



Repubblica di San Marino
Autorità per l'Omologazione
Republic of San Marino
Authority for Homologation

Via Consiglio dei Sessanta, 99
47891 Dogana - Repubblica di San Marino

Comunicazione
Communication

	Concernente ^{2/} Concerning ^{2/}	Il rilascio dell'omologazione Approval granted L'estensione dell'omologazione Approval extended Il rifiuto dell'omologazione Approval refused La revoca dell'omologazione Approval withdrawn La cessazione definitiva della produzione Production definitively discontinued
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of a type of device or system pursuant to Regulation No. 149

Class of the device: B

Change index: 0

Omologazione N. <i>Approval No.</i>	E57*149R00/08*2233	Estensione N. <i>Extension No.</i>	00
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Marchio di omologazione <i>Approval mark</i>	See Manufacturer's Information Document No. MFT001-00
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Identificatore Unico (IU) (se applicabile) <i>Unique Identifier (UI) (if applicable)</i>	N/A
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1. Trade name or mark of the device or system: **Ankesen**
2. Manufacturer's name for the type of device or system: MFT001
3. Manufacturer's name and address: **TAIZHOU ANKESHEN AUTO LIGHTING CO., LTD.**
No.418, East Erhuan Road, Dongcheng Street, Huangyan District, Taizhou City, Zhejiang Province, China.
4. If applicable, name and address of the manufacturer's representative: Not applicable
5. Submitted for approval on: April 15, 2025
6. Technical Service responsible for conducting approval tests: **AUTOMOTIVE TECHNICAL SERVICE S.r.l.**
Via Consiglio dei Sessanta, 99
47891 – DOGANA Repubblica di San Marino
7. Date of report issued by that Service: May 12, 2025
8. Number of report issued by that Service: ATS-SM-IR-149-21488
9. Brief description:
- 9.1. For Headlamps of Classes ~~A and B~~¹
- 9.1.1. Category as described by the relevant marking³: HC/R PL
- 9.1.2. Number, category and kind of light sources: Driving Beam/ Passing Beam: 1 LED module with 6 LEDs
- 9.1.3. Reference luminous flux used for the principal passing-beam (lm): 1580lm
- 9.1.4. Principal passing-beam operated at approximately (V): 13.2V
- 9.1.5. Measures according to paragraph 4.12. of this Regulation: See Inspection Report No. ATS-SM-IR-149-21488
- 9.1.6. Number and specific identification code(s) of LED module(s) and for each LED module a statement whether it is replaceable or not: Not applicable
- 9.1.7. Number and specific identification code(s) of electronic light source control gear(s): Not applicable
- 9.1.8. Total objective luminous flux as described in paragraph 4.5.6. of this Regulation exceeds 2,000 lumens: ~~yes/no/does not apply~~²

9.1.9.	The adjustment of the cut-off has been determined at:	10 m/25 m/does not apply ¹
9.2.	For headlamps of Class D	Not applicable
9.2.1.	Headlamp/system submitted for approval as type ⁴ :	Not applicable
9.2.2.	The passing beam light source may/may not ¹ be lit simultaneously with the driving beam light source and/or another reciprocally incorporated headlamp.	Not applicable
9.2.3.	The rated voltage of the device is:	Not applicable
9.2.4.	Number, category and kind of light source(s):	Not applicable
9.2.4.1.	If more than one objective luminous flux value is specified:	Not applicable
	Objective luminous flux value used for the principal passing beam:	Not applicable
9.2.4.2.	If more than one objective luminous flux value is specified:	Not applicable
	Objective luminous flux value used for the driving beam:	Not applicable
9.2.5.	Trade name and identification number of separate ballast(s) or part(s) of ballast(s):	Not applicable
9.2.6.	The adjustment of the "cut-off" has been determined at:	10 m/25 m ¹
	The determination of the minimum sharpness of the "cut-off" has been carried out at:	10 m/25 m ¹
9.2.7.	Number and specific identification code(s) of LED module(s):	Not applicable
9.2.8.	Distributed lighting system with one common gas-discharge light source:	yes/no ¹
9.2.9.	Remarks (if any):	Not applicable
9.2.10.	Measures according to paragraph 4.12. of this Regulation:	Not applicable

