers to reduce delays and increase efficiency.

## How TAAM can help airlines.

- ✔ Cost-effectively plan operations, fleet changes, aircraft substitutions, de-icing and other procedures.
- ✔ Enhance competitiveness and profitability through reduced fuel use, shorter delays and efficient block times.

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Learn more about what we offer.

For more information, visit [jeppesen.com/taam](https://jeppesen.com/taam). Contact us at +1.303.328.6578 or [sales.gma@jeppesen.com](mailto:sales.gma@jeppesen.com)