



# National Class 2 Performance Based Standards (High Productivity) Authorisation Notice

South Australia Reference Vehicle Information Sheet

April 2026

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## 2 Overview

This Information Sheet specifies vehicle conditions pursuant to section 2(1)(e), Schedule 2 of the South Australian schedule of the *National Class 2 Performance Based Standards (High Productivity) Authorisation Notice 2025 (No. 1)* (the Notice).

The Information Sheet specifies axle configurations and dimensions. This sheet authorizes no operation of any heavy vehicle in its own right. Operation is authorized by the Notice, under conditions which include but not limited to compliance with vehicle conditions in this Information Sheet.

Further information the Notice and conditions is found in the [National Class 2 Performance Based Standards \(High Productivity\) Authorisation Notice Operator's Guide](#) (the Guide).

### 2.1 Contact us

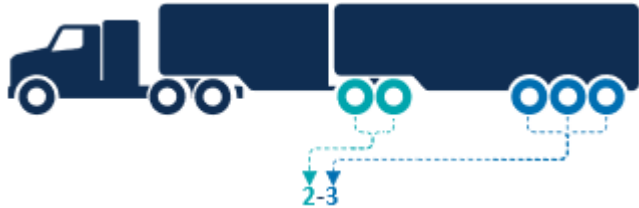
Check the [Operator's Guide](#) or contact us for further guidance on reference vehicle requirements under the Notice:

- Email: [info@nhvr.gov.au](mailto:info@nhvr.gov.au)
- Phone: 13 NHVR (13 64 87)

### 3 Interpreting the reference vehicle tables

**Ref ID:** Each eligible vehicle authorised under the South Australian schedule of the National Class 2 Performance Based Standards (High Productivity) Authorisation Notice is identified by a Ref ID.

**Trailer axles:** The number of axles on each trailer axle group. 2-3 means that the first trailer axle group has 2 axles (a tandem axle group) and the second has 3 axles.



The reference vehicles make no requirements about trailer types or configuration. They make requirements only for how the axles and axle groups must be configured.

Ref ID	Number of axles per axle group			Minimum axle spacing requirements (m)							
	Steer axle	Drive axle	Trailer axles	<i>Dimensions measured from the centre of the first specified axle to the centre of the second specified axle</i>							
				1-2	2-3	3-4 (X)	4-5	5-6 (Y)	6-7	7-8	X+Y
1	1	2	2-3	3.0	1.25	6.8	1.25	2.25	1.25	1.25	5.25

**Steer axle:** The number of steer axles for this reference vehicle.

**Drive axles:** The number of drive axles for this reference vehicle.

**Minimum axle spacing requirements (m):** The minimum distances between the centres of each specified axle on the combination, starting with the steer axle (axle 1), the first drive axle (axle 2) and then trailer axles.

1-2 means the distance between the first (steer) and second (drive) axles on the combination. For a twin steer, 1-2 would mean the distance between the first and second steer axles.

**X + Y:** This measure applies to some reference vehicles only. (i.e. where indicated on the table) It refers to a value that is the sum of two distances. In this case, the distances between axles 3 to 4 (X) + axles 5 to 6 (Y).

## 4 South Australia reference vehicles (single steer)

Table 1: PBS reference vehicles 1 to 2 - with 1 trailer axle group

Ref ID	Number of axles per axle group			Minimum axle spacing requirements (m) <i>Dimensions measured from the centre of the first specified axle to the centre of the second specified axle</i>					
	Steer axle	Drive axle	Trailer axle	1-2	2-3	3-4	4-5	5-6	6-7
<u>1</u>	1	2	4	3.0	1.25	6.8	1.25	1.25	1.25
<u>2</u>	1	2	4	4.2	1.3	4.3	1.2	1.2	1.2

