# Scheme and Authority Codes for RIM and TMA Applications

**For Service Providers**

Version 1.23 – December 2024

The following scheme tables contain lists of approved schemes associated with the Road Infrastructure Management (RIM) application and Telematics Monitoring Application (TMA).

Refer to these tables when entering values into data elements for Scheme or Authority Code – for example, in an enrolment report or enrolment form.

**Table 1: Schemes Associated with the RIM Application**

| App. | Scheme Group | Scheme Name | Scheme Data Element Value | Authority Name | Authority Code Data Element Value | Data Records Position |
|------|--------------|-------------|---------------------------|----------------|-----------------------------------|----------------------|
| RIM | N/A | RIM Safety, Productivity & Environment Construction Transport Scheme (SPECTS) (NSW) | SPECTS | Transport for NSW | NSW | ✓ |
| RIM | N/A | RIM Port Botany Container Movement Efficiency Scheme (NSW) | PBCME | Transport for NSW | NSW | ✓ |
| RIM | N/A | RIM Oversize Overmass Vehicle Movement Scheme (NSW) | RIMOSOM | Transport for NSW | NSW | ✓ |
| RIM | RIM Farm Gate Access (NSW) | RIM Semi-Trailer Farm Gate Access Scheme (NSW) | RIMSTFGA | Transport for NSW | NSW | ✓ |
| RIM | | RIM B-Double Farm Gate Access Scheme (NSW) | RIMBDFGA | Transport for NSW | NSW | ✓ |
| RIM | | RIM Road Train Farm Gate Access Scheme (NSW) | RIMRTFGA | Transport for NSW | NSW | ✓ |
| RIM | RIM PBS Vehicle Monitoring (NSW) | RIM PBS Level 1 Vehicle Monitoring Scheme (NSW) | RIMPBSL1 | Transport for NSW | NSW | ✓ |
| RIM | | RIM PBS Level 2A Vehicle Monitoring Scheme (NSW) | RIMPBSL2A | Transport for NSW | NSW | ✓ |
| RIM | | RIM PBS Level 2B Vehicle Monitoring Scheme (NSW) | RIMPBSL2B | Transport for NSW | NSW | ✓ |
| RIM | | RIM PBS Level 3A Vehicle Monitoring Scheme (NSW) | RIMPBSL3A | Transport for NSW | NSW | ✓ |

| App. | Scheme Group | Scheme Name | Scheme Data Element Value | Authority Name | Authority Code Data Element Value | Data Records |
|------|--------------|-------------|---------------------------|----------------|-----------------------------------|--------------|
| | | | | | | Position |
| RIM | | RIM PBS Level 3B Vehicle Monitoring Scheme (NSW) | RIMPBSL3B | Transport for NSW | NSW | ✓ |
| RIM | | RIM PBS Level 4A Vehicle Monitoring Scheme (NSW) | RIMPBSL4A | Transport for NSW | NSW | ✓ |
| RIM | | RIM PBS Level 4B Vehicle Monitoring Scheme (NSW) | RIMPBSL4B | Transport for NSW | NSW | ✓ |
| RIM | N/A | RIM Class 3 Truck and Dog Trailer Monitoring Scheme (NSW) | RIMC3TDTNSW | Transport for NSW | NSW | ✓ |
| RIM | N/A | RIM HPLV Monitoring Scheme (VIC) | RIMHPLVVIC | Department of Transport and Planning | VIC | ✓ |
| RIM | RIM Industry-Led Data-Sharing (AUS) | RIM Industry-Led Data-Sharing Scheme – Dangerous Goods (AUS) | RIMILDSDNG | Industry-Led Data-Sharing Consultative Body (AUS) | VAU | ✓ |
| RIM | | RIM Industry-Led Data-Sharing Scheme – Construction (AUS) | RIMILDSCON | Industry-Led Data-Sharing Consultative Body (AUS) | VAU | ✓ |
| RIM | N/A | RIM Express Scheme | RIMEXP | Any Authority in Table 4 | See Table 4 | ✓ |

