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PORTABOOM

TIPES

Certificate No: 16/0001

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PORTABOOM

PORTABLE, RADIO CONTROLLED, TRAFFIC CONTROL DEVICE

This Certificate is issued in respect of the Product **PORTABOOM** that is used as a traffic control device. Existing, industry accepted traffic management principles, techniques and advanced signage layouts are utilised, with the device acting as the focus for traffic control, in lieu of alternatives (STOP/SLOW bats or portable traffic signals). As Portaboom is radio controlled (from a distance of up to 100 metres), the traffic controller is not directly exposed to live traffic, operating within an adjacent safe zone. Up to four devices can be operated by one controller, affording significant operational savings. Photograph shows a Portaboom in 'open' (traffic flow) and closed position.



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THIS CERTIFICATION INCLUDES:

- Factors relating to compliance with TIPES requirements
- Assessment criteria and technical investigations
- Typical applications and operational guidance

ORIGINAL KEY FACTORS ASSESSED:

Factor 1 – The foreseeable effectiveness of the device as a traffic control device.

Factor 2 – The claimed risk reduction/safety benefits of the device's operation over other current methods/techniques.

Factor 3 – The validity of testimonials and case studies of past usage of the device at road works of a diverse range and complexity in Australia.

RENEWED KEY FACTORS ASSESSED:

Factor 1 – The on-going effectiveness of the device as a traffic control device.

Factor 2 – The on-going risk reduction/safety benefits of the device's operation over other current methods/techniques.

Factor 3 – No changes to the functionality of the device that would require an updated full assessment.

PORTABOOM CERTIFICATE RENEWAL

Date Issued

Original
15/07/2016

Renewal
15/07/2019

Richard Wix
Acting Lead,
Strategic Enablers Group

Richard Yeo
Chief Operating Officer

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This Transport Infrastructure Product Evaluation Scheme (TIPES) Renewal Certificate is issued for 3 years from the renewal date by ARRB Group and supported by its road agencies. The Certificate is issued on the condition that compliance is achieved with the conditions stated. The product has been assessed by a TIPES Product Evaluation Panel as being fit for its intended use provided that it is installed, used and maintained as set out in this Certificate

CLAIM FOR PRODUCT

Portaboom is a portable traffic control device (TCD) designed to replace current traffic controller operated hand held STOP/SLOW bats, or as an alternative to portable traffic signals. The device has been specifically designed with the objective of removing controllers from live traffic lanes, allowing them to operate the device remotely, from a safe zone or position. The device had been used successfully on approximately 2,500 live road works sites at the time of the proponent's submission. Dedicated Standard Operating Procedures (SOPs) and Traffic Control Plans (TCPs) exist for the device, which is intended for use on all road sites where traffic does not exceed 60 km/h.

REGULATORY COMPLIANCE & APPLICATION GUIDES

INTENDED APPLICATION OF THE PRODUCT

Portaboom is intended for usage at all road works sites where traffic does not exceed 60 km/h (either in normal operation or when subject to temporary speed management), with the caveat that the device can be withdrawn from usage at any time in response to any local concerns/local on-site risk assessment, e.g. excessive wind gusts, visibility, traffic volumes, traffic speed etc. Full compliance with a traffic control plan pre-approved with the client for the works is essential.

MATERIAL SAFETY DATA SHEET

- For componentry (battery, etc) see proponent's original submission.

PRODUCT MANUFACTURE

- Certificate of registration ISO 9001:2008 Ref No. UQ140427RO.

APPLICATION SPECIFICATION

- Australian Standard AS 1742 (various parts) - Manual of Uniform Traffic Control Devices.
- State and territory road agency traffic controls for road works.

NATIONAL DOCUMENTS

- Austroroads Guide to Traffic Management

This Technical Opinion is issued in respect to the original technical evaluation and approval of renewal has been conducted in accordance with the TIPES Guide for Applicants and Terms and Conditions.

The original Certificate was based on the technical evaluation undertaken in March 2016 by ARRB Group Ltd. This renewed Certificate is issued in July 2019 by ARRB.

STATEMENT OF TIPES OPINION

The original opinion of the TIPES Product Evaluation Panel (PEP) is that Portaboom is an effective TCD, to be used at roadworks in lieu of 'STOP/SLOW' bats or portable traffic signals. This opinion remains at the time of the renewal application.

The continued assertion that Portaboom reduces the risk of such works for traffic controllers is recognised and has been and continues to be successfully demonstrated. It is advised that the device has now been utilised successfully at over 4,903 sites with multiple Portaboom's used on each job since July 2016 to June 2019, and has been well received by the industry.