Table 2: PBS reference vehicles 3 to 7 - with 2 trailer axle groups

Ref ID	Number of axles per axle group			Minimum axle spacing requirements (m) <i>Dimensions measured from the centre of the first specified axle to the centre of the second specified axle</i>										
	Steer axle	Drive axle	Trailer axle	1-2	2-3 (X)	3-4	4-5	5-6	6-7	7-8 (Y)	8-9	9-10	10-11	X+Y <sup>1</sup>
<u>3a</u>	1	2	3-3	3.2	1.3	4.3	1.2	1.2	4.4	1.2	1.2	-	-	-
<u>3</u>	1	2	4-3	3.0	1.25	6.0	1.25	1.25	1.25	6.0	1.2	1.2	-	13.0
<u>4</u>	1	2	4-3	3.2	1.3	4.3	1.2	1.2	1.2	4.3	1.2	1.2	-	-
<u>5</u>	1	2	3-4	3.2	1.3	4.3	1.2	1.2	4.3	1.2	1.2	1.2	-	-
<u>6</u>	1	2	4-4	3.0	1.25	6.0	1.25	1.25	1.25	6.0	1.25	1.25	1.25	13.0
<u>7</u>	1	2	4-4	3.2	1.3	4.3	1.2	1.2	1.2	4.3	1.2	1.2	1.2	-

<sup>1</sup> X + Y = The sum of the distances between axles 3 to 4 (X) + axles 7 to 8 (Y)

**Table 3: PBS reference vehicles 8 to 11 - with 3 trailer axle groups**

Ref ID	Number of axles per axle group			Minimum axle spacing requirements (m) <i>Dimensions measured from the centre of the first specified axle to the centre of the second specified axle</i>							
	Steer axle	Drive axle	Trailer axle	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9
<u>8</u>	1	2	2-2-2	3.0	1.25	4.5	1.8	3.5	1.4	4.5	1.8
<u>9</u>	1	2	2-2-2	3.0	1.25	4.5	1.8	2.8	1.4	4.5	1.8
<u>10</u>	1	2	2-2-2	3.0	1.25	4.5	1.25	5.0	1.25	5.0	1.25
<u>11</u>	1	2	2-2-2	3.20	1.30	4.30	1.25	4.30	1.25	4.30	1.25

**Table 4: PBS reference vehicles 12 to 16 - with 3 trailer axle groups**

Ref ID	Number of axles per axle group			Minimum axle spacing requirements (m) <i>Dimensions measured from the centre of the first specified axle to the centre of the second specified axle</i>									
	Steer axle	Drive axle	Trailer axle	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11
<u>12</u>	1	2	3-2-3	3.0	1.25	5.2	1.2	1.2	5.2	1.2	5.2	1.2	1.2
<u>13</u>	1	2	3-2-3	3.0	1.25	6.0	1.2	1.2	3.75	1.2	6.125	1.2	1.2
<u>14</u>	1	2	3-2-3	3.0	1.25	6.3	1.2	1.2	3.75	1.2	6.3	1.2	1.2
<u>15</u>	1	2	3-2-3	3.0	1.25	6.2	1.2	1.2	5.2	1.2	6.2	1.2	1.2
<u>16</u>	1	2	3-2-3	3.0	1.25	6.9	1.2	1.2	3.75	1.2	6.9	1.2	1.2

**Table 5: PBS reference vehicles 17 to 23 - with 3 trailer axle groups**

Ref ID	Number of axles per axle group			Minimum axle spacing requirements (m)										
	Steer axle	Drive axle	Trailer axle	<i>Dimensions measured from the centre of the first specified axle to the centre of the second specified axle</i>										
				1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
<u>17</u>	1	2	3-3-3	3.0	1.2	5.4	1.2	1.2	4.7	1.2	1.2	5.2	1.2	1.2
<u>18</u>	1	2	3-3-3	3.0	1.2	5.4	1.2	1.2	5.4	1.2	1.2	6.5	1.2	1.2
<u>19</u>	1	2	3-3-3	4.2	1.3	4.2	1.25	1.25	4.2	1.25	1.25	4.2	1.25	1.25
<u>20</u>	1	2	3-3-3	3.0	1.25	5.2	1.2	1.2	4.0	1.2	1.2	5.2	1.2	1.2
<u>21</u>	1	2	3-3-3	3.0	1.25	5.2	1.2	1.2	4.55	1.2	1.2	4.7	1.2	1.2
<u>22</u>	1	2	3-3-3	3.0	1.25	5.1	1.2	1.2	4.2	1.2	1.2	4.2	1.2	1.2
<u>23</u>	1	2	3-3-3	3.0	1.25	4.2	1.2	1.2	4.2	1.2	1.2	4.2	1.2	1.2