**Table 2: Schemes Associated with the TMA Application**

| App. | Scheme Group | Scheme Name | Scheme Data Element Value | Authority Name | Authority Code Data Element Value | Position | Mass* | SD** |
|---|---|---|---|---|---|---|---|---|
| TMA | N/A | TMA SPV Monitoring Scheme (TAS) | TMASPVTAS | Department of State Growth | TAS | ✓ | | |
| TMA | N/A | TMA PBS Vehicle Monitoring Scheme (TAS) | TMAPBSTAS | Department of State Growth | TAS | ✓ | | ✓[1] |
| TMA | N/A | TMA PBS Vehicle Monitoring Scheme (WA) | TMAPBSWA | Main Roads Western Australia | WA | ✓ | | |
| TMA | N/A | TMA Tow Truck Monitoring Scheme (WA) | TMATOWWA | Main Roads Western Australia | WA | ✓ | | ✓[2] |
| TMA | TMA Containerised Freight Vehicle Monitoring | TMA Containerised Freight Vehicle with Smart OBM Monitoring Scheme (WA) | TMACFMASSWA | Main Roads Western Australia | WA | ✓ | ✓ | |
| TMA | | TMA Containerised Freight Vehicle without Smart OBM Monitoring Scheme (WA) | TMACFNOMASSWA | Main Roads Western Australia | WA | ✓ | | |
| TMA | TMA Hill Descent Monitoring | TMA Hill Descent Monitoring – Roelands Hill Scheme (WA) | HDMROE | Main Roads Western Australia | WA | ✓ | | |
| TMA | | TMA Hill Descent Monitoring – Lesmurdie Hill Scheme (WA) | HDMLES | Main Roads Western Australia | WA | ✓ | | |
| TMA | | TMA Hill Descent Monitoring – Greenmount Hill Scheme (WA) | HDMGRN | Main Roads Western Australia | WA | ✓ | | |
| TMA | | TMA Hill Descent Monitoring – Mount Ousley Scheme (NSW) | HDMOUS | Transport for NSW | NSW | ✓ | ✓[3] | |

| App. | Scheme Group | Scheme Name | Scheme Data Element Value | Authority Name | Authority Code Data Element Value | Data Records | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | Position | Mass* | SD** |
| TMA | | TMA Hill Descent Monitoring – Beacon Hill Scheme (NSW) | HDMBEA | Transport for NSW | NSW | ✓ | ✓ | |
| TMA | TMA Higher Mass Limits | TMA Higher Mass Limits Scheme (NSW) | HMLNSW | Transport for NSW | NSW | ✓ | | ✓[4] |
| TMA | | TMA Higher Mass Limits Scheme (QLD) | HMLQLD | Department of Transport and Main Roads | QLD | ✓ | | ✓[5] |
| TMA | N/A | TMA Livestock Loading Scheme (NSW) | TMALS | Transport for NSW | NSW | ✓ | | |
| TMA | TMA PBS Vehicle Monitoring (NSW) | TMA PBS Level 1 Vehicle Monitoring Scheme (NSW) | TMAPBSL1 | Transport for NSW | NSW | ✓ | | |
| TMA | | TMA PBS Level 2A Vehicle Monitoring Scheme (NSW) | TMAPBSL2A | Transport for NSW | NSW | ✓ | | |
| TMA | | TMA PBS Level 2B ≤ 30m Vehicle Monitoring Scheme (NSW) | TMAPBSL2B | Transport for NSW | NSW | ✓ | | |
| TMA | | TMA PBS Level 2B > 30m Vehicle Monitoring Scheme (NSW) | TMAPBSL2B_GT30M | Transport for NSW | NSW | ✓ | | |
| TMA | | TMA PBS Level 3A Vehicle Monitoring Scheme (NSW) | TMAPBSL3A | Transport for NSW | NSW | ✓ | | |
| TMA | | TMA PBS Level 3B Vehicle Monitoring Scheme (NSW) | TMAPBSL3B | Transport for NSW | NSW | ✓ | | |
| TMA | | TMA PBS Level 4A Vehicle Monitoring Scheme (NSW) | TMAPBSL4A | Transport for NSW | NSW | ✓ | | |

