



**BUREAU  
VERITAS**

## CERTIFICATE OF CONFORMITY

08/X29/1/10552360-1001-1, Rev.0

**TO:  
FAA AC 150/5345-56B**

Products:

Intelligent Airport Lighting Control and Monitoring System

Manufactured by:

Airsafe Airport Equipment Co., Ltd

Applications:

I-ALCMS (L890-X-B)

We hereby certify:

That we conducted an inspection, review and documental study of the characteristics of the above mentioned equipment based on the reports of tests carried by the laboratories:

**SQI - Shanghai Institute of Quality Inspection and Technical Research,**

as Certified National Certification Body who carried out testing according to the IECEE CB Scheme for the Scope as listed in the relevant part of the IECEE Web Site at [www.iecee.org](http://www.iecee.org).

On the base of all the foregoing, and in view of the results obtained on the test of the Intelligent airport lighting control and Monitoring system Model ALCMS-B; we confirm that: the Intelligent airport lighting control and Monitoring system, model **I-ALCMS (L890-X-B)** above referenced, manufactured by Airsafe Airport Equipment Co.Ltd., designed for airfield indicator applications,

**FULFIL SATISFACTORILY**


the demands and requirements of the above mentioned standards and of technical provisions of AENA referred in the present document, and specifically the specification of the FAA AC 150/5345-56B:



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Test	FAA AC 150/5345-56B	Result
	Tests / Type	It fulfils
<u>Level 1 ALCMS</u>		
Communication link test	10.6.1 (1.1.1 to 1.1.9)	Satisfactory
Tower preset lighting control test	10.6.2 (1.2.1 to 1.2.24)	Satisfactory
Tower remote control test	10.6.3 (1.3.1.3.18)	Satisfactory
Requesting and granting control	10.6.4 (1.4.1 to 1.4.9)	Satisfactory
<u>Level 3 ALCMS</u>		
Communication link test	10.8.1 (3.1.1 to 3.1.15)	Satisfactory
Remote / local test	10.8.2 (3.2.1 to 3.2.5)	Satisfactory
UPS monitoring	10.8.3 (3.3.1 to 3.3.5)	Satisfactory
Loss of communication	10.8.4.1 (3.4.1 to 3.4.3)	Satisfactory
Computer reboot	10.8.4.2 (3.5.1 to 3.5.3)	Satisfactory
Power failure	10.8.4.3 (3.6.1 to 3.6.3)	Satisfactory
Event handling test	10.8.5 (3.7.1 to 3.7.3)	Satisfactory
Event reporting test	10.8.6 (3.8.1)	Satisfactory
<u>Level 4 ALCMS</u>		
Initiating a low visibility test	10.9.3 (4.1.1 to 4.1.5)	Satisfactory
Stop bar cycling and resetting test	10.9.4 (4.2.1 to 4.2.6)	Satisfactory
Stop bar presence detector test	10.9.5 (4.3.1 to 4.3.10)	Satisfactory
Sensor override test	10.9.6 (4.4.1 to 4.4.13)	Satisfactory
Stop bar presence detector failure test	10.9.7 (4.5.1 to 4.5.11)	Satisfactory
Stop bar lamps out warning and alarm test	10.9.8 (4.6.1 to 4.6.14)	Satisfactory
Taxiway lead-on lights lamps out warning and alarm test	10.9.9 (4.7.1 to 4.7.8)	Satisfactory
Stop bar failsafe test	10.9.10 (4.8.1 to 4.8.7)	Satisfactory

And for the record for the appropriate purposes we issue and sign this Certification in Barcelona, on March 19 of 2021.

Location	Date	Name	Signature
Barcelona (Spain)	March 19 <sup>th</sup> , 2021	Laura Arcas (Technical Inspector)	

Registration code. **08/X29/1/10552360-1001-1 Revision 0, date March 19, 2021**

**ANNEXES :**

- *Certificate of Acceptance SQI*, reference TL259, date 2018/04/11, by IECEE (1 page)
- *Datasheet of Intelligent airport lighting control and monitoring system*, reference I-ALCMS, by AIRSAFE (2 pages)
- *Test Report Intelligent airport lighting control and monitoring system*, report number W01812150023E, date 2021/01/21, , by SQI (44 pages)