



National Standards Authority of Ireland

**ECE TYPE-APPROVAL CERTIFICATE**



Communication concerning the approval granted  
of an electrical/electronic sub-assembly with regard to  
Regulation No.10.



Approval No: ***E24 10R-020284***

Extension No: *N/A.*

1. Make (trade name of manufacturer): ***ELFI S.r.l. or SAMPI SpA or STARTIT Srl or Informatica Valdinievole Srl***
2. Type and general commercial description: ***UNI.***
  - 2.1 Variants: ***UNI (with GSM/GPRS module + RS232 Port COM0 and COM1 + Printer connection).  
TURMS and TURMS-IV (with RS232 Port COM1 +Printer connection and modem GPRS only and no external connection for LPD receiver antenna).  
TURAN and TURAN-IV (without external RS232 ports and with out LPD receiver module).***
3. Means of identification of type, if marked on the Component: ***See 2. above.***
- 3.1 Location of that marking: ***On external side of enclosure.***
4. Category of vehicle: ***See Appendix.***
5. Name and address of manufacturer: ***ELFI S.r.l.,  
Via Martiri della Libertà, 52,  
I-51037 Montale (PT),  
Italy.***
6. In the case of components and separate technical units, location and method of affixing of the ECE approval mark: ***By adhesive label on external side of enclosure.***
7. Address(es) of assembly plant(s): ***MB Electronica Snc,  
Zona P.I.P. Vallone 35,  
I-52042 Cortona (AR),  
Italy.***

8. Additional information (where applicable): *See appendix.*
9. Technical service responsible for carrying out the tests: *TÜV Rheinland Italia S.r.l.,  
Via Gavardina di Sopra,  
Traversa II N°. 42,  
I-25010 Ponte S. Marco (BS)  
Italy.*
10. Date of test report: *12.09.2006.*
11. Number of test report: *55 00141 06, Vers. 0 .*
12. Remarks (if any): *See Appendix .*
13. Place: *Dublin.*
14. Date: *18<sup>th</sup> September, 2006.*
15. Signature:
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16. The index to the information package lodged with the approval authority, which may be obtained on request is attached.
- 16.1 Documentation: *42 sheets.*

**Appendix**

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

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|-------|---|---|
| 1.    | Additional information  |   |
| 1.1.  | Electrical system rated voltage:  | <i>12/24 volts nominal.</i>   |
| 1.2.  | This ESA can be used on any vehicle type with the following restrictions:                     | <i>N/A.</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>Stripline method (20-400 MHz).<br/>Free field method (400-1000 MHz).</i> |
| 1.5.  | Approved/accredited laboratory responsible for carrying out the tests:                        | <i>TÜV Rheinland Italia S.r.l.</i>  |
| 2.    | Remarks:  | <i>N/A.</i>   |

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

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|----|---|-------------|
| 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> |
| 6. | Approved/accredited laboratory (for the purpose of this Regulation) responsible for carrying out the tests:         | <i>N/A.</i> |
| 7. | Remarks:  | <i>N/A.</i> |