| App. | Scheme Group | Scheme Name | Scheme Data Element Value | Authority Name | Authority Code Data Element Value | Data Records | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | Position | Mass* | SD** |
| TMA | | TMA PBS Level 4B Vehicle Monitoring Scheme (NSW) | TMAPBSL4B | Transport for NSW | NSW | ✓ | | |
| TMA | N/A | TMA PBS Vehicle Mass Monitoring Scheme (NSW) | PBSMASSNSW | Transport for NSW | NSW | ✓ | ✓ | |
| TMA | TMA SPV Monitoring (NSW) | TMA SPV Monitoring Scheme – Level 1 SPVs (NSW) | TMASPVNSWL1 | Transport for NSW | NSW | ✓ | | 6 |
| TMA | | TMA SPV Monitoring Scheme – Level 2 SPVs (NSW) | TMASPVNSWL2 | Transport for NSW | NSW | ✓ | | 6 |
| TMA | | TMA SPV Monitoring Scheme – Level 3 SPVs (NSW) | TMASPVNSWL3 | Transport for NSW | NSW | ✓ | | 6 |
| TMA | | TMA SPV Monitoring Scheme – Level 4 SPVs (NSW) | TMASPVNSWL4 | Transport for NSW | NSW | ✓ | | 6 |
| TMA | | TMA SPV Monitoring Scheme – Level 4/12t per Axle SPVs (NSW) | TMASPVNSWL4_12T | Transport for NSW | NSW | ✓ | | 6 |
| TMA | | TMA SPV Monitoring Scheme – Level 5 SPVs (NSW) | TMASPVNSWL5 | Transport for NSW | NSW | ✓ | | 6 |
| TMA | | TMA SPV Monitoring Scheme – Level 6 SPVs (NSW) | TMASPVNSWL6 | Transport for NSW | NSW | ✓ | | 6 |
| TMA | N/A | TMA Class 3 Truck and Dog Trailer Monitoring Scheme (NSW) | TMAC3TDTNSW | Transport for NSW | NSW | ✓ | ✓[7] | |
| TMA | N/A | TMA PBS Vehicle Monitoring Scheme (QLD) | TMAPBSQLD | Department of Transport and Main Roads | QLD | ✓ | | |

| App. | Scheme Group | Scheme Name | Scheme Data Element Value | Authority Name | Authority Code Data Element Value | Data Records | | |
|------|--------------|-------------|---------------------------|----------------|-----------------------------------|--------------|--|--|
| | | | | | | Position | Mass* | SD** |
| TMA | N/A | TMA PBS Vehicle Mass Monitoring Scheme (QLD) | PBSMASSQLD | Department of Transport and Main Roads | QLD | ✓ | ✓ | |
| TMA | N/A | TMA Class 3 Truck and Dog Trailer Monitoring Scheme (QLD) | C3TDT | Department of Transport and Main Roads | QLD | ✓ | ✓[8] | |
| TMA | N/A | TMA ZEHV Monitoring Scheme (QLD) | TMAZEHVQLD | Department of Transport and Main Roads | QLD | ✓ | ✓ | |
| TMA | TMA HPFV Monitoring (VIC) | TMA High Productivity Freight Vehicle Monitoring Scheme (VIC) | TMAHPFV | Department of Transport and Planning | VIC | ✓ | ✓[9] | |
| TMA | | TMA High Productivity Freight Vehicle Monitoring Scheme (No Mass Monitoring) (VIC) | TMAHPFVNOMASS | Department of Transport and Planning | VIC | ✓ | | |
| TMA | TMA SPV Monitoring (VIC) | TMA SPV Monitoring Scheme – Up to 40-Tonne SPVs (VIC) | TMASPV40T | Department of Transport and Planning | VIC | ✓ | | |
| TMA | | TMA SPV Monitoring Scheme – 4-Axle SPVs Up to 48 Tonnes (VIC) | TMASPV48T | Department of Transport and Planning | VIC | ✓ | | |
| TMA | | TMA SPV Monitoring Scheme – 5-Axle SPVs Up to 60 Tonnes (VIC) | TMASPV60T | Department of Transport and Planning | VIC | ✓ | | |