**Table 6: PBS reference vehicles 24 to 29 - with 3 trailer axle groups**

Ref ID	Number of axles per axle group			Minimum axle spacing requirements (m)													
	Steer axle	Drive axle	Trailer axle	<i>Dimensions measured from the centre of the first specified axle to the centre of the second specified axle</i>													
				1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15
<u>24</u>	1	2	3-3-3	4.2	1.3	4.3	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2			
<u>25</u>	1	2	3-3-4	4.2	1.3	4.3	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	1.2		
<u>26</u>	1	2	4-3-3	4.2	1.3	4.3	1.2	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2		
<u>27</u>	1	2	4-3-4	4.2	1.3	4.3	1.2	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	1.2	
<u>28</u>	1	2	4-4-3	4.2	1.3	4.3	1.2	1.2	1.2	4.3	1.2	1.2	1.2	4.3	1.2	1.2	
<u>29</u>	1	2	4-4-4	4.2	1.3	4.3	1.25	1.25	1.25	4.3	1.25	1.25	1.25	4.3	1.25	1.25	1.25

**Table 7: PBS reference vehicles 30 to 33 - with 4 trailer axle groups**

Ref ID	Number of axles per axle group			Minimum & maximum axle spacing requirements (m)													
	Steer axle	Drive axle	Trailer axle	<i>Dimensions measured from the centre of the first specified axle to the centre of the second specified axle</i>													
				1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15
<b>30</b>	1	2	3-3-3-3	3.0	1.2	4.0	1.2	1.2	4.0	1.2	1.2	4.4	1.2	1.2	4.5	1.2	1.2
<b>31</b>	1	2	3-3-3-3	3.0	1.2	5.2	1.2	1.2	3.7	1.2	1.2	5.2	1.2	1.2	5.2	1.2	1.2
<b>32</b>	1	2	3-3-3-3	3.0	1.2	4.2	1.2	1.2	4.0	1.2	1.2	4.2	1.2	1.2	3.5	1.2	1.2
<b>33</b>	1	2	3-3-3-3	3.0	1.2	5.2	1.2	1.2	4.6	1.2	1.2	3.95	1.2	1.2	4.8	1.2	1.2

**Table 8: PBS reference vehicles 34 to 45 - with 4 trailer axle groups**

Ref ID	Number of axles per axle group			Minimum axle spacing requirements (m)																	
	Steer axle	Drive axle	Trailer axle	<i>Dimensions measured from the centre of the first specified axle to the centre of the second specified axle</i>																	
				1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19
<b>34</b>	1	2	3-3-3-3	3.2	1.3	4.3	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2				
<b>35</b>	1	2	3-3-3-4	3.2	1.3	4.3	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	1.2			
<b>36</b>	1	2	4-3-3-3	3.2	1.3	4.3	1.2	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2			
<b>37</b>	1	2	3-3-4-4	3.2	1.3	4.3	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	1.2	4.3	1.2	1.2	1.2		
<b>38</b>	1	2	4-3-3-4	3.2	1.3	4.3	1.2	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	1.2	-	-
<b>39</b>	1	2	4-3-4-3	3.2	1.3	4.3	1.2	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	1.2	4.3	1.2	1.2	-	-
<b>40</b>	1	2	4-4-3-3	3.2	1.3	4.3	1.2	1.2	1.2	4.3	1.2	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	-	-
<b>41</b>	1	2	3-4-4-4	3.2	1.3	4.3	1.2	1.2	4.3	1.2	1.2	1.2	4.3	1.2	1.2	1.2	4.3	1.2	1.2	1.2	-
<b>42</b>	1	2	4-3-4-4	3.2	1.3	4.3	1.2	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	1.2	4.3	1.2	1.2	1.2	-
<b>43</b>	1	2	4-4-3-4	3.2	1.3	4.3	1.2	1.2	1.2	4.3	1.2	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	1.2	-
<b>44</b>	1	2	4-4-4-3	3.2	1.3	4.3	1.2	1.2	1.2	4.3	1.2	1.2	1.2	4.3	1.2	1.2	1.2	4.3	1.2	1.2	-
<b>45</b>	1	2	4-4-4-4	3.2	1.3	4.3	1.2	1.2	1.2	4.3	1.2	1.2	1.2	4.3	1.2	1.2	1.2	4.3	1.2	1.2	1.2

