

**Sebastien Arsenault** joined Transport Canada in 2009 as a Civil Aviation Safety Inspector in the continuing airworthiness group. Sebastien has over 15 years of aviation experience in Aircraft Maintenance, Research and Development and Aerospace Manufacturing, ranging from utility aircraft maintenance (crop dusting, Bush flying) to second tier Air Operator (Part 704- Commuters) to complex manufacturing environment (Bombardier Aerospace) Sebastien is currently leading a multidisciplinary team of subject matter experts dedicated to the betterment of the Civil Aviation Surveillance Program. The project goal is to deliver a surveillance program that effectively maintains aviation safety through;

- enhanced risk-based decision-making;
- efficient and lean surveillance processes;
- consistent surveillance program application throughout the system; and
- Increased job satisfaction through enhanced tools, training and relying on professional judgment.

**Andrew Campbell** joined Standards Branch of Transport Canada Civil Aviation (TCCA) in 2014 as a Civil Aviation Safety Inspector. Andrew's work relates to the harmonization and maintenance of guidance and education for policy initiatives that cross functional areas within Transport Canada. This focuses mainly on Safety Management Systems (SMS) and TCCA's Oversight/Surveillance Program. Before joining Transport Canada Andrew was a commercial pilot for 15 years. His experience includes instruction at all levels including aerobatic flight training, as well as low level geophysical survey flying. Andrew also previously managed an SMS for the North American fixed-wing branch of an international geophysical survey company. He is passionate and dedicated to the advancement of aviation safety.

**Jauhari Arsad** is currently Senior Manager (Airworthiness Engineering) in CAAS' Airworthiness/Flight Operations Division. He is part of the team responsible for approvals and surveillance of Design and Production Organizations, and for reviewing applications for engineering approvals such as Supplemental Type Certificates (STCs) and Singapore Technical Standard Order (STSOs). He also actively participates in Type Certificate (TC) validations of new aircraft types. Prior to joining the Airworthiness Engineering section, Jauhari spent 2 years in the Standardization & Planning section which was responsible for driving integrated sense making, planning, control, and standardization in the Airworthiness/Flight Operations Division. As part of his portfolio, he was responsible for implementing the enhanced Risk Based Surveillance (eRBS) framework for the Division, which continues until today. Jauhari Arsad holds an M.Eng in Aeronautical Engineering (1st Class Honors) from Imperial College London.

**Richard Thummel** is Deputy Director of the DSAC, the French authority in charge of rulemaking, certification and oversight in the field of aviation safety and of approvals and inspections in the field of air transport security. He began his career in 1985 at the Technical Department of the ANS provider, where he got experience in public procurement in the Radar and Displays division, before he was appointed head of the Cautra system division, a 40 technicians and engineers team dealing with system architecture and software engineering for the ATC system. From 1994, as head of the Operation division of the Civil Aviation South Directorate in Toulouse Blagnac, he led the approach control centre and was responsible for oversight of general aviation activities and oversight of locally based air operators.

In 1998, he was appointed head of civil aviation services at the French-Swiss Basel Mulhouse airport, and deputy director of EuroAirport, the airport authority. He mainly cope with airport capacity increase in a challenging environment, implementation of security measures, and management of environmental issues in a tri-national cross border region.

From 2005 to 2007, he put in place at the DCS (the forerunner of DSAC) the methods of oversight of Air Navigation Service Providers and was head of the initial certification program of DSNA, the ATC provider. From 2007 to 2014, he worked in the higher education sector, as dean of studies of the Ecole nationale des ponts et chaussées, member of Paris Institute of Technology.

Richard Thummel is graduated from Ecole Polytechnique (MSc in engineering; 1983) and from the Ecole nationale de l'aviation civile (MEng in civil aviation; 1985).