9.3. For AFS-Systems	Not applicable
9.3.1. Category as described by the relevant marking ⁵ :	Not applicable
9.3.2. Number, category and kind of light source(s)	Not applicable
9.3.2.1. Number and specific identification code(s) of LED module(s) and for each LED module a statement whether it is replaceable or not:	yes/no [±]
9.3.2.2. Number and specific identification code(s) of electronic light source control gear(s), if applicable	Not applicable
9.3.2.3. Total objective luminous flux as described in paragraph 4.5.2.6. of this Regulation exceeds 2,000 lumen:	yes/no [±]
9.3.3. (a) Indications according to paragraph 5.3.5.1. of this Regulation (which lighting unit(s) provide a "cut-off" as defined in Annex 5 of this Regulation, that projects into a zone extending from 6 degrees left to 4 degrees right and upwards from a horizontal line positioned at 0.8 degree down)	Not applicable
(b) The adjustment of the "cut-off" has been determined at:	10 m/25 m [±]
(c) The determination of the minimum of the minimum sharpness of the "cut-off" has been carried out at:	10 m/25 m [±]
9.3.4. The vehicle(s) for which the system is intended as original equipment	Not applicable
9.3.5. Whether approval is sought for a system which is not intended to be included as part of the approval of a vehicle type according to UN Regulation No. 48:	yes/no [±]
9.3.5.1. If in the affirmative: information sufficient to identify the vehicle(s) for which the system is intended	Not applicable
9.3.6. Indications according to paragraph 5.3.5.2. of this Regulation (which class E passing beam mode(s), if any, comply with a "data set" of Table 14 of this Regulation)	Not applicable
9.3.7. Whether approval is sought for a system intended to be installed on vehicles only, which provide means for a stabilization/limitation of the system's supply:	yes/no [±]

9.3.8. The adjustment of the “cut-off” has been determined at: ~~10 m/25 m³~~

9.3.9. The system is designed to provide passing beams of⁶: Not applicable

9.3.9.1. Class C ☐ Class V ☐ Class E ☐ Class W ☐ Not applicable

9.3.9.2. With the following mode(s), identified by the designation(s), if it applies¹⁴

Mode No. C 1	Mode No. V	Mode No. E	Mode No. W
Mode No. C	Mode No. V	Mode No. E	Mode No. W
Mode No. C	Mode No. V	Mode No. E	Mode No. W

9.3.9.5. Where the light units indicated below are energized^{5,7,8} for the mode No Not applicable

a) If no bend lighting applies:

Left side	No. 1 ☐	No. 3 ☐	No. 5 ☐	No. 7 ☐	No. 9 ☐	No. 11 ☐
Right side	No. 2 ☐	No. 4 ☐	No. 6 ☐	No. 8 ☐	No. 10 ☐	No. 12 ☐

b) If bend lighting of category 1 applies:

Left side	No. 1 ☐	No. 3 ☐	No. 5 ☐	No. 7 ☐	No. 9 ☐	No. 11 ☐
Right side	No. 2 ☐	No. 4 ☐	No. 6 ☐	No. 8 ☐	No. 10 ☐	No. 12 ☐

c) If bend lighting of category 2 applies:

Left side	No. 1 ☐	No. 3 ☐	No. 5 ☐	No. 7 ☐	No. 9 ☐	No. 11 ☐
Right side	No. 2 ☐	No. 4 ☐	No. 6 ☐	No. 8 ☐	No. 10 ☐	No. 12 ☐

Note: Indications according to paragraph (a) through (c) above are needed additionally for each further mode.

9.3.9.6. The lighting units marked below are energized, when the system is in its neutral state^{5,7} Not applicable

Left side	No. 1 ☐	No. 3 ☐	No. 5 ☐	No. 7 ☐	No. 9 ☐	No. 11 ☐
Right side	No. 2 ☐	No. 4 ☐	No. 6 ☐	No. 8 ☐	No. 10 ☐	No. 12 ☐

9.3.9.7. The lighting units marked below are energized, when the system is in its traffic change function^{5,6,7} Not applicable

a) If no bend lighting applies:

Left side	No. 1 ☐	No. 3 ☐	No. 5 ☐	No. 7 ☐	No. 9 ☐	No. 11 ☐
Right side	No. 2 ☐	No. 4 ☐	No. 6 ☐	No. 8 ☐	No. 10 ☐	No. 12 ☐

b) If bend lighting of category 1 applies:

Left side	No. 1 ☐	No. 3 ☐	No. 5 ☐	No. 7 ☐	No. 9 ☐	No. 11 ☐
Right side	No. 2 ☐	No. 4 ☐	No. 6 ☐	No. 8 ☐	No. 10 ☐	No. 12 ☐

c) If bend lighting of category 2 applies:

Left side	No. 1 ☐	No. 3 ☐	No. 5 ☐	No. 7 ☐	No. 9 ☐	No. 11 ☐
Right side	No. 2 ☐	No. 4 ☐	No. 6 ☐	No. 8 ☐	No. 10 ☐	No. 12 ☐

9.3.10. The system is designed to provide a main beam^{5,6,7}: Not applicable

9.3.10.1. Yes ☐ No ☐ Not applicable

9.3.10.2. With the following mode(s), identified by the designation(s), if it applies: Main beam mode No. M 1
Main beam mode No. M
Main beam mode No. M

9.3.10.5. Where the lighting units marked below are energized, for mode No. Not applicable

a) If no bend lighting applies:

Left side	No. 1 ☐	No. 3 ☐	No. 5 ☐	No. 7 ☐	No. 9 ☐	No. 11 ☐
Right side	No. 2 ☐	No. 4 ☐	No. 6 ☐	No. 8 ☐	No. 10 ☐	No. 12 ☐

b) If bend lighting applies:

Left side	No. 1 ☐	No. 3 ☐	No. 5 ☐	No. 7 ☐	No. 9 ☐	No. 11 ☐
Right side	No. 2 ☐	No. 4 ☐	No. 6 ☐	No. 8 ☐	No. 10 ☐	No. 12 ☐

Note: Indications according to paragraph (a) through (c) above are needed additionally for each further mode.

9.3.10.6. The lighting units marked below are energized, when the system is in its neutral state^{6,8} Not applicable

Left side	No. 1 ☐	No. 3 ☐	No. 5 ☐	No. 7 ☐	No. 9 ☐	No. 11 ☐
Right side	No. 2 ☐	No. 4 ☐	No. 6 ☐	No. 8 ☐	No. 10 ☐	No. 12 ☐

9.3.10.7. The system is designed to provide an adaptation of the driving beam for: Not applicable

Right-Hand and Left-Hand traffic: Yes ☐ No ☐

Right-Hand traffic only: Yes ☐ No ☐

Left-Hand traffic only: Yes ☐ No ☐

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9.4. For headlamps of Classes AS, BS, CS, DS and ES ¹	Not applicable
9.4.1. Category as described by the relevant marking ⁹ :	Not applicable
9.4.2. Number, category and kind of light source(s), if any:	Not applicable
9.4.3. Number and specific identification code(s) of LED modules and for each LED module a statement whether it is replaceable or not:	yes/no [‡]
9.4.4. Number and specific identification code(s) of electronic light source control gear(s), if any:	Not applicable
9.4.5. The determination of “cut-off” sharpness:	yes/no [‡]
If yes, it was carried out at	10 m/25 m [‡]
9.4.6. Trade name and identification number of separate ballast(s) or part(s) of ballast(s):	Not applicable
9.4.7. The passing beam light source may/may not ¹ be lit simultaneously with the driving beam light source and/or another reciprocally incorporated headlamp.	Not applicable
9.4.8. The minimum bank angle(s) to satisfy the requirement of paragraph 5.4.5.2., if any	Not applicable
9.4.9. Primary Driving Beam:	yes/no [‡]
Secondary Driving Beam:	yes/no [‡]
The Secondary Driving Beam shall only be operated together with a passing beam or a primary driving beam.	Not applicable