**Table 9: PBS reference vehicles 46 to 58 - with 5 trailer axle groups**

Ref ID	Number of axles per axle group			Minimum/maximum axle spacing requirements (m)																							
	Steer axle	Drive axle	Trailer axle	<i>Dimensions measured from the centre of the first specified axle to the centre of the second specified axle</i>																							
				1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23		
<u>46</u>	1	2	3-3-3-3-3	3.2	1.3	4.3	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	4.3	1.2	4.3	1.2	1.2	4.3	1.2	1.2	-	-	-	-	-
<u>47</u>	1	2	4-3-3-3-3	3.2	1.3	4.3	1.2	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	1.2	-	-	-	-	-
<u>48</u>	1	2	4-3-3-3-4	3.2	1.3	4.3	1.2	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	1.2	1.2	-	-	-	-
<u>49</u>	1	2	4-4-3-3-3	3.2	1.3	4.3	1.2	1.2	1.2	4.3	1.2	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	1.2	-	-	-	-
<u>50</u>	1	2	4-3-3-4-4	3.2	1.3	4.3	1.2	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	1.2	4.3	1.2	1.2	1.2	1.2	-	-	-
<u>51</u>	1	2	4-3-4-3-4	3.2	1.3	4.3	1.2	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	1.2	1.2	-	-	-
<u>52</u>	1	2	4-4-3-3-4	3.2	1.3	4.3	1.2	1.2	1.2	4.3	1.2	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	1.2	1.2	-	-	-
<u>53</u>	1	2	4-4-4-3-3	3.2	1.3	4.3	1.2	1.2	1.2	4.3	1.2	1.2	1.2	4.3	1.2	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	1.2	-	-	-
<u>54</u>	1	2	4-3-4-4-4	3.2	1.3	4.3	1.2	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	1.2	-
<u>55</u>	1	2	4-4-3-4-4	3.2	1.3	4.3	1.2	1.2	1.2	4.3	1.2	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	1.2	-
<u>56</u>	1	2	4-4-4-3-4	3.2	1.3	4.3	1.2	1.2	1.2	4.3	1.2	1.2	1.2	4.3	1.2	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	1.2	1.2	1.2	-
<u>57</u>	1	2	4-4-4-4-3	3.2	1.3	4.3	1.2	1.2	1.2	4.3	1.2	1.2	1.2	4.3	1.2	1.2	1.2	4.3	1.2	1.2	4.3	1.2	4.3	1.2	1.2	1.2	-
<u>58</u>	1	2	4-4-4-4-4	3.2	1.3	4.3	1.2	1.2	1.2	4.3	1.2	1.2	1.2	4.3	1.2	1.2	1.2	4.3	1.2	1.2	4.3	1.2	4.3	1.2	1.2	1.2	1.2

## 5 South Australia reference vehicles (twinsteer)

Table 10: PBS reference vehicles 101 to 102 - with 1 trailer axle group

Ref ID	Number of axles per axle group			Minimum/maximum axle spacing requirements (m)						
	Steer axle	Drive axle	Trailer axle	<i>Dimensions measured from the centre of the first specified axle to the centre of the second specified axle</i>						
				1-2	2-3	3-4	4-5	5-6	6-7	7-8
<u>101</u>	2	2	4	1.7	2.5	1.3	6.8	1.25	1.25	1.25
<u>102</u>	2	2	4	1.7	2.5	1.3	4.3	1.2	1.2	1.2

