# Payload Height Nomination (PHN) template document

The PHN document needs to be provided with the Vehicle Approval (VA) submission when the Payload Heights (PHs) must be determined as per the specifications of the as-built vehicle. Please remove any templates that do not match the vehicle description and the associated examples when submitting this document. This document is to be used when the Design Approval (DA) does not have specific payload information and has the following highlighted statement in the operating conditions:

1. Maximum PHs measured from the ground must not exceed: (m)

|  |  |
| --- | --- |
| Lead Trailer | Rear Trailer |
| Mass Across Axles 1-3 | Uniform Density | Mixed Freight | Mass Across Axles 4-7 | Uniform Density | Mixed Freight |
| ≤ GML | TBA\* | TBA\* | ≤ GML | TBA\* | TBA\* |
| ≤ CML | TBA\* | TBA\* | ≤ CML | TBA\* | TBA\* |
| ≤ HML | TBA\* | TBA\* | ≤ HML | TBA\* | TBA\* |

**\*To be assessed. For each vehicle certified under this design, the Payload Height Nomination (PHN) template document must be provided with allowable Payload Heights (PHs).**

* *Uniform Density* payloads have the mass equally distributed throughout the volume of the load space. Examples of uniform density products include, but are not limited to - grain, gravel sand, boxed ceramic tiles and canned drinks.
* *Mixed Freight* payloads have heavier items placed on the bottom of the load and lighter items on top. For example, a mix of boxes of different weights, with heavier boxes placed on the bottom while lighter and smaller are placed on the top.

# Instructions

Please use the provided templates for the four combination types we have created PH tables for; A-doubles, B-doubles, truck and dogs, and prime mover semitrailer type combinations. All underlined fields shown in the example table can be altered in the nominated PH tables in this document. Please note, additional rows can also be added or removed.

|  |
| --- |
| **Table 1: Prime Mover 1 and Trailer Set 1** |
| Lead Trailer | Rear Trailer |
| Mass Across Axles 1-6 | Uniform Density | Mixed Freight | Mass Across Axles 7-11 | Uniform Density | Mixed Freight |
| TCM ≤ 34.0t | 4.300 | 4.300 | TCM ≤ 32.0t | 4.300 | 4.300 |
| ≤ 38.5t GML | 4.070 | 4.200 | ≤ 36.5t GML | 4.200 | 4.200 |
| ≤ 43.0t CML | 4.010 | 4.150 | ≤ 38.0t CML | 4.190 | 4.150 |
| ≤ 44.5t HML | 3.940 | 4.050 | ≤ 39.5t HML | 4.120 | 4.050 |

* TCM – Total Combination Mass
* *Uniform Density* payloads have the mass equally distributed throughout the volume of the load space. Examples of uniform density products include, but are not limited to - grain, gravel sand, boxed ceramic tiles and canned drinks.
* *Mixed Freight* payloads have heavier items placed on the bottom of the load and lighter items on top. For example, a mix of boxes of different weights, with heavier boxes placed on the bottom while lighter and smaller are placed on the top.

# A-double template

## **Vehicle List**

|  |  |  |  |
| --- | --- | --- | --- |
| Prime Mover 1 | Prime Mover 2 | Prime Mover 3 | Prime Mover 4 |
| <INSERT VINs HERE> | <INSERT VINs HERE> | <INSERT VINs HERE> | <INSERT VINs HERE> |

|  |  |  |  |
| --- | --- | --- | --- |
| Lead Trailer 1 | Lead Trailer 2 | Lead Trailer 3 | Lead Trailer 4 |
| <INSERT VINs HERE> | <INSERT VINs HERE> | <INSERT VINs HERE> | <INSERT VINs HERE> |

|  |  |  |  |
| --- | --- | --- | --- |
| Dolly 1 | Dolly 2 | Dolly 3 | Dolly 4 |
| <INSERT VINs HERE> | <INSERT VINs HERE> | <INSERT VINs HERE> | <INSERT VINs HERE> |

|  |  |  |  |
| --- | --- | --- | --- |
| Rear Trailer 1 | Rear Trailer 2 | Rear Trailer 3 | Rear Trailer 4 |
| <INSERT VINs HERE> | <INSERT VINs HERE> | <INSERT VINs HERE> | <INSERT VINs HERE> |

