

Certificado N°: / Certificate N°: **E1 48881903**

## CERTIFICADO EVALUACIÓN INICIAL INITIAL ASSESSMENT CERTIFICATE

El presente certificado acredita que: / The following certificate ensures that:

**SHENZHEN AUTO-VOX TECHNOLOGY CO., LTD.**  
Room 709, Building 5, Jinfanghua E-commerce Industrial Park  
No.2 Xinhe Street, Maantang Community, Bantian Street, Longgang District  
518129, Shenzhen, GUANGDONG (CHINA)

dispone de un sistema de gestión de calidad y de los procedimientos y planes de conformidad de la producción adecuados para garantizar el cumplimiento con los requisitos del:  
has a quality management system and the conformity of production procedures and plans in compliance with the requirements of:

- Anexo 1 del acuerdo E/ECE/TRANS/505/Rev.3  
Schedule 1 of the Agreement E/ECE/TRANS/505/Rev.3

Alcance: / Scope: Ver Anexo I / See Annex I

El certificado se emite como consecuencia del expediente **48881903**, correspondiente a la auditoría realizada el 26 de abril de 2019.

The certificate is issued as a result of the **48881903** file, relevant to the audit carried out the 26<sup>th</sup> of April 2019.

Fecha 1ª emisión: / 1<sup>st</sup> Issue Date: 30.04.2019 / 2019.04.30

Válido hasta: / Valid until: 30.04.2021 / 2021.04.30



**D. José M<sup>a</sup> Martínez-Val Peñalosa**  
Director F<sup>2</sup>I<sup>2</sup>

El presente certificado puede ser verificado en la página web de la Unidad de Certificación del Automóvil (<http://www.UCANET.ES/CSV.aspx>), mediante el Código Seguro de Verificación:  
This certificate can be verified on the Automobile Certification Unit's website (<http://www.UCANET.ES/CSV.aspx>) through the Secure Verification Code:

**tZNjbo8CSuNEa**

DESIGNADO POR: / APPOINTED BY:



**FUNDACIÓN PARA EL FOMENTO DE LA INNOVACIÓN INDUSTRIAL**  
C/ José Gutiérrez Abascal, 2, 28006: Madrid - CIF: ESG/80-455231



Certificado N°: / Certificate N°: **E1 48881903**

## Anexo I / Annex I

ALCANCE	SCOPE	Cumple con / Fulfills with		
		Legislación Nacional National Legislation	Directiva / Reglamento (UE) Directive / Regulation (EU)	Reglamento ONU UN Regulation
Componentes y/o unidades técnicas independientes en relación con la compatibilidad electromagnética	Components and/or separate technical units with regard to electromagnetic compatibility			10

### Plantas de Fabricación / Manufacturing Plants

Room 709, Building 5, Jinfanghua E-commerce Industrial Park, No.2 Xinhe Street, Maantang Community, Bantian Street, Longgang District, 518129, Shenzhen, GUANGDONG (CHINA)



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**UCA IA AUDIT REPORT NO.: 48881903**

Performed by  
**IDIADA**  
(IDIADA Report No.: CN19040541)

According to the requirements of  
REGULATION 10 UN/ECE

Of the company  
**Shenzhen Auto-vox Technology Co.,Ltd.**

On 26<sup>th</sup> of April 2019



**I. DETAILS OF THE AUDIT**

**UCA Audit Report:** 48881903

**Date of Audit:** April 26 ,2019

**Audit Type:** IA for ECE Regulation 10

**Scope:** Component

<p><b>Company Audited:</b> Shenzhen Auto-vox Technology Co.,Ltd.</p> <p><b>Address:</b></p> <ul style="list-style-type: none"> <li>Room 709,Building 5,Jinfanghua E-commerce Industrial Park, No.2 Xinhe Street, Maantang Community, Bantian Street,LonggangDistrict,Shenzhen,Guangdong,China 518129</li> </ul> <p><b>Assembly plant audited:</b></p> <ul style="list-style-type: none"> <li>Shenzhen Auto-vox Technology Co.,Ltd.</li> <li>Room 709,Building 5,Jinfanghua E-commerce Industrial Park, No.2 Xinhe Street, Maantang Community, Bantian Street,LonggangDistrict,Shenzhen,Guangdong,China 518129</li> </ul>
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**Auditors:** Kent Lian (Idiada)

