



**Transforming Air Traffic Control
Through Evidence-Based Learning**

BEST Insights, Better Training

BEST Insights is Micro Nav's award-winning Analytics platform designed for Air Traffic Control (ATC) training

By capturing and analysing comprehensive data from BEST simulator sessions, BEST Insights transforms how the next generation Of Air Traffic Controllers are trained.

Transforming ATC Training Through: Intelligent Performance Analysis

BEST Insights unlocks the valuable training data from our BEST Simulation systems, converting it into clear training insights that show performance across all aspects of ATC training:

- Instant analysis of complex training scenarios with objective performance metrics
- Automatic tracking of aircraft separation and approach spacing
- Real-time tracking of RT Frequency usage and controller communications

Simple comparison of student performance across different training sessions

Detailed event tracking with precise timestamps and aircraft tagging

Enhanced Learning Experience

Transforming ATC Training Through:

Our learning tools elevate the training experience for instructors and students, creating an engaging and effective learning environment:

- Rich, interactive session replays that bring training scenarios to life
- Immersive 4D playback that enhances understanding of complex situations
- Evidence-based feedback that connects actions to outcomes
- Flexible access to training materials across any device
- Personalised learning pathways based on student progress

Streamlined Training Operations

BEST Insights converts the traditional Brief, Monitor, Debrief process into a digital format, helping training organisations work more efficiently and focus on what matters most - developing exceptional controllers:

- Intuitive digital workflows that replace paper-based processes
- Standard assessment forms that meet UK-CAA and EASA requirements
- Automated data capture that reduces administrative burden
- Centralised progress monitoring that enables data-driven decisions
- Integrated reporting tools that provide complete training oversight

BEST Insights In Action

Performance Analysis

Compare student performance across multiple training sessions with clear visual overlays that reveal progress patterns.

Instructors can identify specific areas for improvement, providing feedback backed by empirical examples.

Students gain a clear view of their learning journey, helping them understand their progress through measurable improvements.

Operational Integration

Import real air traffic data to create new simulator training exercises, directly connecting training exercises and real operations.

This capability allows for training scenarios based on current operational challenges, ensuring training remains relevant and practical.

By analysing operational patterns, training can focus on the exact competencies relevant to controllers today.

Quality Assurance

Monitor and maintain training standards across your organisation through comprehensive performance tracking.

Generate clear evidence of regulatory compliance while identifying opportunities for programme enhancement.

This approach aids training centres in demonstrating effectiveness to authorities while improving training methods.

Training Resource Optimisation

Organisations can refine programmes for maximum effectiveness through detailed analysis of student performance across different training approaches.

BEST Insights' flexible web-based design enables blended learning, allowing students to review sessions and continue their development independently.

This comprehensive approach helps reduce training time, optimise simulator usage, and protects training organisation investment by demonstrating measurable returns.



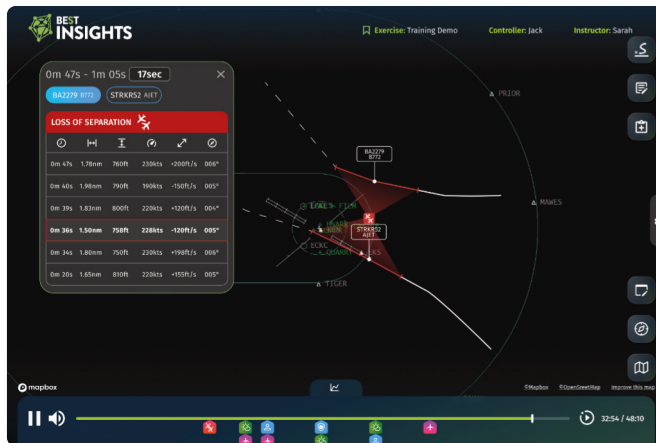
"BEST Insights has proven to be an invaluable asset for our Air Traffic Controller (ATCO) training program, particularly in our work with ATCO apprentices. We've been able to provide effective training that seamlessly translates into live operation."