## **Trailer Sets**

|  |
| --- |
| Trailer Set 1 |
| <INSERT LEAD TRAILER> | <INSERT DOLLY> | <INSERT REAR TRAILER> |

|  |
| --- |
| Trailer Set 2 |
| <INSERT LEAD TRAILER> | <INSERT DOLLY> | <INSERT REAR TRAILER> |

|  |
| --- |
| Trailer Set 3 |
| <INSERT LEAD TRAILER> | <INSERT DOLLY> | <INSERT REAR TRAILER> |

##

## **Combination Matrix**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Trailer Set 1 | Trailer Set 2 | Trailer Set 3 |
| Prime Mover 1 | <INSERT DWG NO.><INSERT DIM-SET>Table: **<#>** | <INSERT DWG NO.><INSERT DIM-SET>Table **<#>** | <INSERT DWG NO.><INSERT DIM-SET>Table **<#>** |
| Prime Mover 2 | <INSERT DWG NO.><INSERT DIM-SET>Table **<#>** | <INSERT DWG NO.><INSERT DIM-SET>Table **<#>** | <INSERT DWG NO.><INSERT DIM-SET>Table **<#>** |
| Prime Mover 3 | <INSERT DWG NO.><INSERT DIM-SET>Table **<#>** | <INSERT DWG NO.><INSERT DIM-SET>Table **<#>** | <INSERT DWG NO.><INSERT DIM-SET>Table **<#>** |
| Prime Mover 4 | <INSERT DWG NO.><INSERT DIM-SET>Table **<#>** | <INSERT DWG NO.><INSERT DIM-SET>Table **<#>** | <INSERT DWG NO.><INSERT DIM-SET>Table **<#>** |

## **Payload Height table**

1. Maximum Payload Heights (PHs) measured from the ground must not exceed: (m)

|  |
| --- |
| **Table #: Prime Mover # and Trailer Set #** |
| Lead Trailer | Rear Trailer |
| Mass Across Axles 1-6 | Uniform Density | Mixed Freight | Mass Across Axles 7-11 | Uniform Density | Mixed Freight |
| ≤ GML | TBA\* | TBA\* | ≤ GML | TBA\* | TBA\* |
| ≤ CML | TBA\* | TBA\* | ≤ CML | TBA\* | TBA\* |
| ≤ HML | TBA\* | TBA\* | ≤ HML | TBA\* | TBA\* |

* TCM – Total Combination Mass
* *Uniform Density* payloads have the mass equally distributed throughout the volume of the load space. Examples of uniform density products include, but are not limited to - grain, gravel sand, boxed ceramic tiles and canned drinks.
* *Mixed Freight* payloads have heavier items placed on the bottom of the load and lighter items on top. For example, a mix of boxes of different weights, with heavier boxes placed on the bottom while lighter and smaller are placed on the top.

##

## **Considerations**

**Note 1:** The tables above summarise the PHs for the listed combinations with respect to **<V NUMBER>**.

**Note 2:** The combinations were assessed at the maximum PHs.

**ASSESSOR: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**ASSESSOR SIGNATURE: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**DATE: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

# A-double example

## **Vehicle List**

|  |
| --- |
| Prime Mover 1 |
| **AAAAAAAAAAAAAAA11** |

|  |  |
| --- | --- |
| Lead Trailer 1 | Lead Trailer 2 |
| **BBBBBBBBBBBBBBB11** | **BBBBBBBBBBBBBBB21** |

|  |
| --- |
| Dolly 1 |
| **CCCCCCCCCCCCCCC11** |

|  |
| --- |
| Rear Trailer 1 |
| **DDDDDDDDDDDDDDD11** |

## **Trailer Sets**

|  |
| --- |
| Trailer Set 1 |
| Lead Trailer 1 | Dolly 1 | Rear Trailer 1 |

|  |
| --- |
| Trailer Set 2 |
| Lead Trailer 2 | Dolly 1 | Rear Trailer 1 |

## **Combination Matrix**

|  |  |  |
| --- | --- | --- |
|  | Trailer Set 1 | Trailer Set 2 |
| Prime Mover 1 | <INSERT DWG NO.>OriginalTable **1** | <INSERT DWG NO.>OriginalTable **1** |