Table 11: PBS reference vehicles 103 to 107 - with 2 trailer axle groups

Ref ID	Number of axles per axle group			Minimum/maximum axle spacing requirements (m)													
	Steer axle	Drive axle	Trailer axle	<i>Dimensions measured from the centre of the first specified axle to the centre of the second specified axle</i>													
				X+Y <sup>2</sup>	1-11	1-12	1-2	2-3	3-4 (X)	4-5	5-6	6-7	7-8 (Y)	8-9	9-10	10-11	11-12
<u>103a</u>	2	2	3-3	-	-	-	1.7	2.5	1.3	4.3	1.2	1.2	4.4	1.2	1.2	-	-
<u>103</u>	2	2	4-3	13.0	-	-	1.7	2.5	1.3	6.0	1.25	1.25	1.25	6.0	1.2	1.2	-
<u>104</u>	2	2	4-3	-	-	-	1.7	2.5	1.3	4.3	1.2	1.2	1.2	4.3	1.2	1.2	-
<u>105</u>	2	2	3-4	-	-	-	1.7	2.5	1.3	4.3	1.2	1.2	4.3	1.2	1.2	1.2	-
<u>106</u>	2	2	4-4	13.0	-	-	1.7	2.5	1.3	6.0	1.25	1.25	1.25	6.0	1.25	1.25	1.25
<u>107</u>	2	2	4-4	-	-	-	1.7	2.5	1.3	4.3	1.2	1.2	1.2	4.3	1.2	1.2	1.2

<sup>2</sup> X + Y = The sum of the distances between axles 3 to 4 (X) + axles 7 to 8 (Y)

**Table 12: PBS reference vehicles 108 to 111 - with 3 trailer axle groups**

Ref ID	Number of axles per axle group			Minimum/maximum axle spacing requirements (m)								
	Steer axle	Drive axle	Trailer axle	<i>Dimensions measured from the centre of the first specified axle to the centre of the second specified axle</i>								
				1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10
<b>108</b>	2	2	2-2-2	1.7	2.5	1.3	4.5	1.8	3.5	1.4	4.5	1.8
<b>109</b>	2	2	2-2-2	1.7	2.5	1.3	4.5	1.8	2.8	1.4	4.5	1.8
<b>110</b>	2	2	2-2-2	1.7	2.5	1.3	4.5	1.25	5.0	1.25	5.0	1.25
<b>111</b>	2	2	2-2-2	1.7	2.5	1.3	4.30	1.25	4.30	1.25	4.30	1.25

**Table 13: PBS reference vehicles 112 to 116 - with 3 trailer axle groups**

Ref ID	Number of axles per axle group			Minimum & maximum axle spacing requirements (m)										
	Steer axle	Drive axle	Trailer axle	<i>Dimensions measured from the centre of the first specified axle to the centre of the second specified axle</i>										
				1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
<b>112</b>	2	2	3-2-3	1.7	2.5	1.3	5.2	1.2	1.2	5.2	1.2	5.2	1.2	1.2
<b>113</b>	2	2	3-2-3	1.7	2.5	1.3	6.0	1.2	1.2	3.75	1.2	6.125	1.2	1.2
<b>114</b>	2	2	3-2-3	1.7	2.5	1.3	6.3	1.2	1.2	3.75	1.2	6.3	1.2	1.2
<b>115</b>	2	2	3-2-3	1.7	2.5	1.3	6.2	1.2	1.2	5.2	1.2	6.2	1.2	1.2
<b>116</b>	2	2	3-2-3	1.7	2.5	1.3	6.9	1.2	1.2	3.75	1.2	6.9	1.2	1.2