Birmingham Airport

Key Training Metrics

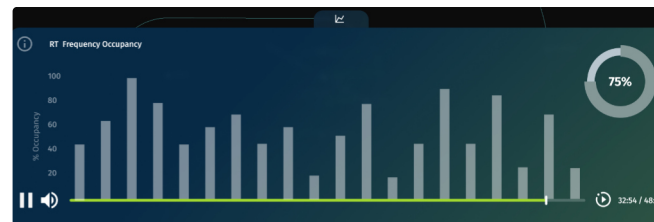
Track and analyse critical performance indicators through BEST Insights' measurement tools. Each metric provides clear, visual data to support objective assessments of controller performance.

Loss of Separation



Monitor separation standards with precision through customisable measurement criteria. Set specific parameters for different airspace types and training scenarios, including altitude ranges and horizontal separation requirements. The system automatically highlights occurrences and provides detailed analysis through an intuitive interface.

RT Frequency Occupancy



Evaluate radio communication efficiency with detailed usage analysis presented in easy-to-understand visual formats. View frequency occupancy in two-minute increments alongside total usage statistics, helping instructors assess communication patterns and workload management.

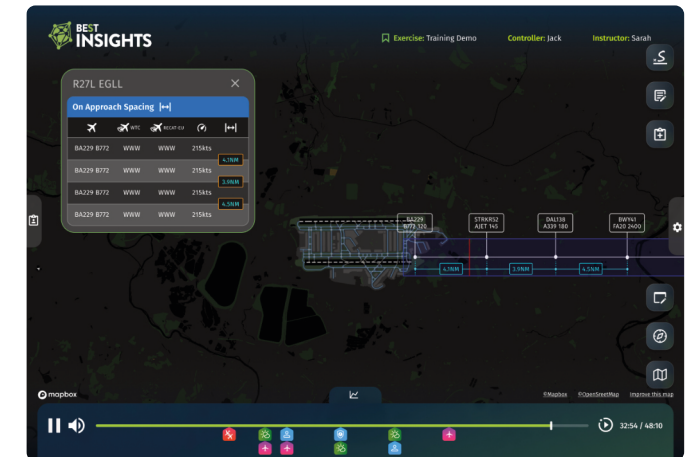
RT Frequency Occupancy - Track Changes

RT Frequency Occupancy		Track Changes						
Aircraft ↑	Frequency	Frequency	Frequency	GND - 050	Level 050-100	100-150	Pilot Instructed ↑	Total
BA229 B772	3	3	3	3	3	2	2	19
BA229 B772	3	3	3	3	3	2	2	19
BA229 B772	3	3	3	3	3	2	2	19
BA229 B772	3	3	3	3	3	2	2	19
BA229 B772	3	3	3	3	3	2	2	19

Analyse controller communication patterns across different frequencies and flight levels. Track the number of changes per aircraft

throughout the session with customisable sensitivity settings to match training requirements. This detailed view helps assess student efficiency in managing multiple frequencies.

On Approach Spacing



Measure aircraft separation on approach in 2D or 3D views, accounting for wake turbulence categories and RECAT specifications. Monitor spacing at instructor-defined metering fixes to evaluate sequencing performance. Ideal for training scenarios focused on arrival management and runway optimisation.

Advanced Features & Functionality

BEST Insights offers a comprehensive suite of tools beyond its core metrics. From user management and display customisation to data handling capabilities, every feature is designed to enhance the training experience.

Here, focus is given to the key features and functionality for training environments.

Secure Data Management

Role-based access ensures training data is protected whilst enabling appropriate sharing across your organisation.

BEST Insights functions seamlessly online and offline, with automatic syncing when connectivity resumes.

Import and combine operational datasets with simulator data to create rich training scenarios and performance comparisons.

A Customisable Training Environment

Adapt the training interface to match your specific requirements.

Create custom airspace displays, configure layers, and adjust metric sensitivity to match local training standards.

This flexibility ensures training scenarios accurately reflect your operational environment.

Enhanced Exercise Creation

Transform real operational data into valuable training exercises.

Filter aircraft tracks, customise training scenarios, and create targeted learning experiences based on actual traffic patterns.

