This unit is about carrying out inspections and testing of the aeronautical ground lighting (AGL) systems and equipment. You should be able to work out what airfield maintenance is needed and initiate this.

This unit consists of two elements:

1. Maintain aeronautical ground lighting serviceability
2. Direct and control aeronautical ground lighting maintenance operations

This unit is for people working in airports carrying out supervisory or team leading roles with responsibilities for aeronautical ground lighting systems and equipment.
You must be able to:

**Maintain aeronautical ground lighting serviceability**

- **P1** inspect aeronautical ground lighting systems and equipment according to your organisation's procedures
- **P2** take appropriate action when serviceability or performance standards do not meet specified levels
- **P3** carry out safe isolation of the appropriate AGL circuit in accordance with the requirements of BS EN 61821 and your organisation's safe working procedures
- **P4** carry out appropriate testing of AGL systems and equipment according to your organisation's procedures
- **P5** give all relevant parties information about AGL performance standards according to your organisation's procedures

**Direct and control aeronautical ground lighting maintenance operations**

- **P6** use appropriate information sources to establish AGL maintenance needs
- **P7** initiate AGL maintenance operations in response to established needs or urgent requests
- **P8** make sure that AGL maintenance operations are carried out safely and efficiently and according to your organisation's procedures
- **P9** ensure that all work is carried out in accordance with the requirements of BS EN 61821 and your organisation's safe working procedures
- **P10** take appropriate action in response to any deficiencies in AGL performance standards
- **P11** give all relevant parties information about AGL performance standards according to your organisation's procedures
- **P12** complete all relevant documents accurately
- **P13** process all relevant documents according to your organisation's procedures

**Knowledge and understanding**

You need to know and understand:

- **Maintain aeronautical ground lighting serviceability**
  - **K1** AGL systems including beacons, runway lights, approach lights, taxiway lights and approach path indicators
  - **K2** your organisation's procedures for measuring and testing AGL serviceability and standards
  - **K3** BS EN 61821 and your organisation's safe working procedures for isolation of the appropriate AGL circuit
Maintain aeronautical ground lighting serviceability

- K4 inspection and testing of AGL circuits and equipment
- K5 appropriate output performance testing procedures including assessment of photometric standards
- K6 your organisation’s recording and reporting procedures in relation to AGL serviceability

You need to know and understand:

**Direct and control aeronautical ground lighting maintenance operations**

- K7 AGL standards including the requirements of CAP168 and BS EN 61821
- K8 your organisation's AGL maintenance practices and agreed performance and serviceability standards
- K9 your organisation's standard safety and working practices in relation to AGL systems and equipment
- K10 the operation of a safe system of work for the safe isolation of the relevant circuit in accordance with BS EN 61821 and your organisation's safe working procedures
- K11 your organisation's procedures for dealing with shortfalls in AGL system performance and standards
- K12 your organisation's procedures for reporting AGL performance standards
- K13 your organisation's procedures for recording AGL maintenance
- K14 your organisation's communication channels and procedures including how to report any problems
PPLAOG56
Maintain aeronautical ground lighting serviceability

Additional Information

Glossary

AGL
Aeronautical Ground Lighting

CAP
Civil Aviation Publication

Links to other NOS

This unit complements:

PPLAOG30  Maintain airfield serviceability and operations
PPLAOG33  Monitor airfield maintenance operations
PPLAOG40  Monitor airfield condition and operations
PPLAOG53  Inspect and maintain aeronautical ground lighting systems

Further information

The most up to date CAA regulations can be found on the CAA website at www.caa.co.uk
**PPLAOG56**
Maintain aeronautical ground lighting serviceability

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