9.5. For front fog lamps Class F3	Not applicable
9.5.1. Class as described by the relevant marking:	(F3, F3/, F3PL, F3/PL)
9.5.2. Number, category and kind of light source(s):	Not applicable
9.5.3. LED module:	yes/no[‡]
and for each LED module a statement whether it is replaceable or not:	yes/no[‡]
9.5.4. LED module specific identification code:	Not applicable
9.5.5. Application of electronic light source control gear: ¹⁰	yes/no[‡]
Supply to the light source:	Not applicable
Specification of the light source control gear:	Not applicable
Input voltage: ¹¹	Not applicable
In the case of an electronic light source control gear not being part of the lamp:	Not applicable
Output signal specification:	Not applicable
9.5.6. Colour of light emitted:	white/selective yellow[‡]
9.5.7. Luminous flux of the light source (see paragraph 4.5.2.6.) greater than 2,000 lumens:	yes/no[‡]
9.5.8. Luminous intensity is variable:	yes/no[‡]
9.5.9. The determination of the cut-off gradient (if measured) was carried out at	10 m/25 m[‡]

- 9.6. For cornering lamps: Not applicable
- 9.6.1. Number, category and kind of light source(s):¹² Not applicable
- 9.6.2. Voltage and wattage: Not applicable
- 9.6.3. Light source module: ~~yes/no~~¹
- 9.6.4. Light source module specific identification code: Not applicable
- 9.6.5. Application of an electronic light source control gear: Not applicable
- (a) Being part of the lamp: ~~yes/no~~¹
- (b) Being not part of the lamp: ~~yes/no~~¹
- 9.6.6. Input voltage supplied by an electronic light source control gear: Not applicable
- 9.6.7. Electronic light source control gear manufacturer and identification number (when the light source control gear is part of the lamp but is not included into the lamp body): Not applicable
- 9.6.8. Geometrical conditions of installation and relating variations, if any: Not applicable
10. Approval mark(s) position(s): On the lens
11. Reason(s) for extension of approval (if applicable): Not applicable
12. Approval **~~GRANTED/EXTENDED/REFUSED/WITHDRAWN~~**¹
13. Place: DOGANA – Repubblica di San Marino
14. Date: 29/05/2025

15. Signature:




 Ing. Marco Conti
 Direttore Generale
 General Director

16. The list of documents deposited with the Type Approval Authority which has granted approval is annexed to this communication and may be obtained on request.

² Strike out what does not apply.

³ Indicate the appropriate marking selected from the list below:

C, C, C, R, R PL, CR, CR, CR, C/R, C/R, C/R, C/, C/, C/,
C, PL, C PL, C PL, CR PL, CR PL, CR PL, C/R PL, C/R PL, C/R PL,
C/PL, C/PL, C/PL
HC, HC, HC, HR, HR PL, HCR, HCR, HCR, HC/R, HC/R, HC/R, HC/, HC/, HC/,
HC PL, HC PL, HC PL, HCR PL, HCR PL, HCR PL, HC/R PL, HC/R PL, HC/R PL,
HC/PL, HC/PL, HC/PL

⁴ Indicate the appropriate marking selected from the list below:

DC, DC/, DC/PL, DR, DCR, DC/R, DC PL, DR PL, DCR PL, DC/R PL,
DC, DCR, DC/R, DC/, DC PL, DCR PL, DC/R PL, DC/PL,
DC, DCR, DC/R, DC/, DC PL, DCR PL, DC/R PL, DC/PL,

⁵ Indicate the appropriate marking as foreseen according to this Regulation for each installation unit or assembly of installation units.

⁶ Mark with an X where applicable.

⁷ To be extended if more modes are provided.

⁸ To be continued if more units are provided.

⁹ Indicate the appropriate marking selected from the list below:

C-AS,	C-BS,	R-BS,	CR-BS,	C/-BS,	C/R-BS,
WC-CS,	C-BS PL,	R-BS PL,	CR-BS PL,	C/-BS PL,	C/R-BS PL,
WC/-CS,	WC-DS,	WR-CS	WR-DS,	WCR-CS,	WCR-DS,
WC-DS PL,	WC/-DS,	WC/R-CS,	WC/R-DS,	WC-CS PL,	WCR-DS PL,
WC/CS PL,	WR-CS PL,	WR-DS PL,	WCR-CS PL,	WCR-DS PL,	
WC+CS,	WC/-DS PL,	WC/R-CS PL,	WC/R-DS PL,		
WC+CS PL,	WC+DS,	WC+R-CS,	WC+R-DS,	C+-BS,	C+R-BS,
WC-ES,	WC+DS PL,	WC+R-CS PL,	WC+R-DS PL,	C+-BS PL,	C+R-BS PL,
WR-ES PL,	WC-ES,	WCR-ES,	WC/-ES,	WC/R-ES,	WC-ES PL,
WC+ES,	WCR-ES PL,	WC/-ES PL,	WC/R-ES PL,		
	WC+R-ES,	WC+ES PL,	WC+R-ES PL,		