**Representatives of company audited:**

- Xuyu Li (Homologation Responsible)

**Applicable regulations:**

- REGULATION 10 UN/ECE
- ISO 9001:2015

Applicable regulations		
EC Directive/ECE Regulation	Product (description)	Sales figures for the homologated products (last year)
ECE Regulation 10	Wireless car backup camera with monitor	N.A. (Initial assessment)

**Reference documents of the audited company:**

- Homologation reports
- Quality certificate
- Quality management system manual
- Quality management system documents

**Homologation numbers declared by manufacturer during the audit:**

Número de homologación / Homologation numbers		
N.A.	N.A.	N.A.

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## II. EXECUTION OF AUDIT

The audit began with an initial meeting attended by the representatives of the audited company and the representative of IDIADA.

The initial meeting determined the scope of the audit, which evaluates the quality management system implemented by the manufacturer to determine if the aspects of conformity of production are covered.

The audited company has been registered in the manufacturers/importers database of the Spanish Ministry, with the following data:

Spanish Ministry registration			
Registration No.	Manufacturer	Representative	Make
29325	Shenzhen Auto-vox Technology Co.,Ltd.	VALENTÍ BIOSCA SAUMELL	Auto-vox

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Verifique el informe con código de seguridad «6HQ66DWG» en: <https://extranet.idiada.com/hom-cve>

CN19040541

IDIADA



The company has the following production plants:

Production plants							
Company name	Address	External?	Certified				
			Sort	Scope	Issued by	Valid since	Valid until
Shenzhen Auto-vox Technology Co.,Ltd.	Room 709,Building 5,Jinfanghua E-commerce Industrial Park, No.2 Xinhe Street, Maantang Community, Bantian Street,LonggangDistrict, Shenzhen,Guangdong,China 518129	No	ISO 9001:2015	design,manufacture & sales of auto electronic products	ZRX	08-06-2018	10-06-2021

The production plant certificate is attached in the report annex.

The place of the assessment was in the following production plant: Room 709,Building 5,Jinfanghua E-commerce Industrial Park, No.2 Xinhe Street, Maantang Community, Bantian Street,LonggangDistrict,Shenzhen,Guangdong,China 518129

The quality management system manual and the main company departments were revised.

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**Homologations management**

The company applies a homologations management system that is reflected in section 5.3 of quality management system manual.

**Management review**

The record of the last management review in April, 2019 was inspected, and no deviation was detected.

**Competence, training and awareness**

The training record of Xuyu Li (Management representative), was checked, and no deviation was detected.

**Control of design and development changes**

Design and development changes affecting homologations are identified and controlled and included in technical input or technical change quality processes. Included in Section 7.1 of quality manual.

**CoP management**

The company presents the conformity of production plan, which is included in section 7.2 of quality management system manual.

**II.1 Production plant inspection**

The production plant inspection is carried out in order to verify the entire process, from pre-production planning to delivery of the finished product.

**1. Pre-production planning**

Purchased items stock is continually reviewed and controlled using an auto-prediction system to minimize potential delays in manufacturing.

Purchased materials and equipment which is to be incorporated that could affect the quality of the final product are verified by authorized personnel upon receipt. Unacceptable material or equipment identified during the initial inspection are separated.

**2. Design and development**

There is a procedure to plan and implement new projects as well as design changes (Section 7.3 of quality manual). This procedure defines clearly the type approval requirements. Every Project includes all testing required for homologation.

**3. Non-conformities**

There is a procedure for detected non-conformities management. This procedure includes description of corrective and preventive actions, as well as the management and identification of non-conformance products., which is included in section 8.3 of quality management system manual.

**4. Homologation**

The homologation department is integrated in the research and development department and it has 4 people, each of them specialized in different regulations. Yan Junfeng is the responsible for the department.