**Table 14: PBS reference vehicles 117 to 123 - with 3 trailer axle groups**

Ref ID	Number of axles per axle group			Minimum & maximum axle spacing requirements (m)											
	Steer axle	Drive axle	Trailer axle	<i>Dimensions measured from the centre of the first specified axle to the centre of the second specified axle</i>											
				1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
<u>117</u>	2	2	3-3-3	1.7	2.5	1.3	5.4	1.2	1.2	4.7	1.2	1.2	5.2	1.2	1.2
<u>118</u>	2	2	3-3-3	1.7	2.5	1.3	5.4	1.2	1.2	5.4	1.2	1.2	6.5	1.2	1.2
<u>119</u>	2	2	3-3-3	1.7	2.5	1.3	4.2	1.25	1.25	4.2	1.25	1.25	4.2	1.25	1.25
<u>120</u>	2	2	3-3-3	1.7	2.5	1.3	5.2	1.2	1.2	4.0	1.2	1.2	5.2	1.2	1.2
<u>121</u>	2	2	3-3-3	1.7	2.5	1.3	5.2	1.2	1.2	4.55	1.2	1.2	4.7	1.2	1.2
<u>122</u>	2	2	3-3-3	1.7	2.5	1.3	5.1	1.2	1.2	4.2	1.2	1.2	4.2	1.2	1.2
<u>123</u>	2	2	3-3-3	1.7	2.5	1.3	4.2	1.2	1.2	4.2	1.2	1.2	4.2	1.2	1.2

**Table 15: PBS reference vehicles 124 to 129 - with 3 trailer axle groups**

Ref ID	Number of axles per axle group			Minimum axle spacing requirements (m)														
	Steer axle	Drive axle	Trailer axle	<i>Dimensions measured from the centre of the first specified axle to the centre of the second specified axle</i>														
				1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16
<u>124</u>	2	2	3-3-3	1.7	2.5	1.3	4.3	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2			
<u>125</u>	2	2	3-3-4	1.7	2.5	1.3	4.3	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	1.2	-	-
<u>126</u>	2	2	4-3-3	1.7	2.5	1.3	4.3	1.2	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	-	-
<u>127</u>	2	2	4-3-4	1.7	2.5	1.3	4.3	1.2	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	1.2	-
<u>128</u>	2	2	4-4-3	1.7	2.5	1.3	4.3	1.2	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	1.2	-
<u>129</u>	2	2	4-4-4	1.7	2.5	1.3	4.3	1.25	1.25	1.25	4.3	1.25	1.25	1.25	4.3	1.25	1.25	1.25

**Table 16: PBS reference vehicles 130 to 133 - with 4 trailer axle groups**

Ref ID	Number of axles per axle group			Minimum & maximum axle spacing requirements (m)																		
	Steer axle	Drive axle	Trailer axle	<i>Dimensions measured from the centre of the first specified axle to the centre of the second specified axle</i>																		
				1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16				
<u>130</u>	2	2	3-3-3-3	1.7	2.5	1.3	4.0	1.2	1.2	4.0	1.2	1.2	4.4	1.2	1.2	4.5	1.2	1.2				
<u>131</u>	2	2	3-3-3-3	1.7	2.5	1.3	5.2	1.2	1.2	3.7	1.2	1.2	5.2	1.2	1.2	5.2	1.2	1.2				
<u>132</u>	2	2	3-3-3-3	1.7	2.5	1.3	4.2	1.2	1.2	4.0	1.2	1.2	4.2	1.2	1.2	3.5	1.2	1.2				
<u>133</u>	2	2	3-3-3-3	1.7	2.5	1.3	5.2	1.2	1.2	4.6	1.2	1.2	3.95	1.2	1.2	4.8	1.2	1.2				

