ORACLE

3 Imperatives for Building America's New Air Traffic Control System

A modernized air traffic control system is fundamental as America looks to reinvest in the National Airspace System. Oracle can accelerate success in this venture by providing scalable infrastructure, robust security architecture, advanced analytics, and AI.

Upgrade National Airspace System

Provide a secure, resilient foundation

The National Airspace System is a complex, mission-critical network—both domestic and oceanic. Spanning controlled and uncontrolled airspace, it requires a secure, reliable, and scalable technology foundation.

Ensure new system is efficient and safe

The new air traffic control system must address key safety needs and improve the overall national airspace network. By modernizing its technology and procedures, the FAA plans to reduce flight delays, bolster passenger and crew safety, and boost operational efficiency.

Attract and retain skilled FAA workforce

To combat chronic understaffing, the new air traffic control system must modernize its technology and accelerate onboarding. The aim is to reduce controller workloads, improve training efficiency, attract new recruits, and retain experienced personnel.

Enhanced safety and efficiency

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Oracle Cloud Infrastructure's distributed cloud offers government-specific cloud regions that meet the highest security standards at all classification levels, helping ensure that the nation's air traffic control system can remain secure and operational.

Advanced analytics and AI

Oracle's advanced analytics and AI can help predict traffic flows, optimize routing, and anticipate congestion or potential safety issues. Machine learning algorithms help manage airspace resource allocation via maintenance predictions and real-time anomaly detection.

Modern workforce management solutions

Oracle can help the FAA modernize its HR processes by delivering scalable training, optimizing workforce allocations, and providing secure, data-driven insights for proactive management—all while enabling compliance with government standards.

CRITICAL INSIGHTS

Oracle can help the FAA rebuild the National Airspace System by providing cloud technologies at all classifications for a secure, stable air traffic control system.

Cloud technologies to enhance the National Airspace System

Meet every mission with cost-effective FedRAMP-compliant cloud infrastructure and a comprehensive suite of integrated SaaS applications designed for federal civilian and defense agencies.

[Learn more]