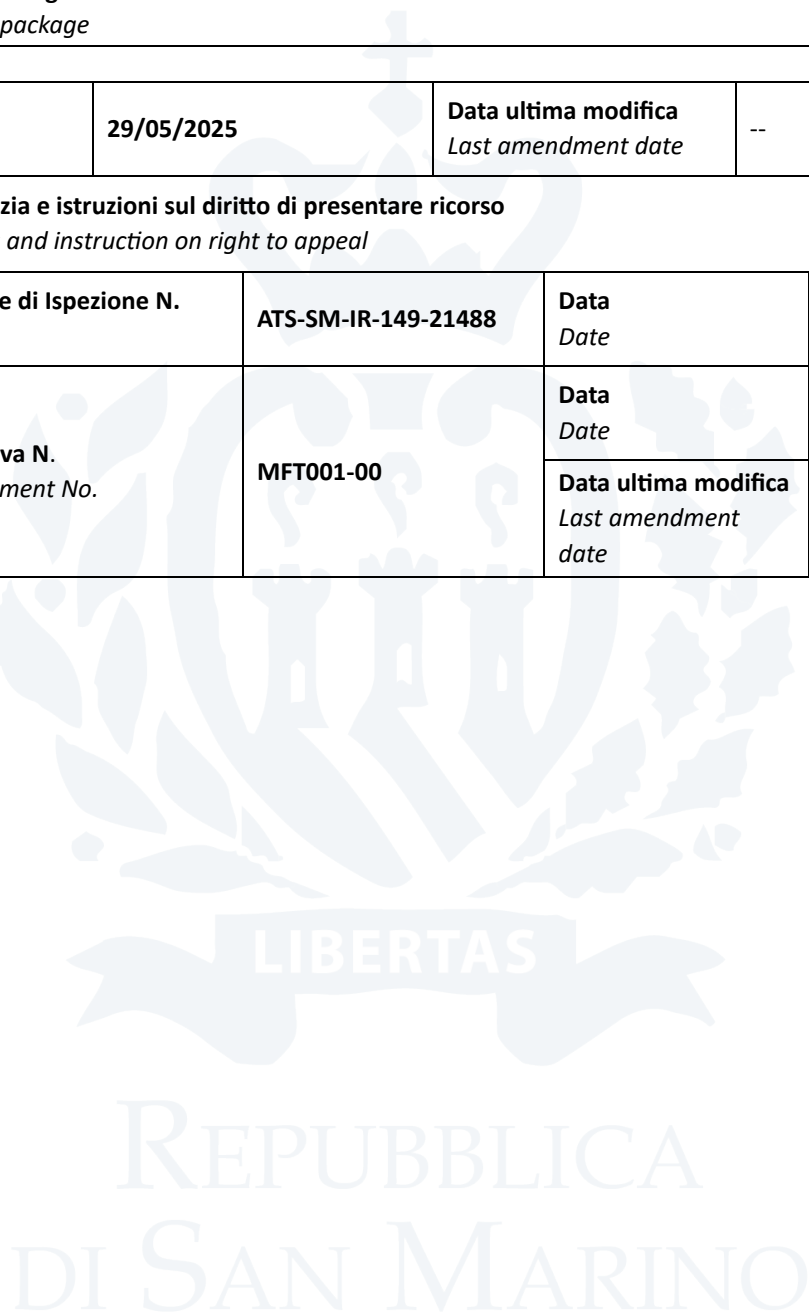
¹⁰ The voltage specifications shall include the tolerances or voltage range as specified by the manufacturer and verified by this approval.

¹¹ The parameters of the input voltage including duty cycle, frequency, pulse shape and peak voltage shall be included.

¹² For cornering lamps with non-replaceable light sources indicate the number and total wattage of the light sources used.



