



THE UNITED KINGDOM VEHICLE APPROVAL AUTHORITY

COMMUNICATION CONCERNING THE APPROVAL GRANTED <sup>(1)</sup>/ ~~APPROVAL EXTENDED <sup>(4)</sup>/~~  
~~APPROVAL REFUSED <sup>(4)</sup>/ APPROVAL WITHDRAWN <sup>(4)</sup>/ PRODUCTION DEFINITELY~~  
~~DISCONTINUED <sup>(4)</sup>~~ OF A TYPE OF ELECTRICAL/ ELECTRONIC SUB-ASSEMBLY <sup>(1)</sup> WITH  
REGARD TO REGULATION NO. 10.04



Approval No: 10R-048351

Extension No: Not applicable

1. Make (trade name of manufacturer): Brigade Electronics PLC
2. Type and general commercial description(s): Backsense Radar
3. Means of identification of type, if marked on the ~~vehicle~~/component/~~separate technical unit~~ <sup>(1)</sup>:  
BS-7030, BS-7045, BS-7060, BS-8000 and future variants BS-XXXXXXXXXXXX where "X" can  
represent any character or number for different configurations
  - 3.1. Location of that marking: Adhesive label applied to the rear or bottom of the product housing
4. Category of vehicle: Not applicable
5. Name and address of manufacturer:  
Brigade Electronics PLC  
Brigade House, The Mills Trading Estate  
Station Road, South Darenth  
Kent, DA4 9BD  
United Kingdom
6. In the case of components and separate technical units, location and method of affixing of the  
ECE approval mark: See section 3.1



7. Address(es) of assembly plant(s):

No. 78, Gongye 3<sup>rd</sup> Road  
Technology Industrial Park  
Tainan City 70955  
Taiwan

8. Additional information (where applicable): See Appendix

9. Technical Service responsible for carrying out the tests: SGS UK Limited

10. Date of test report: 27 December 2013

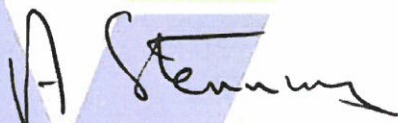
11. No. of test report: AUT184697/GH/13

12. Any remarks: See Appendix

13. Place: BRISTOL

14. Date: 23 JANUARY 2014

15. Signature:



A. W. STENNING  
Head of Technical and Quality Support Group

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

17. Reasons for extension: Not applicable

(1) Strike out what does not apply.

## Appendix

to type-approval communication form No. 10R-048351

concerning the type-approval of an electrical/electronic sub-assembly under Regulation No. 10.04

1. Additional information:
    - 1.1. Electrical system rated voltage: 12 – 24 V. ~~pos~~/neg ground <sup>(1)</sup>
    - 1.2. This ESA can be used on any vehicle type with the following restrictions: 12 – 24 V Negative ground
      - 1.2.1. Installation conditions, if any: See instructions with the product
    - 1.3. This ESA can be used only on the following vehicle types: Not applicable
      - 1.3.1. Installation conditions, if any: Not applicable
    - 1.4. The specific test method(s) used and the frequency ranges covered to determine immunity were: (Please specify precise method used from Annex 9): 20 to 200MHz (BCI at 60 m-Amps), 200 to 2000MHz (Free field at 30 V/m)
    - 1.5. Laboratory accredited to ISO 17025 and recognized by the Approval Authority responsible for carrying out the tests: SGS UK Limited (Durham)
  2. Remarks: None
- (1) Strike out what does not apply.