**Table 17: PBS reference vehicles 134 to 145 - with 4 trailer axle groups**

Ref ID	Number of axles per axle group			Minimum axle spacing requirements (m)																		
	Steer axle	Drive axle	Trailer axle	<i>Dimensions measured from the centre of the first specified axle to the centre of the second specified axle</i>																		
				1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20
<u>134</u>	2	2	3-3-3-3	1.7	2.5	1.3	4.3	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2				
<u>135</u>	2	2	3-3-3-4	1.7	2.5	1.3	4.3	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	1.2	-	-	-
<u>136</u>	2	2	4-3-3-3	1.7	2.5	1.3	4.3	1.2	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	-	-	-
<u>137</u>	2	2	3-3-4-4	1.7	2.5	1.3	4.3	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	1.2	4.3	1.2	1.2	1.2		
<u>138</u>	2	2	4-3-3-4	1.7	2.5	1.3	4.3	1.2	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	1.2	-	-
<u>139</u>	2	2	4-3-4-3	1.7	2.5	1.3	4.3	1.2	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	1.2	4.3	1.2	1.2	-	-
<u>140</u>	2	2	4-4-3-3	1.7	2.5	1.3	4.3	1.2	1.2	1.2	4.3	1.2	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	-	-
<u>141</u>	2	2	3-4-4-4	1.7	2.5	1.3	4.3	1.2	1.2	4.3	1.2	1.2	1.2	4.3	1.2	1.2	1.2	4.3	1.2	1.2	1.2	-
<u>142</u>	2	2	4-3-4-4	1.7	2.5	1.3	4.3	1.2	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	1.2	4.3	1.2	1.2	1.2	-
<u>143</u>	2	2	4-4-3-4	1.7	2.5	1.3	4.3	1.2	1.2	1.2	4.3	1.2	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	1.2	-
<u>144</u>	2	2	4-4-4-3	1.7	2.5	1.3	4.3	1.2	1.2	1.2	4.3	1.2	1.2	1.2	4.3	1.2	1.2	1.2	4.3	1.2	1.2	-
<u>145</u>	2	2	4-4-4-4	1.7	2.5	1.3	4.3	1.2	1.2	1.2	4.3	1.2	1.2	1.2	4.3	1.2	1.2	1.2	4.3	1.2	1.2	1.2

**Table 18: PBS reference vehicles 146 to 158 - with 5 trailer axle groups**

Ref ID	Number of axles per axle group			Minimum axle spacing requirements (m)																						
	Steer axle	Drive axle	Trailer axle	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24
<u>146</u>	2	2	3-3-3-3-3	1.7	2.5	1.3	4.3	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	-	-	-	-	-
<u>147</u>	2	2	4-3-3-3-3	1.7	2.5	1.3	4.3	1.2	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	-	-	-	-
<u>148</u>	2	2	4-3-3-3-4	1.7	2.5	1.3	4.3	1.2	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	1.2	-	-	-
<u>149</u>	2	2	4-4-3-3-3	1.7	2.5	1.3	4.3	1.2	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	1.2	-	-	-
<u>150</u>	2	2	4-3-3-4-4	1.7	2.5	1.3	4.3	1.2	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	1.2	1.2	-	-
<u>151</u>	2	2	4-3-4-3-4	1.7	2.5	1.3	4.3	1.2	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	1.2	1.2	-	-
<u>152</u>	2	2	4-4-3-3-4	1.7	2.5	1.3	4.3	1.2	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	1.2	1.2	-	-
<u>153</u>	2	2	4-4-4-3-3	1.7	2.5	1.3	4.3	1.2	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	1.2	1.2	-	-
<u>154</u>	2	2	4-3-4-4-4	1.7	2.5	1.3	4.3	1.2	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	1.2	1.2	1.2	-
<u>155</u>	2	2	4-4-3-4-4	1.7	2.5	1.3	4.3	1.2	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	1.2	1.2	1.2	-
<u>156</u>	2	2	4-4-4-3-4	1.7	2.5	1.3	4.3	1.2	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	1.2	1.2	1.2	-
<u>157</u>	2	2	4-4-4-4-3	1.7	2.5	1.3	4.3	1.2	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	1.2	1.2	1.2	-
<u>158</u>	2	2	4-4-4-4-4	1.7	2.5	1.3	4.3	1.2	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	4.3	1.2	1.2	1.2	1.2	1.2	1.2