Allegato <i>Enclosure</i>				
Al certificato di omologazione ECE N. <i>To ECE approval certificate No.</i>		E57*149R00/08*2233*00		
Indice del fascicolo di omologazione <i>Index to the information package</i>				
Data <i>Date of issue</i>		29/05/2025	Data ultima modifica <i>Last amendment date</i>	--
1.	Clausole di garanzia e istruzioni sul diritto di presentare ricorso <i>Collateral clauses and instruction on right to appeal</i>			
2.	Rapporto(i) Finale di Ispezione N. <i>Test report(s) No.</i>	ATS-SM-IR-149-21488	Data <i>Date</i>	12/05/2025
3.	Scheda informativa N. <i>Information document No.</i>	MFT001-00	Data <i>Date</i>	15/04/2025
			Data ultima modifica <i>Last amendment date</i>	--



Clausole di garanzia e istruzioni sul diritto di presentare ricorso

Clausole di garanzia

La produzione in serie deve essere esattamente conforme ai documenti di omologazione. Le variazioni di produzione in serie sono consentite solo con il consenso espresso del **Autorità per l'Omologazione**.

Le variazioni del nome della società, l'indirizzo e lo stabilimento di produzione, nonché una delle parti che hanno l'autorità alla consegna o eventuali rappresentanti nominati al momento del rilascio dell'omologazione, devono essere immediatamente comunicate al **Autorità per l'Omologazione**. La violazione di queste regole può portare al ritiro dell'omologazione ed inoltre può essere legalmente perseguita.

L'omologazione decade se viene restituita o ritirata o se il tipo omologato non è più conforme ai requisiti di legge. La revoca può essere fatta se non esistono più i requisiti richiesti per il rilascio e la continuazione dell'omologazione, se il titolare dell'omologazione viola gli obblighi dettati dall'omologazione, anche nel caso in cui gli obblighi derivino dalle condizioni assegnate all'interno dell'omologazione, o se è accertato che il tipo approvato non è conforme ai requisiti di sicurezza del traffico e di tutela dell'ambiente.

L'**Autorità per l'Omologazione** può verificare la corretta applicazione della delega conferita rilasciata nella presente omologazione, in qualsiasi momento. In particolare, questo include la verifica della produzione, che sia conforme, nonché le misure di controllo di conformità della produzione. Per questo, possono essere presi dei campioni dalla produzione. I dipendenti o rappresentanti dell'**Autorità per l'Omologazione** possono avere accesso senza ostacoli agli impianti di produzione e stoccaggio.

La delega conferita contenuta nella presente omologazione non è trasferibile. I diritti del marchio di terzi non sono interessati da questa omologazione.

Istruzione su diritto di ricorso

Questa omologazione è appellabile entro un mese dalla notifica. Il ricorso deve essere presentato per iscritto o come una domanda inviata all' **Autorità per l'Omologazione** - Via Consiglio dei Sessanta, 99 - 47891 Dogana - Repubblica di San Marino.

Collateral clauses and instruction on right to appeal

Collateral clauses

*The individual production of serial fabrication must be in exact accordance with the approval documents. Changes in the individual production are only allowed with express consent of the **Authority for Homologation**.*

*Changes in the name of the company, the address and the manufacturing plant as well as one of the parties given the authority to delivery or authorized representative named when the approval was granted is to be immediately disclosed to the **Authority for Homologation**. Breach of this regulation can lead to recall of the approval and moreover can be legally prosecuted.*

The approval expires if it is returned or withdrawn or if the type approved no longer complies with the legal requirements. The revocation can be made if the demanded requirements for issuance and the continuance of the approval no longer exist, if the holder of the approval violates the duties involved in the approval, also to the extent that they result from the assigned conditions to this approval, or if it is determined that the approved type does not comply with the requirements of traffic safety or environmental protection.

*The **Authority for Homologation** may check the proper exercise of the conferred authority taken from this approval at any time. In particular this means the compliant production as well as the measures for conformity of production. For this purpose samples can be taken or have taken. The employees or the representatives of the **Authority for Homologation** may get unhindered access to the production and storage facilities.*

The conferred authority contained with issuance of this approval is not transferable. Trade mark rights of third parties are not affected with this approval.

Instruction on right to appeal

*This approval can be appealed within one month after notification. The appeal is to be filed in writing or as a transcript at the **Authority for Homologation** - Via Consiglio dei Sessanta, 99 - 47891 Dogana - Repubblica di San Marino.*