

# DIN EN 16186-5:2021-10 (E)

## Railway applications - Driver's cabs - Part 5: External visibility for tram vehicles

---

<b>Contents</b>		<b>Page</b>
European foreword .....		3
<b>1</b>	<b>Scope .....</b>	<b>4</b>
<b>2</b>	<b>Normative references .....</b>	<b>4</b>
<b>3</b>	<b>Terms and definitions .....</b>	<b>4</b>
<b>4</b>	<b>Driver's anthropometric data .....</b>	<b>6</b>
<b>4.1</b>	<b>General .....</b>	<b>6</b>
<b>4.2</b>	<b>Data .....</b>	<b>6</b>
<b>5</b>	<b>Forward visibility .....</b>	<b>8</b>
<b>5.1</b>	<b>General .....</b>	<b>8</b>
<b>5.2</b>	<b>Forward visibility requirements .....</b>	<b>8</b>
<b>5.2.1</b>	<b>Objectives .....</b>	<b>8</b>
<b>5.2.2</b>	<b>General .....</b>	<b>8</b>
<b>5.2.3</b>	<b>Visibility of external signals .....</b>	<b>9</b>
<b>5.2.4</b>	<b>Close outside visibility .....</b>	<b>9</b>
<b>5.2.5</b>	<b>Forward visibility .....</b>	<b>11</b>
<b>5.2.6</b>	<b>Visibility of couplers .....</b>	<b>12</b>
<b>5.3</b>	<b>Windscreen and side windscreen related requirements .....</b>	<b>12</b>
<b>5.3.1</b>	<b>General .....</b>	<b>12</b>
<b>5.3.2</b>	<b>Front windscreen cleaning device .....</b>	<b>12</b>
<b>5.3.3</b>	<b>Windscreen glare protection .....</b>	<b>13</b>
<b>5.3.4</b>	<b>Front Windscreen de-icing and de-misting .....</b>	<b>14</b>
<b>5.3.5</b>	<b>Side Windscreen de-icing and de-misting .....</b>	<b>14</b>
<b>5.3.6</b>	<b>Reflection protection .....</b>	<b>14</b>
<b>6</b>	<b>External rear visibility .....</b>	<b>15</b>
<b>Annex A (normative) Forward visibility reference surfaces .....</b>		<b>16</b>
<b>Annex B (normative) Forward visibility reference eye points -- Adjustable foot rest and adjustable seat .....</b>		<b>17</b>
<b>Annex C (informative) A-deviations .....</b>		<b>18</b>
<b>Bibliography .....</b>		<b>19</b>