

VEHICLE INTERACTION CONTROL IMPROVEMENT WORK PACKAGE SUMMARY

WBS Reference:	5. New Vehicle Interaction Control Implementation (Phase 4)
Work Packages:	5.3 Selection 5.3.1 New VI Control Selection
Package Owner:	Project Manager
Owner Organisation:	Your company
Participants:	Project manager, project team, experienced operations personnel, site personnel
Capability required:	Oversight by project manager, project team and senior operations personnel

Description:

From the summary of new Vehicle Interaction Control opportunities (WBS 5.1 Relevant Options), assess the cost and benefit of each option based on:

- The failure mode(s) being addressed
- Practicality and impact, has the approach been applied elsewhere?
- Time to effectively implement
- Ease of implementation e.g. workforce acceptance
- Impact on other MEI Controls
- Integration with Mine of the Future strategy

Review and update site user requirements for Vehicle Interaction Controls.

- Update and confirm site functional and performance requirements for new technology controls the update should reference the current Site Vehicle Interaction Control Framework.
- Confirm relevant company Vehicle Interaction requirements for new technology controls (EMESRT Level 8 and 9) based on operation type: e.g. underground coal mining, underground hard rock mining, open cut mining, refinery etc.
- Compare site and Company VI requirements, identify any difference e.g. additional site-specific requirements and/or restrictions e.g. requirement for machine swing interlocks and orebody precludes use of magnetic field PDS
- Prepare a site functional and performance specification and review it against technology performance summaries of preferred PDS suppliers
- Select the best fit from preferred PDS technology suppliers and request that they complete a summary of their product performance against site functional and performance requirements
- Ensure that they meet minimum set requirements based on ACARP PDS validation framework (draft ISO standard)

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- Confirm site infrastructure requirements for each new technology option
- Summarise capability, installation and maintenance costs, upgrade potential, data management and fit with future mine digitisation plans and other relevant information for each option.

Completion State:

A summary of potential new Phase 4 vehicle interaction controls.

References:

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