##

## **Payload Height table**

1. Maximum Payload Heights (PHs) measured from the ground must not exceed: (m)

|  |
| --- |
| **Table 1: Prime Mover 1 and Trailer Set 1** |
| Lead Trailer | Rear Trailer |
| Mass Across Axles 1-6 | Uniform Density | Mixed Freight | Mass Across Axles 7-11 | Uniform Density | Mixed Freight |
| ≤ 38.5t GML | 4.300 | 4.300 | ≤ 36.5t GML | 4.300 | 4.300 |
| ≤ 43.0t CML | 4.010 | ≤ 38.0t CML | 4.190 |
| ≤ 44.5t HML | 3.940 | ≤ 39.5t HML | 4.120 |

* TCM – Total Combination Mass
* *Uniform Density* payloads have the mass equally distributed throughout the volume of the load space. Examples of uniform density products include, but are not limited to - grain, gravel sand, boxed ceramic tiles and canned drinks.
* *Mixed Freight* payloads have heavier items placed on the bottom of the load and lighter items on top. For example, a mix of boxes of different weights, with heavier boxes placed on the bottom while lighter and smaller are placed on the top.

## **Considerations**

**Note 1:** The tables above summarise the PHs for the listed combinations with respect to **<V 222222>**.

**Note 2:** The combinations were assessed at the maximum PHs.

**ASSESSOR: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**ASSESSOR SIGNATURE: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**DATE: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

# B-double template

## **Vehicle List**

|  |  |  |  |
| --- | --- | --- | --- |
| Prime Mover 1 | Prime Mover 2 | Prime Mover 3 | Prime Mover 4 |
| <INSERT VINs HERE> | <INSERT VINs HERE> | <INSERT VINs HERE> | <INSERT VINs HERE> |

|  |  |  |  |
| --- | --- | --- | --- |
| Lead Trailer 1 | Lead Trailer 2 | Lead Trailer 3 | Lead Trailer 4 |
| <INSERT VINs HERE> | <INSERT VINs HERE> | <INSERT VINs HERE> | <INSERT VINs HERE> |

|  |  |  |  |
| --- | --- | --- | --- |
| Rear Trailer 1 | Rear Trailer 2 | Rear Trailer 3 | Rear Trailer 4 |
| <INSERT VINs HERE> | <INSERT VINs HERE> | <INSERT VINs HERE> | <INSERT VINs HERE> |

## **Trailer Sets**

|  |
| --- |
| Trailer Set 1 |
| <INSERT LEAD TRAILER> | <INSERT REAR TRAILER> |

|  |
| --- |
| Trailer Set 2 |
| <INSERT LEAD TRAILER> | <INSERT REAR TRAILER> |

|  |
| --- |
| Trailer Set 3 |
| <INSERT LEAD TRAILER> | <INSERT REAR TRAILER> |

##

## **Combination Matrix**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Trailer Set 1 | Trailer Set 2 | Trailer Set 3 |
| Prime Mover 1 | <INSERT DWG NO.><INSERT DIM-SET>Table **<#>** | <INSERT DWG NO.><INSERT DIM-SET>Table **<#>** | <INSERT DWG NO.><INSERT DIM-SET>Table **<#>** |
| Prime Mover 2 | <INSERT DWG NO.><INSERT DIM-SET>Table **<#>** | <INSERT DWG NO.><INSERT DIM-SET>Table **<#>** | <INSERT DWG NO.><INSERT DIM-SET>Table **<#>** |
| Prime Mover 3 | <INSERT DWG NO.><INSERT DIM-SET>Table **<#>** | <INSERT DWG NO.><INSERT DIM-SET>Table **<#>** | <INSERT DWG NO.><INSERT DIM-SET>Table **<#>** |
| Prime Mover 4 | <INSERT DWG NO.><INSERT DIM-SET>Table **<#>** | <INSERT DWG NO.><INSERT DIM-SET>Table **<#>** | <INSERT DWG NO.><INSERT DIM-SET>Table **<#>** |