| App. | Scheme Group | Scheme Name | Scheme Data Element Value | Authority Name | Authority Code Data Element Value | Data Records | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | Position | Mass* | SD** |
| TMA | | TMA SPV Monitoring Scheme – 6-Axle SPVs Up to 72 Tonnes (VIC) | TMASPV72T | Department of Transport and Planning | VIC | ✓ | | |
| TMA | | TMA SPV Monitoring Scheme – 7-Axle SPVs Up to 84 Tonnes (VIC) | TMASPV84T | Department of Transport and Planning | VIC | ✓ | | |
| TMA | | TMA SPV Monitoring Scheme – 8-Axle SPVs Up to 96 Tonnes (VIC) | TMASPV96T | Department of Transport and Planning | VIC | ✓ | | |
| TMA | | TMA SPV Monitoring Scheme – 9-Axle SPVs Up to 108 Tonnes (VIC) | TMASPV108T | Department of Transport and Planning | VIC | ✓ | | |
| TMA | | TMA SPV Monitoring Scheme – Rough Terrain Mobile Cranes (VIC) | TMASPVRTMC | Department of Transport and Planning | VIC | ✓ | | |
| TMA | N/A | TMA Road Train Monitoring Scheme (VIC) | TMAVICRT | Department of Transport and Planning | VIC | ✓ | | |
| TMA | N/A | TMA Class 3 LZEHV Monitoring Scheme (VIC) | TMALZEVIC | Department of Transport and Planning | VIC | ✓ | ✓ | |
| TMA | N/A | TMA HPLV Monitoring Scheme (VIC) | TMAHPLVVIC | Department of Transport and Planning | VIC | ✓ | | |

| App. | Scheme Group | Scheme Name | Scheme Data Element Value | Authority Name | Authority Code Data Element Value | Data Records | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | Position | Mass* | SD** |
| TMA | TMA SPV Monitoring (SA) | TMA SPV Monitoring Scheme – Up to 40-Tonne SPVs (SA) | SPVSA40T | Department for Infrastructure and Transport | SA | ✓ | | |
| TMA | | TMA SPV Monitoring Scheme – 6-Axle SPVs (SA) | SPVSA6AX | Department for Infrastructure and Transport | SA | ✓ | | |
| TMA | | TMA SPV Monitoring Scheme – 7-Axle SPVs (SA) | SPVSA7AX | Department for Infrastructure and Transport | SA | ✓ | | |
| TMA | | TMA SPV Monitoring Scheme – 8-Axle SPVs (SA) | SPVSA8AX | Department for Infrastructure and Transport | SA | ✓ | | |
| TMA | | TMA SPV Monitoring Scheme – 9-Axle SPVs (SA) | SPVSA9AX | Department for Infrastructure and Transport | SA | ✓ | | |

\*    Mass data records consist of mass records, mass configuration records, mass quality records and mass alarm records.

\*\*   Self-declared (SD) data records consist of SD (vehicle type/TCM) records, where TCM is total combination mass; and SD (comments) records. However, see notes below for scheme-specific requirements related to self-declaration.

1    TMA PBS Vehicle Monitoring Scheme (TAS) for the Department of State Growth (DSG), Tasmania: Mass measurement is a requirement for PBS vehicles enrolled in this scheme. Where Smart OBM systems have not yet been fitted, mass and vehicle configuration may optionally be collected through self-declaration via a user interface. In this case, SD (vehicle type/TCM) records will be expected and SD (comments) records are optional.

2    TMA Tow Truck Monitoring Scheme (WA): The load status must be self-declared at the start of the enrolled vehicle's journey, and whenever the status changes until the journey ends.
A TCA-approved user interface is required for the self-declared load status entry of 'Operation with Load' or 'Operation with No Load', noting that the load status must be entered as a self-declared comment code and comment name. See *National Telematics Framework Vehicle Categories*, Table 3, for more information.

3    TMA Hill Descent Monitoring – Mount Ousley Scheme (NSW): Until 1 June 2024, Operators of eligible A-Double combinations operating under the 'Interim OBM' arrangement may continue operating whilst in the process of arranging fitment of TCA-approved Smart OBM systems to those vehicles. Fitment of a Smart OBM system in an eligible vehicle is mandatory after 1 June 2024.

