

Telematics for cranes

Transport for NSW (Transport) is working with the Crane Industry Council of Australia (CICA), Transport Certification Australia (TCA) and the National Heavy Vehicle Regulator (NHVR) to improve telematics enrolment options for mobile crane operators in NSW.

From August 2024, operators of high risk mobile cranes, including articulated steering cranes, will be able to enrol in their preferred telematics application: Telematics Monitoring Application (TMA) or Intelligent Access Program (IAP). Crane operators already enrolled in IAP may choose to stay in IAP or transition to TMA.

The introduction of TMA, with a requirement of self-declaration for cranes that intend to change configuration, is expected to deliver operational efficiencies, reduce costs of regulatory compliance and encourage productivity while improving visibility of network utilisation by mobile cranes for road managers.

Crane operators interested in enrolling in TMA should discuss their requirements with their [TCA-certified application service provider](#), with due consideration given to the current and future needs of their fleet.

For more information, please contact freight@transport.nsw.gov.au

Frequently Asked Questions:

Why are changes to telematics options in NSW needed?

Transport is working to improve telematics enrolment options in NSW in response to calls for more flexibility by CICA members and other mobile crane operators. The move is also a key step to harmonise telematics options between jurisdictions.

What types of cranes does this change effect?

This change is applicable to high risk mobile cranes currently monitored under IAP, including articulated steering cranes.

Can I still use IAP for telematics?

Yes. The change allows crane operators the choice of enrolling in either IAP or TMA.

Is my existing IAP enabled device/user interface compatible with TMA?

Yes, however your service provider will need to be notified, so they can enrol you in the relevant TMA scheme. Crane operators interested in enrolling in TMA are advised to discuss their requirements with their [TCA-certified application service provider](#), keeping in mind your device/user interface may need to accept self-declaration.

I want to enrol in TMA and my crane does not change configuration, does it need self-declaration?

No. You only need to enrol in the TMA scheme for your vehicle type.

I want to enrol in TMA and my crane will be changing configuration, will it need self-declaration?

Yes. If you intend to change configuration you will need self-declaration. You should discuss your requirements with your [TCA-certified application service provider](#), keeping in mind your device/user interface must accept self-declaration.

How do I know if my existing device accepts TMA self-declarations?

You will need to speak to your [TCA-approved TMA service provider](#) about whether your current device/user interface accepts self-declaration.

Which notices and permits have been updated to include TMA?

In preparation for the changes to telematics options for crane operators in NSW, the following Notices have been updated to include the option for Telematics Monitoring Application (TMA) or Intelligent Access Program (IAP) and have been published on the NHVR website:

- [New South Wales Class 1 Special Purpose Vehicle and Combination Exemption Notice 2024](#)
- [New South Wales Class 1 4-Axle & 5-Axle All Terrain Mobile Crane Mass and Dimension Exemption Notice 2019 \(No.1\)](#)
- [New South Wales Class 1 All Terrain Mobile Crane and Dolly Combination Mass and Dimension Exemption Notice 2019 \(No.1\)](#) (due for renewal July 2024)
- [National Class 1 Special Purpose Vehicle \(up to 40t total mass\) Mass and Dimension Exemption Notice 2021](#)

The Operators Guides associated with the Notices specify the requirement of TMA with self-declaration for cranes that intend to change configuration. The change to telematics options will be reflected in access under permit and align to information in notices.

Why will self-declaration be required with TMA?

By self-declaring the crane configuration in operation, it provides data and assurance that the crane in operation is operating on the correct SPV network level.

How is telematics data used?

Telematics aid decision-making around access provision, asset planning and infrastructure management.

Increased uptake of telematics gives greater certainty to industry on access and assurance to road managers on the safe, productive and sustainable use of infrastructure.

Data collected will be shared with the regulator for compliance purposes. De-identified data will be shared with road managers, including Transport as the road manager and road authority for the NSW State Road network, and other relevant bodies for research and planning purposes.

Will personal data be collected through TMA enrolment with self-declaration?

No. Only vehicle data will be collected. This data will improve visibility of network utilisation, provide assurance for asset managers and support expanded network access.

Will Transport support Smart OBM for cranes?

Smart On-Board Mass (Smart OBM) will become a requirement when a system is developed that effectively works with the hydro-pneumatic suspension on cranes. Transport will work with the crane industry and other stakeholders before the requirement to operate with Smart OBM on mobile cranes comes into effect, to ensure Smart OBM is fit for purpose for cranes. Transport continues to work in collaboration with CICA.