



CHRISTOPHER J. BONANTI, M.Eng., MBA
DIRECTOR REGULATORY & COMPLIANCE - TRANSPORTATION & SAFETY
SENIOR MANAGING CONSULTANT

cjbonanti@engsys.com

Mr. Christopher J. Bonanti is a Director of Regulatory and Compliance for Transportation and Safety and a Senior Managing Consultant for Engineering Systems Inc. (ESi). His primary expertise involves more than 20 years of experience leading and managing regulatory, legislative and infrastructure projects for all modes of transportation, including rail, motor vehicle and aviation.

Prior to joining ESi, he was a former member of the U.S. Senior Executive Service, as the Associate Administrator for Rulemaking at the National Highway Traffic Safety Administration (NHTSA). He was the senior executive responsible for developing, writing and implementing rules, regulations, and standards for all ground transportation vehicles sold within the U.S., including the auto, trucking, motor coach, and motorcycle industries. These regulations included all Federal Motor Vehicle Safety Standards (FMVSS), and the Corporate Average Fuel Efficiency (CAFE) standard regulations for automobiles and light trucks, as well as, fuel efficiency standards for medium and heavy-duty trucks. He also served as Head of the U.S. Delegation to United Nations World Forum for the Harmonization of Vehicle Regulations.

Preceding his position at the NHTSA, Mr. Bonanti served as the Director for the Office of Hazardous Materials at the Federal Aviation Administration (FAA) and was responsible for developing and implementing regulations for the aviation industry. His oversight included all Part 121 and 135 air carriers that transported hazardous materials as well as Part 145 repair stations. In addition, he served as the agency's liaison to the United Nations forum for the transport of dangerous goods. He also served as the FAA's representative to the Dangerous Goods Working Group within the International Civil Aviation Organization (ICAO).

As a staff member of both the U.S. Senate and House of Representatives, he developed legislative policies that directly impacted the aviation, railroad, automotive, trucking, pipeline and hazardous materials industries. During his tenure as a Senate Staffer, he authored the U.S. Department of Transportation's Hazardous Materials reauthorization bill. In 2007, Secretary of Transportation Mary Peters appointed Mr. Bonanti as the Deputy Executive Director of the National Surface Transportation Policy and Revenue Commission where he oversaw the development of the Commission's passenger and freight rail analyses, as well as, policy implications to the Highway Trust Fund.

April 2018



Mr. Bonanti also served as the Special Assistant to the Administrator of the Federal Railroad Administration (FRA). In this role, he used his knowledge to serve as the senior liaison for the Administrator to the Offices of Railroad Safety and Railroad Development. Prior to becoming the Administrator's Special Assistant, he served as Environmental Program Manager in the Office of Railroad Development implementing the National Environmental Policy Act (NEPA) for passenger and freight related infrastructure projects.

He also served as investigator-in-charge (IIC) at the National Transportation Safety Board (NTSB) and as a Hazardous Materials Group Chairperson for major accidents involving hazardous materials in the aviation, railroad, highway, marine, and pipeline industries. As an Aviation Ordnance Specialist in the U.S. Marine Corps, he was responsible for building up, arming, and de-arming conventional ordnance and special weapons.

Areas of Specialization

Active and Passive Safety
Motor Vehicle Safety Regulations
Aviation Safety Regulations
Building Alliances/Partnerships
Chemical Risk Assessment
Environmental Regulations & Strategy
Federal Regulations & Strategy
Fire, Explosion & Ordnance
Government Relations
Hazardous Materials/Waste Regulations
Occupational Safety & Health Regulations
Railroad Safety Regulations
Regulatory Compliance & Strategy
Regulatory Risk Analysis Assessment
Rulemaking Process
System Safety & Engineering
Transportation Accident Investigation
Transportation Policy

Education

MBA, Kellogg School of Management - Northwestern University (2017)
M. Eng., Environmental Pollution Control, Pennsylvania State University (1995)
B.S., Environmental Science, Rutgers University (1993)

Professional Affiliations

Society of Automotive Engineers (SAE)

Vice Chair of Washington, DC Chapter

Member

Operation Life Saver (OLI)

Certified volunteer that provides safety presentations.

Additional Training & Continuing Education

Human Factors in Traffic Crash Reconstruction, Institute of Police Technology & Management, Fort. Myers, Florida 11/17

Hazardous Materials Incident Commander (40 hour), TTCI Emergency Response Training, 08/02

Explosion Investigation and Analysis, National Association of Fire Investigators, Washington, DC, 05/02

Confined Space Entry, University of Maryland Fire Academy, 04/01

Safety, Health and Environmental Management Training for Field Activities 40-hour Course, EPA, Washington, DC, 11/00.

