

# Mandatory Intelligent Access Program Monitoring for Special Purpose Vehicles

The Department of Transport and Main Roads (TMR) is making changes to the Intelligent Access Program (IAP) in relation to Special Purpose Vehicles (SPV).

These changes will deliver network safety, productivity and access benefits to communities, industries and governments. Administration cost savings and red-tape reductions will also be realised.

**From 1 December 2016, TMR will implement mandatory IAP enrolment for Class 1, 2 and 3 SPVs.**

**These class categories may include vehicles such as heavy mobile cranes, concrete pumps and drilling rigs\*.**

**A six month transition period for IAP enrolment will end on 1 June 2017.**

**After this time, mandatory IAP monitoring will apply to the following SPVs operating within Queensland:**

**Class 1** - SPVs which comply with TMR's Vehicle Limits Manual (VLM) Single Trip permit requirements, that is, a vehicle with a total mass between 40t and 70t and complying with a Gross Mass Limit (GML) formula of  $3L+15+/- G$  for all combinations of axle groups. (See over page for GML formula calculations).

**Class 2** - SPVs not complying with  $3L+15+/- G$  that have been assessed and approved by TMR's Bridge Construction, Maintenance and Asset Management (BCMAM) unit for operation under 48t SPV restrictions.

These restrictions are based on the structural loading effects of a "standard" 4 axle all terrain crane operating at 12 tonnes per axle.

**Class 3** - SPVs not complying with  $3L+15+/- G$  that have been assessed by TMR's BCMAM unit and determined to not be suitable for operation under 48t SPV restrictions.

## ***Class 1 and 2 SPV Operation under IAP***

Currently permits for Class 1 and 2 SPVs are issued for a duration of six months to operate within a 300km radius from a business location.

For Class 1 and 2 SPVs under mandatory IAP monitoring, from 1 December 2016:

- period permit duration will be extended to three years
- permitted area of operation remains at 300km from the registered business location.

## ***Class 3 SPV Operations under IAP***

Currently permits for SPVs in this category are issued for a 28 day period and with one approved route.

With mandatory IAP monitoring, from 1 December 2016, SPVs within this class will operate:

- initially under a 35 day permit with one approved route.

A six month review period on Class 3 SPV permit arrangements will be conducted to determine any operational risks that might then preclude them from operating on potentially extended permits on a set of approved routes.

Should you require further information on IAP monitoring, see the Intelligent Access Program (IAP) Factsheet.

**Note:** Permits issued for Class 1 and 2 SPVs include conditions for specified structures that that can only be crossed if the appropriate Single Trip permit is obtained. Operators will need to apply for Single Trip permits in these instances.

***\* If you are unsure which category applies to your SPV, please contact the department on (07) 3066 5506.***

## Gross Mass Limit Calculation

The sum of the mass on each single axle and axle group in the distance "L" described below (including those from which the distance is measured) must not exceed the number of tonnes represented by the figure "M", and calculated as follows:

$M = 3L + 15$ , plus 1 tonne for each 100mm by which the ground contact width in the distance exceeds 2.5m, or minus 1 tonne for each 100mm by which that ground contact width is less than 2.4m.

L is the distance in metres between:

- the centre lines of any two single axles; or
- the centre line of any single axle and the centre line of the furthest axle in any axle group; or
- any 2 axle groups, measured from the centre lines of the axles furthest apart from each other.

“ground contact width”:

- in relation to an axle, means the distance between the outermost point of ground contact of the outside tyres on each end of the axle; and
- in relation to an axle group, means the greatest ground contact width of all the axles in the group.

The width for the purposes of gross mass calculation shall be the ground contact width across axles of the heaviest axle group.

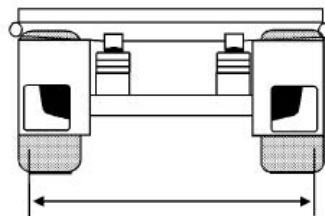


Illustration of ground contact width of an axle

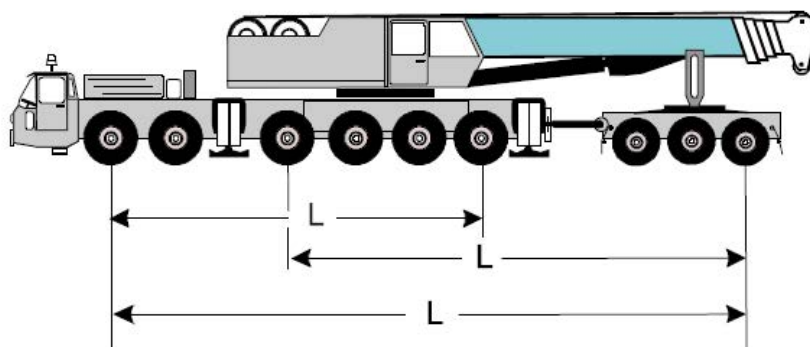


Illustration of "L" distances