



THE UNITED KINGDOM VEHICLE APPROVAL AUTHORITY

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APPROVAL REFUSED⁽⁴⁾/APPROVAL WITHDRAWN⁽⁴⁾/PRODUCTION DEFINITELY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



Approval No: 10R-048351

Extension No.: 01

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~~:⁽¹⁾
BS -7030, BS-7045, BS-7060, BS-8000 and future variants BS-XXXXXXXXXXXX where "X"
and (XXXX) can represent any character (0-9, A-Z () or can be omitted) for any associated
variant, bespoke system which can have the software changes or customised settings or
reduced component population
 - 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
approval mark: See items 3 and 3.1.

7. Address(es) of assembly plant(s):
No 78, Gongye 3rd Road
Technology Industrial Park
Tainan City 70955
Taiwan
Republic of China
8. Additional information (where applicable): See Appendix
9. Technical Service responsible for carrying out the tests: SGS United Kingdom Limited
10. Date of test report: As before and Technical Letter 08 March 2022
11. No. of test report: As before and Technical Letter AUT301687/1
12. Remarks (if any): See Appendix

13. Place: BRISTOL

14. Date: 17 MARCH 2022

15. Signature:



C McCABE
Chief Technical and Statutory Operations Officer

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

17. Reasons for extension:

- 1) Reduce the technical contents in the technical pack
- 2) Updated Annex 2B (added brackets in section 3)

(1) Strike out what does not apply.

Appendix

to type-approval communication form No. E11 10R-048351 Extension 01

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

1. Additional information:
 - 1.1. Electrical system rated voltage: 12-24V. ~~pos~~/neg ground ⁽¹⁾
 - 1.2. This ESA can be used on any vehicle type with the following restrictions: 12-24V 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 30V/m).
 - 1.5. Laboratory accredited to ISO 17025 and recognized by the Approval Authority responsible for carrying out the tests: SGS United Kingdom Limited, Durham, United Kingdom.
 2. Remarks: Approval to Supplement 03
- (1) Strike out what does not apply.