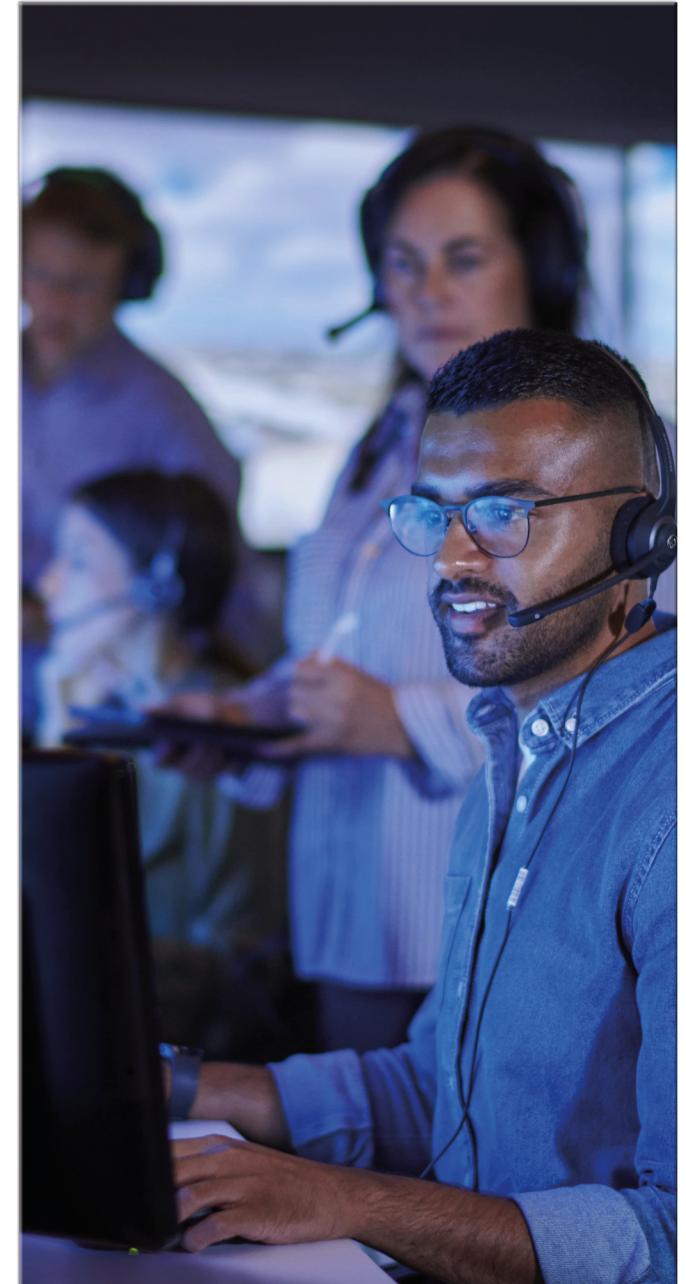
This capability helps bridge the gap between simulation and live operations, preparing students for real-world challenges.

Intelligent Playback Controls

Review training sessions with precision using our comprehensive playback tools.

Track full aircraft routes, analyse specific events, and highlight key learning moments.

These features support detailed debriefing sessions and enable students to understand complex situations through clear visual presentation.



Key Interface: Instructor Feedback Form

BEST Insights' digital feedback form transforms instructors' assessment and documentation of training sessions. Built to match familiar assessment workflows, this intuitive interface enables precise, real-time feedback during simulator exercises while creating a permanent digital record of student progress.

Assessment Tools

Streamline your evaluation process with standardised scoring tools and customisable assessment criteria.

- Score objectives in real-time during exercises
- Use UK-CAA and EASA standard templates
- Configure forms to match specific training requirements

