

Project Leader

○ Prof. Dr. iur. Elmar Giemulla (TÜV NORD AVIATION)

Prof. Dr. Elmar Giemulla is a lawyer specialised in international and European aviation law. He is co-author of numerous publications such as *European Air Law* (4 volumes), *German Aviation Law* (4 volumes) and *The Warsaw Convention* (4 volumes), as well as a number of essays on numerous issues in the field of aviation (among others, airport and privatisation law).

Prof. Dr. Elmar Giemulla has also advised several governmental institutions (among others, the Russian, Hungarian, Ukrainian, Bulgarian and Serbian Ministry of Transports) in the implementation of national aviation legislations, or the transposition of international and European aviation legislations into the national legal framework.

Besides his activities at TÜV NORD AVIATION, Prof. Dr. Giemulla is lecturer in Aviation Law at the Technical University Berlin and trainer on ICAO-related topics (e.g. Chicago convention, ICAO SARPs) for EASA.

Project Members

○ Hendrik Schorcht (TÜV NORD AVIATION)

Hendrik Schorcht is based at the Berlin office of TÜV NORD AVIATION. He is specialised in international and European aviation law, aerodrome certification and licensing issues, as well as aviation safety management systems.

Mr. Schorcht has advised several international civil aviation authorities (Bulgaria, Poland, FAA, ICAO) and is Lead Auditor at TÜV NORD AVIATION, the Europe's first "Recognized Organisation" for the European certification procedures of air navigation services, and has gained extensive knowledge through numerous complex audits and certification procedures (e.g. for the DFS-German Air Traffic Navigation Services).

Mr. Schorcht is also member of the Technical and Operational Safety Committee of the Airport Council International (ACI TOSC), as well as member of a task-force created by the German Ministry of Transport, aimed at reviewing and providing guidance for the successful implementation of ICAO Annex 14 SARPs and aerodrome safety management system requirements prior to aerodrome certification.

Together with two other experts, including Prof. Dr. Giemulla, Mr. Schorcht co-authored the *Handbook of Aviation Law (Handbuch des Luftverkehrsrechts)*, Carl Heymanns Verlag, 2004).

Furthermore, Hendrik Schorcht provided training to EASA on the topic "Practical Implementation of Safety Management Systems at Aerodromes", lecturer in European and International Aviation Law and Aviation Safety at the University of Applied Science in Berlin Wildau, and in Aerodrome Licensing and Certification at the Technical University Berlin.

○ John B. Gibson (TÜV NORD AVIATION)

John B. Gibson is recently retired from twenty years service with the UK CAA. He is an engineer by profession and has been working as a management system specialist in safety, quality and security dealing in certification and oversight of organisations operating in the UK aerodrome sector. Specifically, his main responsibilities were focussed on ANSP certification but in the UK certified organisations commonly provide aerodrome and air traffic services. The large private sector in the UK ensures that there are particular complexities and a need for sympathetic resolutions for organisations simultaneously addressing ICAO annexes 10, 12 and 14 as well as directions determined by EASA, SES and Eurocontrol.

Mr Gibson has advised both aerodromes and sub-contractors on the purpose and value of systematic approaches to the management of safety, quality and security. He has been instrumental in persuading and encouraging UK organisations to comply with ICAO guidance and EASA/Eurocontrol requirements. He was also part of the team which derived and designed additional support material for UK organisations in the aerodrome and en-route sectors.

He has operated as a lead auditor in the oversight of UK organisations and helped to develop the UK regional oversight support programme. In addition to implementation and oversight activities at UK aerodromes he has worked in collaboration with the French DGCA in the certification of the States of Jersey as a UK Crown Dependency operating in part of French airspace.

Since his retirements John B. Gibson works for the avtaion branch of TÜV NORD as trainer and aviation expert.

○ **Dr. -Ing Holger Schulz** (airsight GmbH)

Dr. Holger Schulz, co-founder and managing director of the airsight GmbH, holds a PhD in Aeronautical Engineering and possesses more than 15 years of international experience in aerodrome operation and safety.

Dr. Schulz is advisor to the Aerodromes Panel and the Obstacle Clearance Panel (OCP) of the ICAO for the development of design criteria and review of safety regulations, participates in the EASA's European Strategic Safety Initiative and is a member of the Technical and Operational Safety Committee of the Airport Council International (ACI TOSC).

Dr. Schulz's projects demonstrate his versatility and substantial management skills, as well as his motivation in assuming important personnel and budget responsibilities.