##

## **Payload Height table**

1. Maximum Payload Heights (PHs) measured from the ground must not exceed: (m)

|  |  |  |
| --- | --- | --- |
| **Table #: Prime Mover # and Trailer Set #** | Lead Trailer | Rear Trailer |
| Uniform Density | Mixed Freight | Uniform Density | Mixed Freight |
| TCM ≤ GML | TBA\* | TBA\* | TBA\* | TBA\* |
| TCM ≤ CML |
| TCM ≤ HML |

* TCM – Total Combination Mass
* *Uniform Density* payloads have the mass equally distributed throughout the volume of the load space. Examples of uniform density products include, but are not limited to - grain, gravel sand, boxed ceramic tiles and canned drinks.
* *Mixed Freight* payloads have heavier items placed on the bottom of the load and lighter items on top. For example, a mix of boxes of different weights, with heavier boxes placed on the bottom while lighter and smaller are placed on the top.

## **Considerations**

**Note 1:** The tables above summarise the PHs for the listed combinations with respect to **<V NUMBER>**.

**Note 2:** The combinations were assessed at the maximum PHs.

**ASSESSOR: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**ASSESSOR SIGNATURE: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**DATE: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

# B-double example

## **Vehicle List**

|  |
| --- |
| Prime Mover 1 |
| **AAAAAAAAAAAAAAA11** |

|  |  |
| --- | --- |
| Lead Trailer 1 | Lead Trailer 2 |
| **BBBBBBBBBBBBBBB11** | **BBBBBBBBBBBBBBB21** |

|  |
| --- |
| Rear Trailer 1 |
| **CCCCCCCCCCCCCCC11** |

## **Trailer Sets**

|  |
| --- |
| Trailer Set 1 |
| Lead Trailer 1 | Rear Trailer 1 |

|  |
| --- |
| Trailer Set 2 |
| Lead Trailer 2 | Rear Trailer 1 |

## **Combination Matrix**

|  |  |  |
| --- | --- | --- |
|  | Trailer Set 1 | Trailer Set 2 |
| Prime Mover 1 | <INSERT DWG NO.>OriginalTable **1** | <INSERT DWG NO.>OriginalTable **1** |

## **Payload Height table**

1. Maximum Payload Heights (PHs) measured from the ground must not exceed: (m)

|  |  |  |
| --- | --- | --- |
| **Table 1: Prime Mover 1 and Trailer Set 1** | Lead Trailer | Rear Trailer |
| Uniform Density | Mixed Freight | Uniform Density | Mixed Freight |
| TCM ≤ GML | 3.900 | 4.200 | 3.800 | 4.000 |
| TCM ≤ CML |
| TCM ≤ HML |

* TCM – Total Combination Mass
* *Uniform Density* payloads have the mass equally distributed throughout the volume of the load space. Examples of uniform density products include, but are not limited to - grain, gravel sand, boxed ceramic tiles and canned drinks.
* *Mixed Freight* payloads have heavier items placed on the bottom of the load and lighter items on top. For example, a mix of boxes of different weights, with heavier boxes placed on the bottom while lighter and smaller are placed on the top.

## **Considerations**

**Note 1:** The tables above summarise the PHs for the listed combinations with respect to **<V222222>**.

**Note 2:** The combinations were assessed at the maximum PHs.

**ASSESSOR: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**ASSESSOR SIGNATURE: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**DATE: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

# Truck and dog template

## **Vehicle List**

|  |  |  |  |
| --- | --- | --- | --- |
| Truck 1 | Truck 2 | Truck 3 | Truck 4 |
| <INSERT VINs HERE> | <INSERT VINs HERE> | <INSERT VINs HERE> | <INSERT VINs HERE> |

|  |  |  |  |
| --- | --- | --- | --- |
| Trailer 1 | Trailer 2 | Trailer 3 | Trailer 4 |
| <INSERT VINs HERE> | <INSERT VINs HERE> | <INSERT VINs HERE> | <INSERT VINs HERE> |