Documentation Features

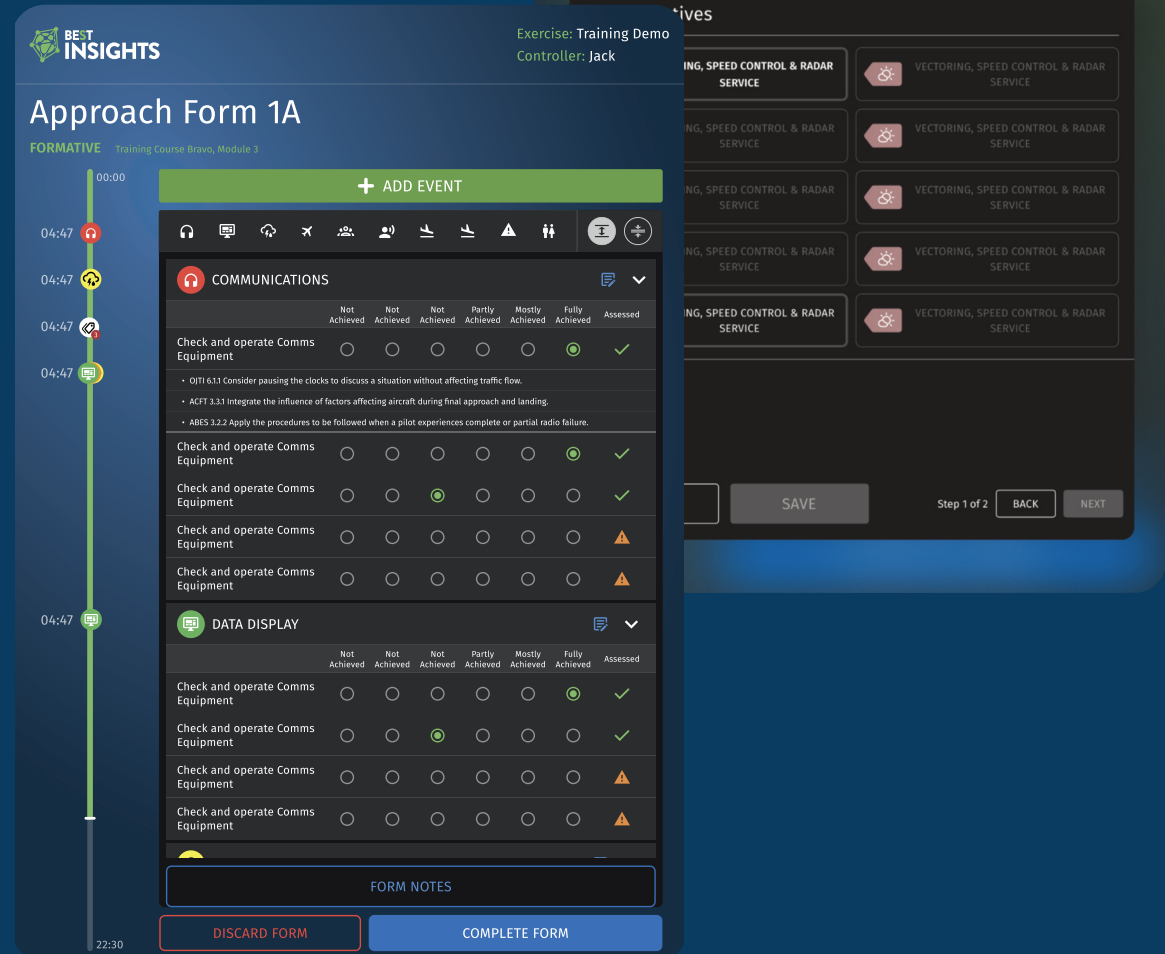
Create detailed training records with our comprehensive note-taking and event-tracking system.

- Add contextual notes to specific training objectives
- Track key learning events on an interactive timeline
- Tag events with relevant aircraft and objectives

Real-time Capabilities

Monitor and document student performance as it happens, enabling immediate feedback.

- Mark significant events during live exercises
- Adjust scoring and notes during debriefing
- Link feedback directly to specific moments in training



The interface displays a timeline of events on the left, with a vertical axis showing time from 00:00 to 22:30. The main form is titled 'Approach Form 1A' and is part of a 'FORMATIVE' assessment for 'Training Course Bravo, Module 3'. It includes a 'New Event' window at the top right, which allows for adding events with suggested aircraft (RVR16PK B738) and on-ground status (ON LOCAL FREQUENCY, ARRIVALS, DEPARTURES, ON GROUND).

The main form is divided into two sections: 'COMMUNICATIONS' and 'DATA DISPLAY'. Each section contains a table of objectives with columns for 'Not Achieved', 'Partly Achieved', 'Mostly Achieved', 'Fully Achieved', and 'Assessed'. The 'COMMUNICATIONS' section includes objectives such as 'Check and operate Comms Equipment' and 'Check and operate Comms Equipment' (repeated). The 'DATA DISPLAY' section includes objectives such as 'Check and operate Comms Equipment' (repeated).