**Mark Vincent** has been working for the CAA since Oct 2017, where he became the PBR Principle. Prior to this he spent 22 years in the Royal Air Force in a variety of roles in aviation delivery, including operating as an Air Traffic Controller and then as an Aviation Safety Management Specialist. Within the CAA PBR team he is responsible for the Performance Based Oversight (PBO) process, standardisation and for developing the PBR systems.

Summary of experience

- Mark has over 22 years of aviation experience. Roles have included Ops Support, Air Traffic Control, Safety Specialist and Training and Standards.
- Extensive experience of leadership and mentoring both as a line manager and as an Operational Air Traffic Control Supervisor.
- He has led the successful implementation of bespoke SMS's in 2 key Air Traffic Control Centres.
- As testament to his work ethic he was awarded an Air Officer Commanding (AOC) commendation in the Queens Birthday Honours for work in aviation safety.

Education

- MSc (Distinction) Air Safety Management
- Level 5 Diploma in Leadership and Management

Languages

- English

**Elizabeth Gnehm** is responsible for the Safety Management Programme at ICAO and her duties include serving as the Secretary of the Safety Management Panel, which has developed proposals for the first and second editions of Annex 19 – Safety Management, and leading a team to develop initiatives that support the implementation of State safety programmes (SSP) and safety management systems (SMS) worldwide. Ms. Gnehm also spent 9 years working in the ICAO Universal Safety Oversight Audit Programme (USOAP) as Technical Coordinator, Team Leader and Airworthiness Auditor and has participated in over 50 ICAO USOAP missions. She has been a facilitator for the Safety Oversight Airworthiness Inspector's Course at the Singapore Aviation Academy since 2010. Prior to joining ICAO in 2002, she worked for the US Federal Aviation Administration as the Airworthiness Advisor to the Spanish DGAC and in the Seattle Aircraft Certification Office in the Structures Unit. Ms. Gnehm has also worked for the Boeing Company as a structures and dynamic loads engineer under various airplane programmes and holds a Bachelor of Science degree and a Master of Science degree in Aerospace Engineering from Texas A&M University.

**Marco Merens** is the chief of the ICAO's Integrated Aviation Analysis section inside the Air Navigation Bureau. He started his career as an aeronautical engineer at Airbus in Toulouse working on the design of avionic and flight control systems for the A340 and A380. He then went back to his home country of Luxembourg to join the CAA where he held various positions from head of the airworthiness department to the manager of the CAA's occurrence reporting and analysis system, before joining ICAO in 2009 as safety data analysis officer. Creator of the ICAO integrated Safety Trend Analysis System, he became chief of the section in 2015.

**Gian Andrea Bandieri** holds a Master degree in Aeronautical Engineering from Politecnico di Torino and a Master in Aviation Law from the University of Modena.

In 1992 he joined the Italian CAA (RAI, now ENAC), as an airworthiness surveyor. During the next ten years his activities ranged from airworthiness to maintenance and operations (both helicopters and airplanes) with some involvement in type certification.

In 2002 he moved to the industry: initially he managed a business aircraft operator. Then he worked for a regional airline as Quality Manager and, lately, as Technical Director.

In 2007 he joined EASA as Standardisation Team Leader in airworthiness. Since 2012 is working on standardisation coordination and cross-domain issues.

Currently, he is in charge of coordinating the Standardisation process within EASA and is the focal point for Risk Based Oversight. In this capacity, he led the working group on inspectors competencies established by the EASA Management Board.

**Javier Puente** is Aircraft Operations Expert at SRVSOP and is in charge of all operations activities, including Latin American Regulations (LAR) development, OPS expert panel coordination, training development and provision, technical support coordination for member States, and production of technical material such as manuals and orientations for safety inspectors.

Prior to joining SRVSOP in 2012, he worked at the Bolivian DGAC first as Accident Investigator, and later as Regional Manager for 10 years, and then as instructor and advisor for the industry. He holds an MBA with specialization in Project Management, a Bachelor's Degree in Law, and a Post Graduate Diploma on Higher Education.