AGL qualification process

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1

Scope

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✧ Manual that will specify the procedures and policies necessary to implement and sustain a **uniform standard** for **Qualification of AGL Personnel** for developing the

➢ specialized skills,
➢ knowledge,
➢ and abilities for the design, installation, operation and maintenance of AGL Systems in a Country's NAS (National Airport System)

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2

Background!

➢ In 2013 at IESALC Tucson conference, through discussions with various members, it was noted that electricians involved in the maintenance and installation of AGL systems were not being trained to a particular standard.

➢ The training they were receiving was limited to equipment manufactures, and on-the-job training (OJT) by senior personnel.

➢ Some private companies have gone ahead and developed various programs to provide training but no standard is in place to provide guidance on the training curriculum.

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3

What is it?

➢ This manual establishes the procedure and assigns responsibility for administration of an AGL Qualification Program.
➢ General guidance is provided for the management, planning, conduct and evaluation of the AGL Qualification Program.
➢ It ensures that personnel responsible for the installation, maintenance, and engineering of AGL Systems are proficient in performing assigned duties.
➢ It works in conjunction with the AGL Technical Training program. This manual will be developed with the curriculum listed for Training Companies to develop a standardized training program.

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4

Table of content

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5

Table of content

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6

Table of content

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7

Qualification Level

◇ Electrician Construction Level 1
◇ Electrician Construction Level 2
◇ Electrician Construction Supervisor
◇ Electrician Construction Instructor
◇ Electrician Maintenance
◇ Electrician Maintenance Instructor
◇ Electrical Maintenance Management
◇ AGL Electrical Inspector
◇ Airport operator
◇ Engineers

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8

Table of Qualification

Curriculum for a qualification level – example

Curriculum	Instruction Method	Instruction Location	Required Instruction Hours	Continuing Education Required	Continuing Education Hours	CE Instruction Method
AGL Construction Electrician Level 1						
History of Airport Lighting	Class RM / Distance Learning	On Site / On-line	1	NO		
Airport Lighting Overview	Class RM / Distance Learning	On Site / On-line	1	NO		
Safety	Class RM with OJT	On Site	1	Yes	1	Class RM / On Site
Airfield Lighting Regulations	Class RM / Distance Learning	On Site / On-line	2	Yes	1	Class RM / On-line
Test Equipment and Measurements	Class RM / Distance Learning	On Site / On-line	2	Yes	0,5	Class Rm / Distance Learning
	OJT/EHOT/DoP	On Site w/ Supervision	1	Yes	1	DoP
Airport Lighting Series Circuits	Class Rm / Distance Learning	On Site / On-line	1,5	Yes	0,5	Class Rm / Distance Learning
Constant Current Regulators	Class RM / Distance Learning	On Site / On-line	3	Yes	1	Class Rm / Distance Learning
	OJT/EHOT/DoP	On Site w/ Supervision	2	Yes	1	DoP
Constant Current Regulators – Set up	Class RM / Distance Learning	On Site / On-line	2	Yes	0,5	Class Rm / Distance Learning
	OJT/EHOT/DoP	On Site w/ Supervision	1	Yes	1	DoP
Airfield Lighting Control Systems	Class RM / Distance Learning	On Site / On-line	1	Yes	0,5	Class Rm / Distance Learning
Airfield Lighting Control Installation	OJT/EHOT/DoP	On Site w/ Supervision	1	Yes	1	DoP
Series Circuit Cable, Connectors and Transformers	Class RM / Distance Learning	On Site / On-line	2	Yes	0,5	Class Rm / Distance Learning
Series Circuits Cable Connectors and Transformers – Installation	OJT/EHOT/DoP	On Site w/ Supervision	2	Yes	1	DoP

Next steps

◇ Fine tune chapter 7.

◇ Finalised qualification level and review for each type of qualification the mandatory training

◇ Open dialog with Training Companies and Equipment Manufactures to develop training curriculum

◇ Prepare the AGL Technical Training Program

◇ Continue the discussion with ICAO, IEC and EASA to include AGL training program into regulation.

◇ Open for new member to participate.

Thanks to Carl Moore for his devotion for the preparation of the document

10

Thank you

Question
or
comments?

11