

# CONFORMITY CERTIFICATE

08/X29/1/6290549-1001-1, rev.4

**ICAO, Annex 14, Volume I, 7<sup>th</sup> Edition**  
**EASA CS-ADR-DSN, Issue 4, 8<sup>th</sup> December 2017**  
**FAA AC 150/5345-44K**  
**AENA DIN/DSEYN/PPT/022-02/12**

## CERTIFIES:

That, to request of the Company: Airsafe Airport Equipment Co. Ltd proceeds to the inspection, review and documental study technical equipment, Led signs for airports lighting model **TGSL-H** and **ASIS-H**:

Reference  
**TGSL-H**  
**ASIS-H**

Light source  
**LED White – Taxiway Guidance Sign**  
**LED White – Aircraft Stand Identification Sign**

That all the foregoing, and in view of the results obtained, is considered that:  
The Led Signs model **TGSL-H** and **ASIS-H** above referenced, manufactured by Airsafe Airport Equipment Co. Ltd, destined for airports lighting applications, FULFIL SATISFACTORILY the demands and requirements of the standards and technical requisites that referred in the present document, and specifically the specifications of the FAA AC 150/5345-44K, ICAO Annex 14 Volume I and AENA PPT 022-02/12:

Test	Reference section	Result
	Type	It fulfils
Wind load and frangibility test	4.1.1.2 (FAA AC 150/5345-44J)	Complies
Variance of luminance	3.2.5.5.f (FAA AC 150/5345-44J)	Complies
Rain test	4.1.1.4 (FAA AC 150/5345-44J)	Complies
Low temperature test	4.1.1.5 (FAA AC 150/5345-44J)	Complies
High temperature test	4.1.1.6 (FAA AC 150/5345-44J)	Complies
Power factor test	4.1.1.9 (FAA AC 150/5345-44J)	Complies
Surge voltage test	4.1.1.10 (FAA AC 150/5345-44J)	Complies
Photometric test	Appendix 4 (ICAO Annex 14, Volume I)	Complies
Chromaticity test	Appendix 1. Figure A1-4 (ICAO Annex 14, Volume I)	Complies
<u>Electrical tests:</u> a. Dielectric rigidity b. Creepage and clearance c. Insulation resistance c. Electrical shock d. Accelerated life	6.1.2.3 (AENA PPT/022-02/12)	Complies Complies Complies Complies Complies
Electromagnetic Compatibility test	6.1.3.1 (AENA PPT/022-02/12)	Complies
Accelerated life	6.1.3.2 (AENA PPT/022-02/12)	Complies
Light output at high temperature	6.1.3.4 (AENA PPT/022-02/12)	Complies
Additional test as per AENA	AENA PPT/022-02/12	Complies

As well as the requirements listed in ICAO Annex 14, Volume I, and EASA CS-ADR-DSN, Issue 4, detailed below:

LED signs	ICAO		EASA		Result It fulfils
	Photometry test	Chromaticity test	Photometry test	Chromaticity test	
TGSL-H	-Appendix 4-	Figure A1-4 -Appendix 1-	-CS ADR-DSN.N.775-	Figure U-4 -CS ADR-DSN.U.935-	Satisfactory
ASIS-H	-Appendix 4-	Figure A1-4 -Appendix 1-	-CS ADR-DSN.N.775-	Figure U-1B -CS ADR-DSN.U.935-	Satisfactory

And for the record for the appropriate purposes is issued and signed this Certification in Barcelona, May 31, 2018.

**Inspector Bureau Veritas**  
**Laura Arcas**