4    TMA Higher Mass Limits Scheme (NSW): Vehicle configuration must be declared via a user interface. Declaration of mass is optional. In this case, SD (vehicle type/TCM) records will be expected and SD (comments) records are optional.

5    TMA Higher Mass Limits Scheme (QLD): Mass and vehicle configuration must be declared via a user interface. In this case, SD (vehicle type/TCM) records will be expected and SD (comments) records are optional. However, if an enrolled vehicle has a Smart OBM system installed, vehicle configuration data is required from this device rather than via self-declaration.

6    TMA SPV Monitoring Schemes (NSW): If a vehicle will not change configuration, the Operator does not need to self-declare mass or vehicle configuration. When a vehicle will enrol in more than one TMA SPV Monitoring Scheme (NSW), mass and vehicle configuration must be declared through a TCA-approved user interface provided by the ASP. When this is the case:

- The vehicle must be enrolled in all the TMA SPV Monitoring Schemes (NSW) the vehicle will operate under; and

- Mass and vehicle configuration must be self-declared once every 24-hour period.

7    TMA Class 3 Truck and Dog Trailer Monitoring Scheme (NSW): Mass and vehicle configuration are only monitored if the applicable permit requires it. When a permit requires mass and vehicle configuration to monitored, a Smart OBM system must collect the mass and vehicle configuration data.

8    TMA Class 3 Truck and Dog Trailer Monitoring Scheme (QLD): Mass and vehicle configuration are only monitored if the applicable permit requires it. When a permit requires mass and vehicle configuration to monitored, a Smart OBM system must collect the mass and vehicle configuration data.

9    TMA High Productivity Freight Vehicle Monitoring Scheme (VIC): From 1 November 2021, HPFVs operating above 68.5 tonnes GCM (or above 46 tonnes GCM for quad-axle semi-trailers) are required to have Smart OBM systems installed. HPFVs that cannot meet the Smart OBM requirement by 1 November 2021 can apply for an extension to this deadline by contacting heavyvehicles@transport.vic.gov.au. Extensions are granted to allow HPFV operators to continue operating whilst in the process of arranging fitment of Smart OBM to their HPFV fleet. For more information, see *Victoria's High Productivity Freight Vehicle Network Information Sheet*.

**Table 3: Scheme Trials**

| App. | Scheme Group | Scheme Name | Scheme Data Element Value | Authority Name | Authority Code Data Element Value | Data Records | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | Position | Mass* | SD** |
| RIM | N/A | RIM ZEHV Monitoring Scheme (NSW) | RIMZEVNSW | Transport for NSW | NSW | ✓ | | |
| TMA | TMA ZEHV Monitoring Schemes (NSW) | TMA ZEHV Monitoring Scheme (NSW) | TMAZEVNSW | Transport for NSW | NSW | ✓ | | |
| TMA | | TMA ZEHV with Smart OBM Monitoring Scheme (NSW) | TMAZEVMASSNSW | Transport for NSW | NSW | ✓ | ✓ | |

\*    Mass data records consist of mass records, mass configuration records, mass quality records and mass alarm records.

\*\*   Self-declared (SD) data records consist of SD (vehicle type/TCM) records, where TCM is total combination mass; and SD (comments) records.

The following is a list of Authorities that may administer one or more schemes associated with applications of the National Telematics Framework.

**Table 4: National Telematics Framework Authorities**

| Authority Name | Jurisdiction | Authority Code Data Element Value |
|---|---|---|
| Transport for NSW | New South Wales state border | NSW |
| Department of Transport and Planning | Victoria state border | VIC |
| Department of Transport and Main Roads | Queensland state border | QLD |
| Main Roads Western Australia | Western Australia state border | WA |
| Department of State Growth | Tasmania state border | TAS |
| Department for Infrastructure and Transport | South Australia state border | SA |
| Department of Transport | Northern Territory border | NT |
| Access Canberra | Australian Capital Territory border | ACT |
| NZ Transport Agency Waka Kotahi | New Zealand national border | NZ |