More than 200 aviation experts have also given high marks to Dr. Schulz's courses on Airport Safety Management, Flight Procedure Design (ICAO PANS-OPS) and Airport's Obstacle Assessment.

Beside his activities on behalf of the airsight GmbH, Dr. Schulz is lecturer at the Institute of Aeronautical Engineering of the Technical University of Berlin and holds a Commercial Pilot's License (CPL).

○ **Dipl. -Ing. Reiko Schröder** (airsight GmbH)

Mr. Schroeder holds a Master's of Science in Aeronautical Engineering and leads, as an experienced airport planning engineer, airsight's consulting department. He has been responsible for several projects involving aerodrome operations and infrastructure's safety, capacity, and compliance to ICAO SARPs. Since 1999, Mr. Schroeder has been providing his expertise to the Berlin-Tegel airport (airside layout, dimensioning, including inspections and audits), and was, among others, the project leader for the verification of the airside infrastructure's A380 compatibility at Frankfurt airport and Hamburg Finkenwerder aerodrome.

Furthermore, Mr. Schroeder shares his knowledge with other industry experts in airsight's training courses "Apron Planning and Design" and "Runway Planning and Design".

○ **Dipl. -Ing. Florian Schmidt** (airsight GmbH)

Mr. Florian Schmidt holds a Master's degree in Transportation Engineering and is an expert on airport safety assessments and safety management systems.

Mr. Schmidt has implemented several safety management systems, including the documentation of the aerodromes procedures, as well as conducted numerous safety assessments of deviations to the ICAO Annex 14 SARPs for clients such as Brussels, Saarbrücken, Hamburg-Finkenwerder, Düsseldorf and Warsaw airports.

Mr. Schmidt is advisor to the ICAO Instrument Flight Procedure Panel on behalf of the German Ministry of Transport, and consultant for the airside operations of Berlin-Tegel Airport.

Mr. Schmidt also shares his knowledge with other aviation experts in airsight's training courses "Air Traffic Noise", "Aviation Capacity" and "Flight Procedure Design – ICAO PANS-OPS".

○ **Dipl. -Ing. Christian Hellebrandt** (airsight GmbH)

Mr Christian Hellebrandt holds a Master's degree in Aeronautical Engineering as well as a Master's in Transport Economics from the French Ecole Nationale de l'Aviation Civile (ENAC).

Mr Hellebrandt is an expert in aviation safety assessment and conducted in the past few years numerous comprehensive safety assessments for several international aerodromes (e. g. *Brussels, Frankfurt Airport*) and Aircraft Manufacturer (e. g. *Airbus*).

He initiated the development of the airsight incident and accident database, containing relevant accident data from more than 20 years and more than 30 countries and serving as a basis for the quantitative safety assessment carried out by airsight.

Mr Hellebrandt is further advisor, on behalf of the German Ministry of Transport, of the ICAO Aerodrome Design Working Group, responsible for the development of design criteria and review of safety regulations (since 2005). For this working group, he developed for instance proposals for dimensions of the runway strip width and the runway end safety area (RESA) length and width based on quantitative risk analysis – supported by the airsight incident and accident database –.

Mr Hellebrandt also shares his knowledge with other aviation experts in airsight's training courses "Aviation Safety".

○ **Dipl. -Ing. Edmond Bouchot** (airsight GmbH)

Edmond Bouchot, a native of France with a Master's of Science in Aeronautical Engineering, is responsible for airsight's IT consulting department and international business development.

In the last few years, Mr. Bouchot has managed air traffic management software and consulting projects for international clients such as EUROCONTROL, Skyguide and Avinor.

Mr. Bouchot is currently in charge of airsight's software development department, which implements IT solutions for airports and airlines on the basis of international aviation standards such as Joint Aviation Regulations (JAR) and ICAO SARPs (e.g. obstacle limitation surfaces and safety management systems).

As a multilingual and experienced international project manager, Mr. Bouchot is also responsible for the development of airsight's international business activities.

○ **Dipl. -Ing. Malte Karger** (airsight GmbH)

Mr. Malte Karger, holding a Master of Science in Transportation Engineering, is responsible for flight procedure design and obstacle assessment of airsight's consulting division.

As a project engineer Mr. Karger is involved in aeronautical studies and safety assessments (e.g. for Brussels National Airport and Berlin-Tegel Airport). Mr. Karger is further trainer of the airsight courses "Flight Procedure Design (ICAO PANS-OPS)" and "Airport Master Planning".

During his diploma thesis Mr. Karger analysed future requirements of ICAO Annex 14 resulting from enhancements of ICAO Doc 8168 (PANS-OPS, Vol. II).