

Project BUSHRANGER uses RCM II for Supportability Analysis of the BUSHMASTER IMV

OUTPUTS

- *Operator and Maintainer maintenance schedules*
- *Identification of mandatory vehicle redesigns*
- *Corrections to OEM drawings*
- *Inputs for User Handbook*
- *Inputs for Workshop Manual*
- *Training packages for Operators and Maintainers*
- *Comprehensive LORA*
- *Identification of Parts, Tools and Test Equipment*
- *Identification of task completion times*
- *Identification of safety and environmental issues relating to vehicle operation and maintenance*
- *Identification of parts holding requirements*



The Asset Partnership has successfully completed a contract with Australian Defence Industries to apply Reliability-centred Maintenance II (RCM II) to the Army's new Infantry Mobility Vehicle (IMV), BUSHMASTER. The RCM II is analysis is unique in providing a wide range of ILS deliverables without the need for a formal LSAR. The programme which was called the Bushranger Supportability Analysis (SA Programme), included:

- Performing the RCM II analysis on the vehicle through a series of ten, ten-day workshops, facilitated by The Asset Partnership RCM II practitioner at the ADI's site at Bendigo, utilising a team comprising Commonwealth, Contractor and OEM staff
- Developing the asset catalogue in the RCM Toolkit software, enabling each analysis to be tracked
- Completion of the operating context for each system and subsystem
- Using the RCM Toolkit's Maintenance Task Development Module to bundle maintenance tasks identified during the analysis phase appropriately, complete detailed task descriptions with skill, parts and tool requirements, and identify safety and environmental rules surrounding vehicle operations and maintenance activities.

The BUSHRANGER SA Programme has again demonstrated that the RCM II process provides an efficient structured approach to the development of ILS deliverables without the need for a costly, time-consuming, full-scale LSAR. The process can be successfully applied to a wide range of mobile land-based military assets.

Overseas, this project is mirrored by work being conducted on the Advanced Amphibious Assault Vehicle (US Marines) and the Rapier missile system with the Army in the United Kingdom.



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THE ASSET PARTNERSHIP is licensed by **ALADON** to offer a range of training courses, implementation support and software in Reliability-centred Maintenance throughout Australasia, including:

- 3 day introductory RCM courses for analysis team members
- 10 day RCM Facilitator training programmes
- Senior Management RCM overview programmes
- RCM Toolkit Database Software for Facilitators

RCM II is fully compliant with the new SAE RCM standard, JA 1011 and accompanying Guide, JA 1012

Course dates and registration facilities are available at www.assetpartnership.com.

