

Matthew Strahan

Matt Strahan is the International Operations Chief for NOAA's Aviation Weather Center (AWC). He manages daily operations and research to operations projects for a Meteorological Watch Office that issues aviation warnings and forecasts for half the north Pacific, half the north Atlantic, Gulf of Mexico and Caribbean. He also manages daily operations and research to operations projects for the Washington World Area Forecast Center (WAFC), which issues global aviation forecasts suitable for flight planning.

He facilitated the transition of research into operations of global modeling of turbulence, icing and thunderstorm guidance products. This involved coordination of funding and research activities being conducted by NOAA's National Center for Environmental Prediction, the National Center for Atmospheric Research, the Federal Aviation Administration and the UK Meteorological Office. The results have been gridded forecasts for aviation hazards that consist of inputs from the United States and the United Kingdom. Improvements of these forecasts are underway to include probabilities of exceeding select severity thresholds.

Matt manages the World Area Forecast Centers Internet File Service (WIFS), a web-based service that disseminates global aviation weather information. This service is undergoing modernization to include tools to handle big data generated by the improvements to the models.

He also manages NOAA's AWC ISO:9001 certified Quality Management System (QMS), ensuring that NOAA complies with WMO, ICAO and FAA QMS requirements.

Since 2014, Matt is the adviser to four International Civil Aviation Organization Working Groups – Meteorological Operations Group, Meteorological Requirements Integration, Meteorological Information and Service Development and Meteorological Information Exchange. The most notable current project is the development of Regional Hazardous Weather Advisory Centers, which will improve aviation weather warnings.

Matt is the Co-Chair of the WMO CaEM Expert Team for Aviation Science and Climate since 2017. In this role, he helped organize the first-ever Aeronautical Meteorological Science Conference in Toulouse, France.