



VICKIE R NORTON
PROJECT ENGINEER/AIRLINE TRANSPORT PILOT
AVIATION GROUP

BS, Mechanical Engineering, 1988

Vickie Norton joined MEA Forensic Engineers & Scientists in January 2009. She conducts technical investigations of aircraft accidents and incidents including reconstructions, system and powerplant malfunctions, failure analysis, operational, maintenance, regulatory and human factors analysis.

Ms. Norton has over 20 years of multi-disciplined aviation experience ranging from engineering design and airframe certification to Captain with a major US airline, holding type ratings on the 737, 757, 767 and A-320 aircraft. She has held the prestigious FAA Designated Engineering Representative Certification as well as Certified Flight Instructor/Ground Instructor licenses and currently holds her Private Rotorcraft-Helicopter license.

Areas of Specialization

- Aircraft Systems/Failure Analysis
- Certification/Maintenance Compliance Analysis
- FAA Operating Rules/Airworthiness Standards
- Pilot Training/Evaluation/Human Factors
- Aircraft Loss of Control/Emergency Landings
- Engine Failures/Fires/Shutdowns
- Adverse Weather/High Altitude Meteorology
- Air Traffic Control Procedures/Airspace Requirements

Professional Affiliations

MEA staff are members of various professional organizations. A current listing can be found on our website www.meaforensic.com.

Major Projects

- Commercial aircraft landing gear vibration induced by brake and antiskid systems
- Re-established commercial aviation industry steel brake wear limits to reflect performance and rejected takeoff (RTO) capability in field-worn condition
- Commercial aircraft landing gear-mounted spray deflectors to prevent foreign object debris (FOD) of aft-mounted engines.
- Development integration and FAR Part 25 certification of commercial aircraft initial carbon brake with antiskid and autobrake systems

Research

- Runway takeoff/landing performance
- Counterfeit replacement aircraft components
- Runway incursions
- Pilot expectation bias/Cockpit resource management (CRM)
- Fuel starvation/contamination
- Controlled flight into terrain (CFIT)
- Fixed-wing/rotorcraft flight below minimum recommended altitudes

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