

FOR IMMEDIATE RELEASE

AlarisPro and TruWeather Solutions Announce MissionCast: A New Standard for Weather-Informed UAS Operational Decision Making

Baltimore, MD and Reston, VA - January 7, 2026 - AlarisPro, the industry leader in UAS fleet management, maintenance, and reliability intelligence, and TruWeather Solutions, the recognized authority in advanced micro-weather analytics for unmanned aviation, today announced the release of MissionCast. This integrated capability delivers real-time, aviation-grade weather insights directly into the AlarisPro platform, enabling operators and manufacturers to plan and execute missions with greater precision, safety, and confidence.

As UAS operations scale toward BVLOS and more advanced mission profiles, weather continues to be one of the most significant contributors to operational risk. MissionCast closes that gap by combining TruWeather's highly localized, low-altitude weather intelligence with AlarisPro's comprehensive operational data environment, which includes maintenance history, digital-twin insights, and fleet-wide reliability metrics.

"MissionCast represents a major advancement for the industry," said Anthony Pucciarella, CEO and Founder of AlarisPro. "Accurate, low-altitude weather data is no longer an optional enhancement, it is a requirement for safe, compliant, and economically viable UAS operations. By integrating TruWeather's best-in-class micro-weather intelligence directly into AlarisPro, we give operators a unified operational picture that strengthens both pre-flight planning and in-flight decision-making."

MissionCast delivers a consolidated operational view, providing:

- Real-time, hyperlocal weather intelligence tailored for low-altitude operations
- Integrated risk insights that factor weather into safety scoring, FRAT workflows, and mission readiness checks
- Enhanced BVLOS and Part 108 preparedness by ensuring operators account for environmental risk vectors during planning and execution
- A single operational interface where fleet maintenance, configuration management, digital twins, and weather intelligence work in harmony to support safer outcomes

TruWeather Solutions CEO Don Berchoff emphasized the significance of operationalizing weather intelligence at scale. "UAS operators need accurate, trustworthy, and mission-

specific weather insights, not generalized data that leaves uncertainty in decision making between airports. MissionCast gives operators the precision they need to reduce cancellations, improve predictability, and operate with higher assurance. This collaboration brings us one step closer to a safer, more efficient national low-altitude airspace.”

MissionCast is designed to support regulatory alignment efforts for BVLOS, Part 108, and emerging IASMS frameworks by embedding weather intelligence into the same operational processes used for maintenance documentation, digital-twin health monitoring, and airworthiness tracking. This unified approach ensures operators can demonstrate due diligence, continuous risk assessment, and robust safety case management – all key components of future certification pathways.

“Together, TruWeather and AlarisPro are giving the industry what it has needed for years: high-resolution weather data delivered at the exact point of operational decision,” said Pucciarella. “MissionCast helps remove uncertainty, reduce mission aborts, and directly contributes to more reliable and compliant operations.”

MissionCast is available now within the AlarisPro platform for both operators and manufacturers looking to bring aviation-grade weather intelligence into their mission planning, safety, and compliance workflows.

About AlarisPro

AlarisPro offers the most advanced UAS operations and fleet management platform on the market, equipping operators, manufacturers, and maintenance professionals worldwide with critical safety and reliability data needed to reduce risk, ensure compliance, and optimize unmanned systems and subsystems. Designed by military aviators and civilian UAS experts, AlarisPro brings a systems-of-systems approach to analyzing UAS reliability. The platform uniquely manages the industry’s only centralized repository of UAS component reliability data, empowering users to make data-driven decisions, maximize operational efficiency, and safely expand mission capabilities across the unmanned aviation ecosystem. Learn more at www.alarispro.com.

About TruWeather Solutions

TruWeather Solutions is a leader in micro-weather analytics for uncrewed aviation, providing precise, real-time environmental intelligence that improves safety, predictability, and operational efficiency. With a mission to remove weather uncertainty from advanced air mobility, TruWeather delivers high-resolution insights essential for safe BVLOS operations and low-altitude mission planning.



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