

The NHVR continues to deliver on its commitment to improve and simplify the way the heavy vehicle industry accesses information through the NHVR Portal.

A key Portal initiative is the National Network Map which provides the single authoritative location for the heavy vehicle industry to map journeys across state and territory borders.



What is the National Network Map?

- The National Network Map (NNM) supports improved heavy vehicle access efficiency and decision-making by bringing together mainland state and territory based heavy vehicle access networks and displaying them in one location.
- The NNM enables operators to map their journey and view where they can travel (including conditions and restrictions) and where they need to seek access approval, on a national level.
- The NNM also includes Network Management Tools that allow road managers to update their networks in real-time.

How to access the National Network Map

The NNM will be available at

- maps.nhvr.gov.au
- NHVR Portal (Next Generation Route Planner).

How you can find a network included on the National Network Map

It is possible to search in several different ways to find networks.

- Search by vehicle category provides a vehicle centred approach to find networks and targets new users who are not familiar with access instruments. Vehicles are grouped according to configuration and sub-configuration.
- Group by access instrument provides a list of the national and state notices, pre-approval networks and permit schemes, and targets more experienced users who know which instrument they run under.
- Search by state or territory network provides a network-based breakdown mirroring the current network structure on state and territory websites, and targets users familiar with the existing structures to reduce the change impacts moving to the NNM.

Search for your networks based on specific vehicles

- Selecting from vehicle types and seeing the networks they can access, provides better visibility, and improved fleet management decision making.
- There are over 1,000 different vehicle configurations included in the NNM, each associated with its applicable maps.

Innovative features to manage your fleet

- Favourites: Easily mark a network map as a favourite using the well understood 'star' button which adds the network to your favourites list. You can save up to 200 favourites.
- Saved views: When viewing a network map, you may turn on layers (e.g., height restrictions) or toggle satellite mode, and zoom into a particular location of interest. This feature allows you to save all these selections and name the view as you add it to your views list. You can save up to 200 views.
- Share: You can copy a webpage URL to your clipboard and then you can share with anyone over email or SMS. When clicking on the URL the map will open with all your selections reloaded and the map will zoom into the exact location at the time of generating the URL. This means you can easily share maps with all selections to anyone at any time.
- Recently viewed networks: For every network map you view a history of which map you viewed and when it was last maintained will be under Recently Viewed Networks. This will

All your information in the one place

- Australian Capital Territory, New South Wales, Queensland, South Australia, and Victoria provide additional information panels and map layers (e.g., rest areas, height restrictions, road disruptions) which can be turned on over network maps, to easily identify these points of interest.
- The NNM includes additional information panels and map layers in one place.
- The NNM also includes direct links to the relevant operator guide / information sheet and legal instrument, making it easier for operators to get all the information they need to use a network.

Experience real time updates to the road network

- Road managers can make immediate updates to networks on the NNM using the Road Manager Network Management tools.
- This means a richer set of up-to-date information is displayed on the NNM to help plan safer journeys.
- Any updates that expand network access can be published immediately.
- Any updates that condition, restrict, or remove access (except in cases of emergency) are required to go through 28-day consultation, providing forward visibility of such changes to enable operators to better plan for network changes.

The traffic light colour scheme

- The NNM has been built to be intuitive for the user – with visual cues including a traffic light colour scheme on roads to denote access:
 - Green = approved vehicle access under the conditions of the access instrument
 - Yellow = conditional vehicle access where additional road or travel conditions must be met to access the road. Operators can click one or more roads and view the conditions.
 - Red = restricted roads where the vehicle is specifically restricted from access. Operators can click one or more roads and view the reasons for the restriction.
- Australian Capital Territory and Victoria maps will use yellow and red colours on all conditional or restricted roads. However, New South Wales, Queensland and South Australia maps also use shaded areas and points that note conditions/restrictions that apply to all roads within that area or in the vicinity of a point.
- The consistency in colour scheme will be improved over time using the Road Manager Network Management tools.

The Next Generation Route Planner

- All the maps in the NNM are also displayed on the NHVR Portal Next Generation Route Planner (NGRP), meaning that where a permit is still required, the operator can choose the best route based upon existing networks, to minimise permitted kilometres.
- All the maps displayed on the NHVR Portal NGRP will be sourced live from the NNM.
- Having the maps in the NHVR Portal NGRP means operators can leverage routing features with up-to-date maps that can be relied upon when planning a permit application.

What's next?

- The NHVR will work on digitalising all maps associated with pre-approvals and continue to work with local government road managers to develop faster approvals for these pre-approval maps.

What is the difference between the National Network Map and the National Automated Access System?

- A National Automated Access System (NAAS) based on Heavy Vehicle Access Management System (HVAMS) is being rolled out across several jurisdictions. The NAAS is intended to provide a solution to replace 90 per cent of current access permit requests, while recognising access permits will still be needed for a minority of journeys.
- The NHVR Portal will serve as the central point to the NAAS, and continue to serve as the entry and exit point for heavy vehicle access permit applications.
- Other features from the NHVR Portal (such as Vehicle Approval details for the PBS scheme) will also be integrated into the NAAS to enhance the user experience in the future.

What to do if you can't find your map

- If you cannot find your map, get in touch with the NHVR contact centre at info@nhvr.gov.au. There is also an email function built into the map itself.

Jurisdiction	Map notes
Australian Capital Territory	All the maps on the ACT website are included.
New South Wales	All the maps on the Transport for NSW website are included.
Northern Territory	Not a participant in the HVNL.
Queensland	Queensland will migrate only Gazetted maps to the National Network Map. Maps that will be included: 23m Route; 25/26m Route; RT1 Route; RT2 Route; HML Route; NORTBD Route; 1TMT. Maps that will be excluded*: Cat 1 and 2 SPV; 3-Axle Steering Cranes; 2-Axle SPV; PBS 2B Route; TMR Mass Conditions Report. These maps will remain on the Queensland Globe.
South Australia	All the maps on the SA RAVnet are included.
Tasmania	Tasmanian networks are not included at this stage.
Victoria	All the maps on the VicRoads website are included. VicRoads will maintain 3 maps which are also used for non HVNL purposes: curfew, height clearance, OD network
Western Australia	Not a participant in the HVNL. As part of implementing the NHVR Portal, WA will migrate their maps into the NNM in late 2024.

*In Queensland, all PBS Level 2B combinations are required to be assessed to allow route access. Accordingly, TMR will not include the PBS Level 2B network on the NHVR National Network Map. The PBS Level 2B network in the Queensland Globe should only be used to guide permit applications and route planning.

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