## **Combination Matrix**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Trailer 1 | Trailer 2 | Trailer 3 |
| Truck 1 | <INSERT DWG NO.><INSERT DIM-SET>Table **<#>** | <INSERT DWG NO.><INSERT DIM-SET>Table **<#>** | <INSERT DWG NO.><INSERT DIM-SET>Table **<#>** |
| Truck 2 | <INSERT DWG NO.><INSERT DIM-SET>Table **<#>** | <INSERT DWG NO.><INSERT DIM-SET>Table **<#>** | <INSERT DWG NO.><INSERT DIM-SET>Table **<#>** |
| Truck 3 | <INSERT DWG NO.><INSERT DIM-SET>Table **<#>** | <INSERT DWG NO.><INSERT DIM-SET>Table **<#>** | <INSERT DWG NO.><INSERT DIM-SET>Table **<#>** |
| Truck 4 | <INSERT DWG NO.><INSERT DIM-SET>Table **<#>** | <INSERT DWG NO.><INSERT DIM-SET>Table **<#>** | <INSERT DWG NO.><INSERT DIM-SET>Table **<#>** |

##

## **Payload Height table**

1. Maximum Payload Heights (PHs) measured from the ground must not exceed: (m)

|  |
| --- |
| **Table #: Prime Mover # and Trailer Set #** |
| Truck | Trailer |
| Mass Across Axles 1-3 | Uniform Density | Mixed Freight | Mass Across Axles 4-7 | Uniform Density | Mixed Freight |
| ≤ GML | TBA\* | TBA\* | ≤ GML | TBA\* | TBA\* |
| ≤ CML | TBA\* | TBA\* | ≤ CML | TBA\* | TBA\* |
| ≤ HML | TBA\* | TBA\* | ≤ HML | TBA\* | TBA\* |

* TCM – Total Combination Mass
* *Uniform Density* payloads have the mass equally distributed throughout the volume of the load space. Examples of uniform density products include, but are not limited to - grain, gravel sand, boxed ceramic tiles and canned drinks.
* *Mixed Freight* payloads have heavier items placed on the bottom of the load and lighter items on top. For example, a mix of boxes of different weights, with heavier boxes placed on the bottom while lighter and smaller are placed on the top.

## **Considerations**

**Note 1:** The tables above summarise the PHs for the listed combinations with respect to **<V NUMBER>**.

**Note 2:** The combinations were assessed at the maximum PHs.

**ASSESSOR: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**ASSESSOR SIGNATURE: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**DATE: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

# Truck and dog example

## **Vehicle List**

|  |  |
| --- | --- |
| Truck 1 | Truck 2 |
| **AAAAAAAAAAAAAAA11** | **AAAAAAAAAAAAAAA21** |

|  |  |
| --- | --- |
| Trailer 1 | Trailer 2 |
| **BBBBBBBBBBBBBBB11** | **BBBBBBBBBBBBBBB21** |

## **Combination Matrix**

|  |  |  |
| --- | --- | --- |
|  | Trailer 1 | Trailer 2 |
| Truck 1 | <INSERT DWG NO.>Variant 1Table **3** | <INSERT DWG NO.>Variant 1 Table **1** |
| Truck 2 | <INSERT DWG NO.>Variant 2Table **3** | NA |

##

## **Payload Height table**

1. Maximum Payload Heights (PHs) measured from the ground must not exceed: (m)

|  |
| --- |
| **Table 1: Prime Mover 1 and Trailer Set 1** |
| Truck | Trailer |
| Mass Across Axles 1-3 | Uniform Density | Mixed Freight | Mass Across Axles 4-7 | Uniform Density | Mixed Freight |
| ≤ GML | 4.300 | 4.300 | ≤ GML | 4.300 | 4.300 |
| ≤ CML | 4.010 | ≤ CML | 4.190 |
| ≤ HML | 3.940 | ≤ HML | 4.120 |

* TCM – Total Combination Mass
* *Uniform Density* payloads have the mass equally distributed throughout the volume of the load space. Examples of uniform density products include, but are not limited to - grain, gravel sand, boxed ceramic tiles and canned drinks.
* *Mixed Freight* payloads have heavier items placed on the bottom of the load and lighter items on top. For example, a mix of boxes of different weights, with heavier boxes placed on the bottom while lighter and smaller are placed on the top.