IMPORTANT NOTE:

The original Technical Opinion and its renewal are issued in respect of Portaboom, the TCD submitted for product evaluation under TIPES by Traffic and Access Solutions Pty Ltd in August 2015. This Technical Opinion is expressly restricted to the device having the composition, features and characteristics when submitted for TIPES evaluation or as varied by the Applicant prior to the date of this Technical Opinion. This Technical Opinion is not applicable to, or valid in respect of, any subsequent significant modification, variation, enhancement or redevelopment of the Product and any representation that this Technical Opinion can be referred to any other product is expressly forbidden.

ASSESSMENT AND TECHNICAL INVESTIGATIONS

The technical assessment of Polyroad PR21L in light of which this certificate was issued is described in the report: TIPES Evaluation of Polyroad PR21L: Results of initial assessment, October 2015, ARRB Group Ltd.



SPECIAL CONDITIONS OF CERTIFICATION

1. This renewed Certificate is issued expressly subject to the following conditions:
 - a. that appropriate and detailed quality control records continue to be maintained with respect to the manufacture, site preparation and installation of Portaboom as detailed in the standard procedures provided by the proponent in its application for TIPES evaluation of that Product and that such records are promptly made available to ARRB as it reasonably requires.
2. The original and renewed Certificate are issued solely in respect of the Product identified by the Applicant as Portaboom, submitted for product evaluation under TIPES by the Applicant in August 2015.
3. This certificate recognises the requirement of operators to comply with all local regulations including traffic management plans and signage approaching the location and on the product. Accordingly this certificate is issued on the condition of compliance with all traffic management requirements within the jurisdiction of use.



Correct signage is mandatory, here the original Portaboom is displayed with octagonal and round stop signs. Operators must be aware of the local requirements, for example the octagonal signs may not be allowed in some jurisdictions and vice versa.

GENERAL CONDITIONS OF CERTIFICATION

1. This renewed Certificate:
 - a. relates only to the product/system that is named and described on page 1 and is expressly limited to the product having the composition, features and characteristics as submitted to ARRB for TIPES evaluation or as subsequently varied by the Applicant prior to the date of this certificate
 - is not applicable to, or valid in respect of, any subsequent modification, variation, enhancement or redevelopment of the product
 - any representation that this certificate is referable to any other product is expressly forbidden
 - b. is valid only within Australia
 - c. must be read and applied in its entirety
 - d. is copyright to ARRB and is the sole and exclusive property of ARRB
 - e. is licensed solely to the Applicant for the promotion or sale of the Product by the Applicant and use of it may not be sub-licensed by the Applicant who may not authorise its use to any other person or entity for any purpose whatsoever.
 - f. is governed by the laws of the State of Victoria, Australia and the jurisdiction of the courts of that State and courts of appeal therefrom.
2. References to publications, documents, specifications, legislation, regulations, standards and other documents in this Certificate are where relevant, references to the current versions or issues of those documents at the date of issue or reissue of the original Certificate, unless otherwise stated.
3. Unless otherwise cancelled or modified by ARRB, this renewed Certificate remains valid provided that the Product and its manufacture and/or fabrication, including all related documentation and relevant parts and processes thereof:
 - a. are maintained at or above the levels which have been assessed and found to be satisfactory by ARRB
 - b. are checked as and when ARRB considers appropriate under arrangements that it will determine
 - c. are reviewed by ARRB every 3 years or with such frequency as it considers appropriate
4. This renewed Certificate has been prepared by ARRB at the request of, and for the benefit of, the Applicant. Interested parties should obtain independent professional advice about use of the product for any specific application.

5. ARRB has no liability whatsoever for any loss or damage, whether direct or indirect, suffered by any person arising from the use of the product by that person in reliance upon the content of this renewed Certificate.
6. ARRB provides no warranty concerning:
 - a. the existence or ownership of any patent, intellectual property or similar rights subsisting in the product
 - b. the rights of the Applicant to manufacture, supply, install, maintain or market the product
 - c. any works and constructions in which the product is installed, including their nature, design, methods, performance, workmanship and maintenance
 - d. any loss or damage, including personal injury, howsoever arising in connection with the product, including its manufacture, supply, installation, use, maintenance and removal.
7. Any information relating to the manufacture, supply, installation, use, maintenance and removal of the product which is contained or referred to in this renewed Certificate is the minimum required to be met when the product is manufactured, supplied, installed, used, maintained and removed. Such information does not in any way restate the requirements of the Australian Work Health and Safety (WHS) Act 2010, nor is it descriptive of any legislated or common law obligation or duty in operation at the date of issue or reissue of this Certificate. Conformity with such information shall not amount to satisfying any statutory or common law duties or obligations.