

4.9 Safe Communication

4.9.1 Site Compatible Two-Way Radios

All road going vehicles and mobile equipment will be fitted with a site compatible two-way radio, permanently mounted in the operator cabin as stated in Road Going Vehicle Standard (MAC-STE-STD-001).

Operators are permitted to use a 2 way mine radio when moving as long as that does not impact their ability to safely drive or operate. If the latter occurs operators must safely park their vehicle or equipment, in order to carry out the 2 way radio communication.

2 way radio communications must be in accordance with our code of conduct training.

4.9.2 Positive Communication

The intention of positive communication is to provide a process of effective communication and implementation of operational controls associated with the movement and interaction of mobile equipment when no other controls are present. Positive communication is required by all mobile equipment operators including road going vehicles and emergency responding vehicles when:

- (i) Overtaking ancillary equipment
- (ii) Overtaking of stationary equipment including RGV's
- (iii) Entering signposted work areas
- (iv) Entering and exiting restricted areas
- (v) Entering within 50m with interactions between equipment and RGVs at all times
- (vi) Entering within 50m of equipment outside the active loading, dumping and ROM work areas
- (vii) Mobile equipment entering within 20m of mobile equipment or the swing radius of equipment within active loading, dumping and ROM work areas
- (viii) Equipment entering within 20m of queuing equipment unless signposted otherwise
- (ix) Entering within 10m of a stationary dozer spotting to the outside of a truck

An active loading, dumping or ROM work area is defined as within 50m from the loading unit and the work/dump face.

Positive communication occurs when a caller makes a request for an interaction by firstly calling the equipment type and equipment number of the equipment required to grant permission for the interaction followed by their equipment type and number. The caller must also state their intentions of the interaction. The receiver responds to that request using the caller's equipment type and number and then their equipment type and number followed by an approval to enter (or not approved to enter) and any other requirements for the interaction to be safely completed.



CALLER:
*"Excavator 209 can LV 4170 enter your work area to
 "state your intentions for entry"?"*

RECEIVER:
*"LV 4170 you are right to enter Excavator 209's
 work area."*

Figure 4: Example of Correct Positive Communication

4.9.3 Positive Communication Exemptions

Exemptions to conduct positive communication when entering prescribed equipment boundaries is permitted under the following circumstances:

- (i) Trucks spotting to be loaded
- (ii) Loading units loading a truck
- (iii) Overtaking a working grader with GET engaged (overtaking indicator not fitted)
- (iv) Overtaking a working grader with GET engaged with overtaking indicator illuminated
- (v) Consecutive entries into the swing radius of an excavator or shovel by a clean-up machine, after positive communication is made to enter the swing radius the first time in a clean-up cycle
- (vi) Entry of a clean-up machine behind a truck once it has commenced being loaded
- (vii) Passing and parking around unmanned equipment after it has been verified unmanned (requires positive communication if visual verification not possible)
- (viii) Passing broken down or active equipment areas which have been demarcated
- (ix) Passing equipment in safe park-up areas which have traffic flow management in place e.g. crib hut park-up bays.
- (x) Responding vehicles in an emergency past other parked vehicles and heavy mobile equipment while the site emergency siren is activated, and the parked vehicle / equipment hazard lights are on or GET / jacks lowered as applicable.

In safe park-up areas which have traffic flow management in place (e.g. One way heavy vehicle only traffic flow) positive communication is not required when passing Safely Parked equipment. All equipment moving from a Safely Parked position in these areas must give way to all traffic on the designated road before moving. For adjacent equipment moving simultaneously from a Safely Parked position equipment to the left has right of way to move first.

Application of the positive communication requirements and exemptions are further stated in Design, Construction and Maintenance of Dump Areas (MAC-PRD-STD-003), Excavators Procedure (MAC-PRD-PRO-065) and Working on or Around Shovels (MAC-PRD-PRO-089).

 Document Reference - MAC-STE-MTP-027