## **Considerations**

**Note 1:** The tables above summarise the PHs for the listed combinations with respect to **<V222222>**.

**Note 2:** The combinations were assessed at the maximum PHs.

**ASSESSOR: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**ASSESSOR SIGNATURE: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**DATE: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

# Prime mover and semitrailer template

## **Vehicle List**

|  |  |
| --- | --- |
| Prime Mover 1 | Prime Mover 2 |
| <INSERT VINs HERE> | <INSERT VINs HERE> |

|  |  |
| --- | --- |
| Trailer 1 | Trailer 2 |
| <INSERT VINs HERE> | <INSERT VINs HERE> |

## **Combination Matrix**

|  |  |  |
| --- | --- | --- |
|  | Trailer 1 | Trailer 2 |
| Prime Mover 1 | <INSERT DWG NO.><INSERT DIM-SET>Table **<#>** | <INSERT DWG NO.><INSERT DIM-SET>Table **<#>** |
| Prime Mover 2 | <INSERT DWG NO.><INSERT DIM-SET>Table **<#>** | <INSERT DWG NO.><INSERT DIM-SET>Table **<#>** |

##

## **Payload Height table**

1. Maximum Payload Heights (PHs) measured from the ground must not exceed: (m)

|  |  |  |
| --- | --- | --- |
| **Table #: Prime Mover # and Trailer #** | Uniform Density | Mixed Freight |
| TCM ≤ GML | TBA\* | TBA\* |
| TCM ≤ CML |
| TCM ≤ HML |

* TCM – Total Combination Mass
* *Uniform Density* payloads have the mass equally distributed throughout the volume of the load space. Examples of uniform density products include, but are not limited to - grain, gravel sand, boxed ceramic tiles and canned drinks.
* *Mixed Freight* payloads have heavier items placed on the bottom of the load and lighter items on top. For example, a mix of boxes of different weights, with heavier boxes placed on the bottom while lighter and smaller are placed on the top.

## **Considerations**

**Note 1:** The tables above summarise the PHs for the listed combinations with respect to **<V NUMBER>**.

**Note 2:** The combinations were assessed at the maximum PHs.

**ASSESSOR: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**ASSESSOR SIGNATURE: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**DATE: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

# Prime mover and semitrailer example

## **Vehicle List**

|  |  |
| --- | --- |
| Prime Mover 1 | Prime Mover 2 |
| **AAAAAAAAAAAAAAA11****AAAAAAAAAAAAAAA12** | **AAAAAAAAAAAAAAA21** |

|  |  |
| --- | --- |
| Trailer 1 | Trailer 2 |
| **BBBBBBBBBBBBBBB 11** | **BBBBBBBBBBBBBBB 21** |

## **Combination Matrix**

|  |  |  |
| --- | --- | --- |
|  | Trailer 1 | Trailer 2 |
| Prime Mover 1 | <INSERT DWG NO.>Variant 1Table **3** | <INSERT DWG NO.>Variant 1 Table **1** |
| Prime Mover 2 | <INSERT DWG NO.>Variant 2Table **3** | NA |

##

## **Payload Height table**

1. Maximum Payload Heights (PHs) measured from the ground must not exceed: (m)

|  |  |  |
| --- | --- | --- |
| **Table 1: Prime Mover 1 and Trailer 1** | Uniform Density | Mixed Freight |
| TCM ≤ GML | 3.800 | 3.950 |
| TCM ≤ CML |
| TCM ≤ HML |

* TCM – Total Combination Mass
* *Uniform Density* payloads have the mass equally distributed throughout the volume of the load space. Examples of uniform density products include, but are not limited to - grain, gravel sand, boxed ceramic tiles and canned drinks.
* *Mixed Freight* payloads have heavier items placed on the bottom of the load and lighter items on top. For example, a mix of boxes of different weights, with heavier boxes placed on the bottom while lighter and smaller are placed on the top.

## **Considerations**

**Note 1:** The tables above summarise the PHs for the listed combinations with respect to **<V222222>**.

**Note 2:** The combinations were assessed at the maximum PHs.

**ASSESSOR: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**ASSESSOR SIGNATURE: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**DATE: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**