TRAINING ACADEMY

MANAGING AGL MAINTENANCE TRAINING COURSE

TRAINAIR PLUS™
Bronze Member





ADB SAFEGATE
TRAINING ACADEMY

AGL Essential training. Key aspects:

Target audience:	**Delivery format**:
Personnel involved in AGL maintenance management & operations.	Classroom / On-site training.

Pre-requisites:	**Certification**:
Age +18 | English | AGL Essentials course | Relevant experience.	Official Completion Certificate (upon passing test)

Training Objectives

At the end of the training, participant should be able to:

- Describe AGL operation and maintenance aspects, procedures, tools, equipment and practices.
- Explain the differences between corrective and preventive maintenance systems and their impact on airport operations.
- Establish a typical state-of-the-art maintenance structure depending on the installed base.
- Define the roles and responsibilities of each member of the AGL maintenance team.

What is covered?

- Definition of Maintenance (preventive and corrective)
    - AGL life-cycle analysis
- Maintenance structure
    - Maintenance department structures
    - Resource competency management
- Functions description
- Operational and Maintenance Planning
    - AGL limitations
- Corrective and Preventive (conditional/scheduled) Maintenance procedures
    - Analysis of objectives
    - Cost comparison between preventive and corrective
    - Failure analysis and statistics
- Documentation management
- Competency management
- Tools and Equipment
    - AGL fitting tools
    - CCR tools
    - PAPI calibration tools
    - Safety precautions
- Spare parts management
- Airside Safety, AGL and High Voltage Safety Procedures and Regulations

Industry-standard Training

All training delivered by ADB SAFEGATE is conducted in accordance with the guidelines defined in:

EASA

- Easy Access Rules for Aerodromes, No 139-2014, latest edition

ICAO Standards and documents:

- ICAO Procedures or Air Navigation Services, document 9981 – Aerodromes
- Training Course Number 101 (Airport Engineering – Planning, Design and Construction) AGA ENG
- Training Course Number 104 (Airport Maintenance – Electrical including Airport Lighting and Power Generation) AGA MTC ELC.
- ICAO Design Manuals Parts 1, 4, 5, 6 & 9
- ICAO Annex 14

FAA circulars (current edition)

- AC150-5340-30
- AC150-5345-10/26/28/46/53

International Electro-technical Commission (IEC) documents:

- IEC 61821: Electrical installations for lighting and beaconing of aerodromes – Maintenance of aeronautical ground lighting constant current series circuits.
- IEC 61822: Electrical installations for lighting and beaconing of aerodromes – Constant Current Regulators
- IEC 61823: Electrical installations for lighting and beaconing of aerodromes – AGL series transformers
- IEC TS 61827: Electrical installations for lighting and beaconing of aerodromes – Characteristics of inset and elevated luminaires used on aerodromes and heliports
- IEC TS 62143: Aeronautical Ground Lighting – Guidelines for the development of a safety lifecycle methodology.

Target Audience

Personnel involved in the management of maintenance and/or operation of AGL products and systems.

Pre-requisites

- Minimum age: 18 years.
- Education / qualification requirements: Relevant experience in airfield and/or management
- Linguistic requirement: English for standard scheduled sessions. Events delivery in native language to be agreed upon.
- Pre-requirements: AGL Essentials training completed and job function related to airfield environment and tasks.

Training arrangements

This training is mostly theoretical with triggered interactions. Training parts are delivered by default:

- in classroom environment, with beamer/projector, desk for the instructor, desks for the students and seats for every individual. Sound system might be necessary if the attendance size requires.
- In PowerPoint-based lecturing style alternating with various interactions, discussions, and exercises.

Training assessment

Assessments are performed at the end of the session, unless agreed differently between ADB SAFEGATE and the client. The tests are chosen among a defined list of examinations put at the disposal of the trainer, revised yearly. Assessments are:

- Online by default, in English
- Automatically corrected. These must not be corrected locally by the trainer.
- Awarding a completion certificate if the passing score is met or exceeded by the attendee.
- Invigilated by the trainer, unless agreed otherwise. Attendees might be invited to prove their identity if a doubt exists.

If the assessment criteria are not met, a certificate of attendance is granted to the attendees.

If the test is failed, the responsible training manager and client will be informed. A second attempt can be made within one week. If the second attempt is failed or not existing, the training must be passed fully again.

Adaptations to the training delivery can be made by the trainer, in accordance with the client's wishes. However, the agreed training scope during the ordering phase must be covered. Any non-coverage of planned content must be agreed at training manager level. Training content and processes are reviewed on a yearly basis.

Practical arrangements

In order to prepare your training in best conditions, you are invited to register latest 3 weeks in advance via our sales network: Country sales contacts are available here. Alternatively, please use the registration website https://airfieldtrainingacademy.com/ or create a training request on the Jira portal: Training Academy - Jira Service Management (atlassian.net)

- **Training location** is to be agreed upon: this training can be delivered either on-site or at our regional offices.

In case the training is delivered at our Belgian factory, we have lined up a few practical details so you know what to expect from us:

- **Location address:**
  ADB SAFEGATE BV,
  Salyxlaan 9100, 1830 Machelen, Belgium. Tel +32 2 722 17 11.
- **Airport pick-up and drop-off** a taxi driver will wait for you at the airport and will bring you back to the airport when returning home
- **Hotel reservation via ADB SAFEGATE** We offer hotels at corporate rates, daily taxi shuttle included. If you make your own hotel reservation please make sure to also arrange your daily transport to and from ADB SAFEGATE.
- **Daily taxi shuttle** Only included in hotel reservations made via ADB SAFEGATE. If you make your own hotel reservation, please make sure to also arrange your daily transport to and from ADB SAFEGATE.
- **Lunch at noon** We serve a variety of warm and cold buffet and make sure to respect your halal, kosher, or vegetarian preference.
- **Drinks and coffee** are available continuously during the course.
- **Course handouts** all training slides will be printed and bundled to use during the course and take home with you.

Training Reservation and Cancellation conditions

- **Attendance confirmation** is required at latest 3 weeks before the start of the training.
- **Registration** of new attendants is accepted up to 2 weeks before the start of the training.
- **Cancellations need to be communicated** to ADB SAFEGATE in written at latest 3 weeks before the start of the training. For cancellations made later than 3 weeks before the start of the training, the full training fee will be charged.
- **ADB SAFEGATE reserves the right to** cancel or postpone trainings until three weeks before the start of the training.
- **Food and hotel requirements** need to be communicated to ADB SAFEGATE at latest 3 weeks before the start of the training.
- **Arrival date & arrival time** for the airport pick-up need to be communicated to ADB SAFEGATE at latest one week before the start of the training.

Maintenance training - Airfield Ground Lighting

Course Schedule

	DAY 1	DAY 2	DAY 3	DAY 4
09:00	Introduction & Airside 4.0 for maintenance	AGL systems lifecycle	Set-up of a maintenance organization	Visual inspection of AGL components, pit & substation maintenance
11:10	AGL maintenance categories	Documentation management	Maintenance SOPs	Cloud-based maintenance systems (CORTEX SERVICE)
12:20	Lunch break	Lunch break	Lunch break	Lunch break
13:10	Airside operational safety measures	Maintenance schedule & tasks	Spare parts management	Competence management
14:20	Electrical safety, LOTO, PPE and safe procedures	Documentation management & SOPs	Best practices in AGL maintenance	Discussion & Evaluation
16:00	End	End	End	End