## 5. Measurements and analysis

The manufacturer has their own test equipment for most of tests required in the applicable regulations and directives. However, in the case that they cannot perform the test in their facilities, the manufacturer is subcontracting those tests to recognized technical services. They include it in section 8.2 of quality manual.

## 6. Production stages description

The results of the batch conformity check are recorded in the working order. If the check fails, the nature of the defect is confirmed and the required action is notified: rework, salvage or scrap. The error not recorded for internal analysis.

The finished product is not transferred to quality control for the final inspection because the control is performed after each operation.

All finished products are marked with a warranty number and the production date is registered for future reference.

The finished production order is input in the system and the finished product is deposited in the shipping area.

## 7. Manufacture of finished products

The procedures and work instructions include the working methods, standards of acceptability and, where applicable inspection and testing techniques at critical points of the manufacturing process to ensure that the quality requirements are achieved. They include it in section 7.6 of quality manual.

## 8. Delivery of the finished product

The finished product is selected as required in customer order. Then, it is packed and the despatch is arranged following the customer requirements.

The manufacturer includes installation instructions and offers their customers a technical helpline for any doubts.

## 9. Product marking

Marking		
Make	Type	Approval no.
N.A.	N.A.	N.A.

## 10. Production line review

The type approved components from suppliers are checked in goods inwards area. It's mentioned in Section 7.6 of the quality manual .

An internal production order number is assigned to each VIN number, which will follow the vehicle during all the manufacturing process. The VIN is marked in the first manufacturing stage.

The controls in the production process are described in de Control Plan for each manufacturing stage. Regords of those controls are kept.





Final details and car tuning are performed in the final inspection section. If any non-conformity is found, the necessary actions are taken.

## II.2 Production conformity plan

Verification was done according to the provisions of Section 9 of Regulation 10 UN/ECE.

The company has a CoP plan according to the applicable regulation R10 UN/ECE.

The laboratory test equipment is installed by the manufacturer and the calibration is undertaken every 12 months to ensure accurate readings from the test equipment.

A label is stuck to any equipment requiring calibration to ensure that the equipment is properly calibrated. To avoid delays in the calibration of test equipment, a timetable is set out.

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Finally, in the final meeting, the auditor presented his conclusions and the observations detected, as well as the next steps to be taken in the control of production process.

In the same way, the manufacturer is reminded that an audit is a sample and therefore there may be more non-conformities in the system in addition to those detected in the audit.



### **III. NON-CONFORMITIES**

Not detected

### **IV. OBSERVATIONS**

Not detected

### **V. LAST OPEN AUDIT OBSERVATIONS**

Not detected

### **VI. CONCLUSIONS**

#### Non-Conformities

The non-conformities must be corrected at the earliest possible date. The documentation to verify that the appropriate corrective actions have been carried out should be sent to IDIADA for evaluation. Once checked, IDIADA will, if necessary, communicate to the company the date of the audit to check the implementation of the measures taken.

If, within three months, IDIADA has not been informed that the corrective actions have been carried out in the non-conformities detected, the necessary measures will be taken.

#### Remarks

The manufacturer will add the verification result page of the calibration certification. The correction of the observations made in this audit will be the subject of checking in the next visit for the conformity of production control. The correction of the observations made in this audit will be the subject of checking in the next visit for the conformity of production control.



After the analysis of the production process and the tests carried out to control the conformity of production, IDIADA considers that:

**The management system defined by  
Shenzhen Auto-vox Technology Co.,Ltd**

**In its production plant:  
Shenzhen Auto-vox Technology Co.,Ltd**

**Room 709, Building 5, Jinfanghua E-commerce Industrial Park, No.2 Xinhe Street, Maantang  
Community, Bantian Street, Longgang District, Shenzhen, Guangdong, China 518129**

**For the fulfillment of the requirements of the REGULATION 10  
Is defined and implemented effectively**

except for the non-conformities and remarks mentioned in Sections III and IV of this report.

Place: L'Albornar (Santa Oliva)

Date: 29/04/2019

**On behalf of IDIADA:**

Guohui(kent) Lian  
AUDITOR  
AUDITOR