

VEHICLE INTERACTION CONTROL IMPROVEMENT WORK PACKAGE SUMMARY

WBS Reference:	2. Vehicle Interaction (VI) Control Baseline 2.1. External Expectations
Work Package:	2.1.1 General Legislative Requirements
Package Owner:	Project manager
Owner Organisation:	Your company
Participants:	Project manager, project team, site and divisional HSE personnel, selected operations personnel
Capability required:	Knowledge of and experience with reviewing legislative requirements (general and specific).
<p>Description:</p> <p>A thorough review of General Legislative Requirements should include all relevant vehicle interaction control information sourced from acts, regulations, codes of practice and guidelines relevant to the operating jurisdiction. Capture general and specific requirements in a table that can be used to build the site Version 1 VI Control Framework (CFw).</p>	
<p>Completion State:</p> <p>A table of requirements based on systematic review and mapping of general and specific vehicle interaction legislation, company standards and sector resources.</p> <p>The information in the table of requirements is signed off by project team and operations personnel and information incorporated into the Control Framework Version 1.</p> <p>Specific information is included or referenced in the Control Framework build template at the business input level, usually in the specification cell.</p>	
<p>Case study:</p>	
<p>References:</p> <ul style="list-style-type: none"> • Site and Company management system information • PMBOK Version 6, 2017 Project Management Institute - Expert Judgement Legislation and Regulations (page 94) Risk Management Plan (page 405) 	

Title: 2.1.1 General Legislative Requirements	Effective date: 07 Oct. 20	Version: 1.0	Page 1 of 2
Published: 7/10/2020	Review period:	Status: Draft	

Regulator:		
MSHA	Proximity Detection/Collision Warning	https://arlweb.msha.gov/Accident_Prevention/NewTechnologies/ProximityDetection/ProximitydetectionSingleSource.asp
MSHA - Safety Improvement Technologies for Mobile Equipment	deaths associated with mobile equipment materials and indication of hazardous locations.	https://www.federalregister.gov/documents/2018/06/26/2018-13603/safety-improvement-technologies-for-mobile-equipment-at-surface-mines-and-for-belt-conveyors-at
South Africa	<p>1. Extract of the amendments to Chapter 8 of the MSHA. This was gazette (promulgated) on 27 Feb 2016. At that time no dates were set for sub regulations 8.10.1.2 (b) and 8.10.2.1 (b) (requirement that UG diesel and Surface trackless mobile machines are stopped by the PDS, or PDS Level 9 compliant) to become enforceable by the regulator.</p> <p>TMM regulations advisory report done by MRAC that recommended effective dates for the abovementioned sub regulations. The report recommended that the regulations came into effect on 30 June 2019. FYI, MRAC is the Mining Regulation Advisory Committee who is a voluntary tripartite committee who must advise the Mine Health and Safety Council on:</p> <p style="padding-left: 40px;">a) Proposed changes to legislation to improve health or safety at mines in South Africa.</p> <p>Proposals for changes to legislation made by any other committee of the Mine Health and Safety Council.</p> <p>Facilitate the processes to establish and review guideline documents for Codes of Practice.</p> <p>The dates recommended in the report was approved towards the end of 2016 and have since been in force. Due to serious concerns about the maturity of technology, especially regarding the vehicle intervention systems that are supposed to relay the PDS signal and stop/slow down the equipment, MRAC proposed new dates to the MHSC early 2018. These dates are:</p> <p><i>New Diesel Equipment – July 2019</i> (this relates to the selling of new equipment into the South African market, requiring that equipment should be ‘PDS ready’ by this date)</p> <p><i>Underground Diesel – end 2020</i></p> <p><i>Opencast and Open Pits – end 2020</i></p> <p><i>Surface (Where there is significant risk) – end 2020</i></p>	
NSW Government Australia	MDG 2007 - Guideline for the selection and implementation of collision management systems for mining	https://www.resourcesregulator.nsw.gov.au/_data/assets/pdf_file/0004/507316/MDG-2007-Guideline-for-the-selection-and-implementation-of-collision-management-systems-for-mining-2014.pdf
Department of Natural Resources, Mines and Energy Queensland, Australia	Guidance Note QGN 27 Collision prevention	https://www.dnrme.qld.gov.au/_data/assets/pdf_file/0007/1346821/qld-guidance-note-27.pdf