

**ECE TYPE-APPROVAL CERTIFICATE**  
Communication concerning the approval extended of an  
electrical/electronic sub-assembly with  
regard to Regulation No.10.



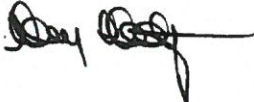
Approval No: **E24 10R-041582**

Extension No: **01**

Reason for extension:

***Component Layout changes  
New Variant with different power cable***

1. Make (trade name of manufacturer):  
***VIASAT S.P.A.  
Opt. VIASAT GROUP S.P.A.  
Opt. ELEM S.P.A.  
Opt. VEM SOLUTIONS S.r.l.***
2. Type and general commercial description:  
Variants:  
***ALS  
Vehicle telematic system  
ALS-1***
3. Means of identification of type, if marked on the component:  
***As variant name***
- 3.1 Location of that marking:  
***Adhesive label on the bottom of plastic box***
4. Category of vehicle:  
***See Appendix***
5. Name and address of manufacturer:  
***VIASAT S.p.A.,  
Via Tiburtina 1180,  
00156 Roma,  
Italy.***
6. In the case of components and separate technical units,  
location and method of affixing of the ECE approval mark:  
***Adhesive label on the bottom of plastic box***
7. Address(es) of assembly plant(s):  
***ELEM S.p.A.,  
Via Aosta 20/22/24,  
10078 VENARIA REALE (TO),  
Italy.***

8. Additional information (where applicable): *See appendix*
9. Technical service responsible for carrying out the tests: *IMQ S.p.A.,  
VIA Quintiliano, 43  
I-20138 Milano,  
Italy.*
10. Date of test report: *As before and 25.01.2016*
11. Number of test report: *New: ARSQ00003  
Former: ARSO00127*
12. Remarks (if any): *See Appendix*
13. Place: *Dublin*
14. Date: *27<sup>th</sup> January, 2016*
15. Signature: 



16. The index to the information package lodged with the approval authority, which may be obtained on request is attached.

### Appendix

To type-approval communication concerning the type approval of an electrical/electronic sub-assembly under Regulation No.10.

- |       |   |   |
|-------|---|---|
| 1.    | Additional information  |   |
| 1.1.  | Electrical system rated voltage:  | <i>12V, negative ground</i>               |
| 1.2.  | This ESA can be used on any vehicle type with the following restrictions:   | <i>See manufacturer's specifications.</i> |
| 1.2.1 | Installation conditions, if any:  | <i>See manufacturer's specifications.</i> |
| 1.3.  | This ESA can only be used on the following vehicle types:   | <i>N/A</i>                                |
| 1.3.1 | Installation conditions, if any:  | <i>N/A</i>                                |
| 1.4.  | The specific test method(s) used and the frequency ranges covered to determine immunity were:                       |   |
|       | <i>Bulk Current Injection Method:</i>   | <i>Frequency: 20-200 MHz</i>              |
|       | <i>Free Field Substitution Method:</i>  | <i>Frequency: 200-2000MHz</i>             |
| 1.5.  | Laboratory accredited to ISO 17025 and recognized by the Approval Authority responsible for carrying out the tests: | <i>IMQ S.p.A.</i>                         |
| 2.    | Remarks:  | <i>N/A</i>                                |

Appendix to type-approval communication concerning the type approval of a vehicle under Regulation No.10.

- |     |   |            |
|-----|---|------------|
| 1.  | Additional information  |            |
| 2.  | Special devices for the purpose of Annex 4 to this Regulation:  | <i>N/A</i> |
| 3.  | Electrical system rated voltage:  | <i>N/A</i> |
| 4.  | Type of bodywork:   | <i>N/A</i> |
| 5.  | List of electronic systems installed in the tested vehicle(s) not limited to the items in the information document: | <i>N/A</i> |
| 5.1 | Vehicle equipped with 24 GHz short-range radar equipment (yes/no):  | <i>N/A</i> |
| 6.  | Laboratory accredited to ISO 17025 and recognized by the Approval Authority responsible for carrying out the tests: | <i>N/A</i> |
| 7.  | Remarks:  | <i>N/A</i> |