At the bottom of the form, there is a 'FORM NOTES' section and two buttons: 'DISCARD FORM' and 'COMPLETE FORM'.

Key Interface: Debrief View

BEST Insights enhances the training debrief with powerful visualisation and analysis tools. Instructors and students can review every aspect of a training session through synchronised playback of events, communications, and aircraft movements. This evidence-based approach enhances understanding and improves learning outcomes through clear, objective feedback.

Immersive Review Tools

Review training sessions in unprecedented detail with comprehensive playback capabilities that bring every moment into focus.

- 4D Session Replay with integrated audio and visual elements
- 2D/3D airspace visualisation with flexible viewing options
- Interactive timeline for precise event navigation

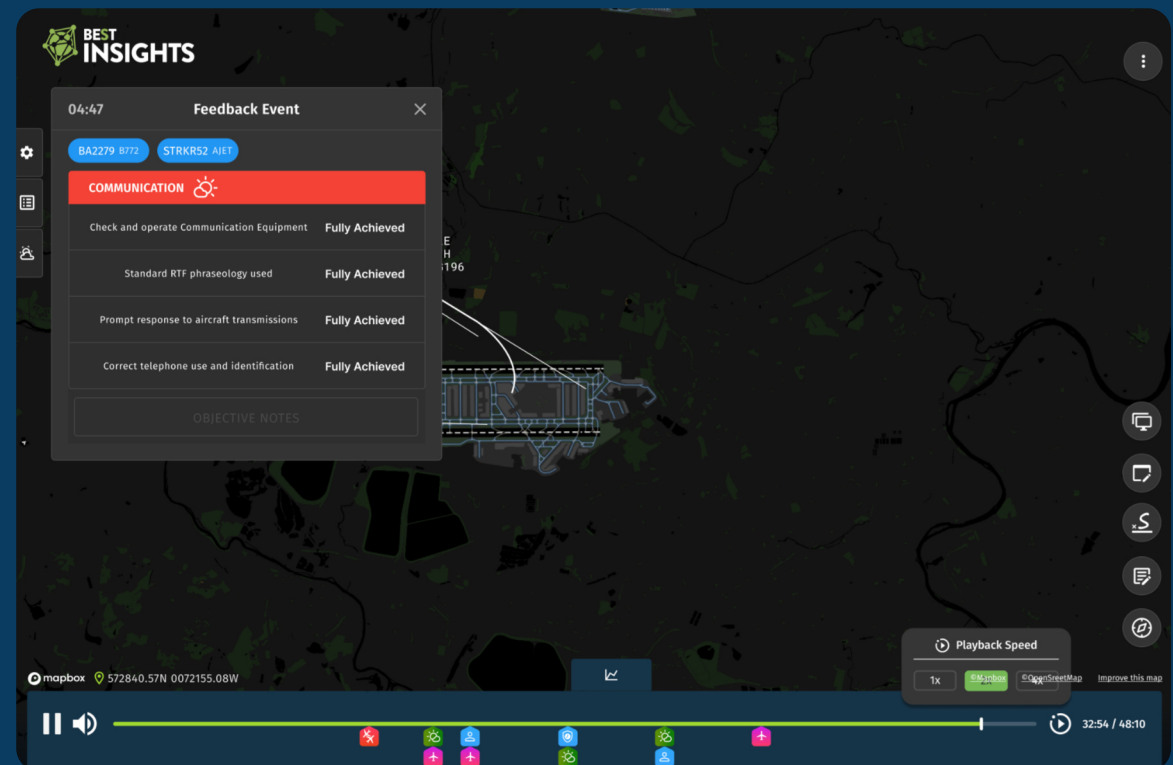
Interactive Analysis

Transform training data into actionable insights with advanced analysis tools designed for both instructors and students.

- Real-time session annotation for immediate feedback
- Multiple viewing angles for complex situation analysis
- Customisable measurement tools for objective assessment

“We see BEST Insights as a powerful tool to navigate and streamline future transitions in Air Traffic Control training.”

Birmingham Airport





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