Occupational Safety and Health Training for Managers, NTSB, Washington, DC, 11/00

Advanced Interviewing and Interrogations Course, FLETC, Gelenco, GA., 11/00

24 Hour HAZWOPER, University of Maryland Fire Academy, 04/00

Analyzing Risk: Science, Assessment, and Management, Harvard University School of Public Health, 10/99

Air Transportation of Hazardous Materials, Transportation Safety Institute, 05/99

Tank Car Specialist, TTCI Emergency Response Training, 05/99

Facilitator Workshop, USDA Graduate School, 02/99

Hazardous Materials Transportation Accidents Seminar, Huntsville Training Institute, 02/98

Radiological Training for First Responders, HTMA, 10/97

MC 300/DOT 400 Cargo Tanks Seminar, HTMA, 10/97

Principles of Accident Investigation, National Transportation Safety Board, 09/97

Aircraft Accident Investigation School, National Transportation Safety Board, 09/97

40 Hour HAZWOPER, 11/96



Positions Held

Engineering Systems Inc., Washington, D.C.

Director Regulatory and Compliance – Transportation & Safety, 2015 – Present
Senior Managing Consultant, 2015 – Present

All Aboard Florida, Coral Gables, Florida

Director for Environmental Planning, 2014 – 2015

National Highway Traffic Safety Administration (NHTSA), Washington, DC

Associate Administrator for Rulemaking, 2011 – 2014

United States House of Representatives, Washington, DC

Congressional Fellow, 2010 – 2011

Federal Aviation Administration, Washington, DC

Director, Office of Hazardous Materials, 2008 - 2011

National Surface Transportation Policy & Revenue Study Commission, Washington, DC

Deputy Executive Director, 2007 – 2008

Federal Railroad Administration, Washington, DC

Special Assistant to the Administrator, 2005 – 2008
Environmental Program Manager, 2003 – 2005

United States Senate, Washington, DC

Congressional Fellow, 2003

National Transportation Safety Board, Washington, DC

General Engineer (Hazardous Materials)/Accident Investigator, 1997 – 2003

Engineering Consulting Firms, Multiple Locations

Senior Environmental Engineer/Program Manager, 1993 – 1997

United States Marine Corps, Multiple Locations

Aviation Ordnance Munitions, 1987 – 1991

Publications/Presentations

The Future of Mobility Panel, Panelist Member, Kellogg Innovative Network Global 2017, Chicago, IL, June 2017.

Bonanti, C.J., et al. "After the Call: Post-Accident FMCSA and NTSB Inquiries," DRI, In Transit: The Newsletter of the Trucking Law Committee, March 2017, Vol 20, Issue 1.

Government Investigations & Regulations-II, presented at the FDCC 14th Annual Corporate Counsel Symposium, Philadelphia, PA, September 2016.

Advanced Issues with FRA & NTSB: What the FRA & NTSB Can (and Can't) Do, presented at the 23rd Annual Railroad Claims & Liability Seminar, Des Moines, IA, July 2016.

NHTSA's School Bus Standards and Safety Programs, presented at the AFL-CIO Transportation Trades Department, School Bus Summit, Washington, DC, December 2013.

Your Other Full Time Job: Keeping up with Changing Safety Regulations, presented at the American Trucking Association Annual Conference, October 2013.

Rulemaking in the United States, presented at the ESV conference, Seoul Korea, May 2013.

Motor Carrier Regulatory Summary, presented at the Motor Carrier Safety Advisory Committee, April 2013.

Federal Motor Vehicle Safety Standards and how they can be benchmarked to Military Vehicles, presented at the Reliability, Maintainability and Supportability Partnership DOD/DOT workshop, Springfield, VA September 2012.

World Forum for Harmonization of Vehicle Regulations (WP.29), representing the UNECE (United Nations Economic Commission of Europe) presented at the inaugural Global NCAP meeting in Malaysia, May 2012.

Current NHTSA Regulatory Issues with Tires, presented at the Clemson Tire Industry Conference, April 2012.

Briefing for the NAS Committee on the Assessment of Technologies for Improving Fuel Economy of Light-Duty Vehicles – Phase 2, presented at the National Academy of Science, Washington, DC, March 2012.

Bonanti, C.J., "FAA's Hazardous Materials Compliance & Enforcement Program," American Bar Association, Transportation Committee Quarterly, Winter 2009, Vol. 2, No. 1.

Bonanti, C.J., "A Methodology for Predicting the Acute Toxicity Dosage of a Fatal Chemical Exposure, Utilizing Risk Assessment Algorithms," The Pennsylvania State University Library, December 1995.

Other Research Contributions & Seminars

Hazardous Material/Waste Transportation Safety – Its Effect on the Environment, *Proceedings of the Air & Waste Management Association's Annual Conference, June 1998.*

Selection of Emission Monitoring Systems for Open Burning/Open Detonation Facilities, *Proceedings of the American Defense Preparedness Association's 1997 Hazardous Materials and Waste Management Conference and Exhibition, Portland, Oregon, January 1997.*

Predicting Acute Toxic Exposures from Accidental Releases, *Proceedings of the Air & Waste Management Association's Annual Conference, June 1996.*

Bioremediation of Trinitrotoluene (TNT), presented at the 1995 Annual Meeting of A&WMA Conference, San Antonio, TX, June 1995.