

## TG2 Corrections

Section	Edition updated in	Correction																																						
Chapter 4, Table 4.14, Page 57	July 2020	<p>In Chapter 4, on page 57, Table 4.14, the Cohesion for a BSM 2 with &lt; 50% RA was incorrectly shown as 265 kPa. This value has been corrected to 200 kPa.</p> <p><a href="#">4.3.9 BSM Classification</a></p> <p>In summary, the specification requirements are provided in Table 4.14.</p> <p><b>Table 4.14 BSM Classification Limits</b></p> <table border="1"> <thead> <tr> <th rowspan="2">Class</th> <th rowspan="2">RA (%)</th> <th colspan="2">ITS (kPa)<sup>1</sup></th> <th colspan="3">Triaxial</th> </tr> <tr> <th>ITS<sub>DRY</sub></th> <th>ITS<sub>WET</sub></th> <th>Cohesion (kPa)</th> <th>Friction Angle (°)</th> <th>Retained Cohesion (%)</th> </tr> </thead> <tbody> <tr> <td rowspan="2">BSM 1</td> <td>&lt; 50%</td> <td>225</td> <td>125</td> <td>250</td> <td>40</td> <td>75</td> </tr> <tr> <td>50 – 100%</td> <td>225</td> <td>125</td> <td>265</td> <td>38</td> <td>75</td> </tr> <tr> <td rowspan="2">BSM 2</td> <td>&lt; 50%</td> <td>175</td> <td>100</td> <td>200<sup>2</sup></td> <td>38</td> <td>65</td> </tr> <tr> <td>50 – 100%</td> <td>175</td> <td>100</td> <td>225</td> <td>35</td> <td>75</td> </tr> </tbody> </table> <p><i>Note:</i></p> <ol style="list-style-type: none"> <li>152 mm diameter specimen geometry used for ITS tests and 150 mm diameter for Triaxial tests</li> <li>The red Cohesion value of 200 kPa for BSM 2 with &lt; 50% RAP was erroneously first published as 265 kPa. 200 kPa is correct.</li> </ol> <p style="text-align: center;">Page 57 of 210</p>	Class	RA (%)	ITS (kPa) <sup>1</sup>		Triaxial			ITS <sub>DRY</sub>	ITS <sub>WET</sub>	Cohesion (kPa)	Friction Angle (°)	Retained Cohesion (%)	BSM 1	< 50%	225	125	250	40	75	50 – 100%	225	125	265	38	75	BSM 2	< 50%	175	100	200 <sup>2</sup>	38	65	50 – 100%	175	100	225	35	75
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Appendix A (DEMAC), Table A.1, Page	July 2020	<p>The rules for determining the material type have been updated in Table A.1. The 19 mm sieve was updated to 20 mm, and the fraction-base rules updated to ensure a material falls into only one class.</p> <p><b>Table A.1 Material Type Selection Rules</b></p> <table border="1"> <thead> <tr> <th>Fraction Type</th> <th>Fraction Definition</th> </tr> </thead> <tbody> <tr> <td>% Coarse Gravel (CG)</td> <td>&gt; 20 mm</td> </tr> <tr> <td>% Gravel (G)</td> <td>P20 – 2.00 mm</td> </tr> <tr> <td>% Sand (S)</td> <td>P2.00 – 0.075 mm</td> </tr> <tr> <td>% Silt and/or Clay (SC)</td> <td>&lt; 0.075 mm</td> </tr> <tr> <th colspan="2">Fraction-based Material Type Rule</th> </tr> <tr> <th colspan="2">Outcome</th> </tr> <tr> <td>CG+G+S ≥ G+S+SC AND visual/profile confirms crushed stone</td> <td>Crushed Stone (CS)</td> </tr> <tr> <td>CG+G+S ≥ G+S+SC</td> <td>Natural Gravel (NG)</td> </tr> <tr> <td>G+S+SC &gt; CG+G+S AND S+SC &lt; 65%</td> <td>Gravel Soil (GS)</td> </tr> <tr> <td>S+SC ≥ 65%</td> <td>Sand-Silt-Clay (SSC)</td> </tr> </tbody> </table>	Fraction Type	Fraction Definition	% Coarse Gravel (CG)	> 20 mm	% Gravel (G)	P20 – 2.00 mm	% Sand (S)	P2.00 – 0.075 mm	% Silt and/or Clay (SC)	< 0.075 mm	Fraction-based Material Type Rule		Outcome		CG+G+S ≥ G+S+SC AND visual/profile confirms crushed stone	Crushed Stone (CS)	CG+G+S ≥ G+S+SC	Natural Gravel (NG)	G+S+SC > CG+G+S AND S+SC < 65%	Gravel Soil (GS)	S+SC ≥ 65%	Sand-Silt-Clay (SSC)																
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Appendix B: Test Method BSM1, Section 8.6 & 8.7, Example form Page 133 and Table B.1, Pages 132 - 134	August 2020	t updated to $\tau_{\frac{1}{2}}$ for half-life.																																						

<p>Appendix B: Test Method BSM5, Table B.15, Page 167</p>	<p>August 2020</p>	<p>Incorrect table replaced with corrected table.</p> <p><b>Table B.15. Critical Outlier Value Versus Number of Samples</b></p> <table border="1" data-bbox="763 261 1574 434"> <thead> <tr> <th data-bbox="763 261 1167 300">Number of specimens</th> <th data-bbox="1167 261 1574 300">Critical outlier value</th> </tr> <tr> <th data-bbox="763 300 1167 331">n</th> <th data-bbox="1167 300 1574 331">T<sub>o</sub></th> </tr> </thead> <tbody> <tr> <td data-bbox="763 331 1167 363">8</td> <td data-bbox="1167 331 1574 363">2.03</td> </tr> <tr> <td data-bbox="763 363 1167 395">9</td> <td data-bbox="1167 363 1574 395">2.11</td> </tr> <tr> <td data-bbox="763 395 1167 434">10</td> <td data-bbox="1167 395 1574 434">2.18</td> </tr> </tbody> </table> <p><i>Note: See SANS 3001-PR1, Annex B, Table B.6.</i></p>	Number of specimens	Critical outlier value	n	T <sub>o</sub>	8	2.03	9	2.11	10	2.18
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<p>Appendix B: Test Method BSM5 Paragraph 7.1.3 % 7.1.4, Page 168</p>	<p>August 2020</p>	<p>Paragraphs 7.1.3 and 7.1.4 replaced with this:</p> <p><b>7.1.3</b> When the potential value is an outlier, discard that value and repeat 7.1.2 using the amended data set (with only 9 values) to calculate new average and standard deviation values. If a second outlier is obtained, discard that value as well and repeat 7.1.2 using the amended data set (with only 8 values) to obtain new average and standard deviation values. If a third outlier is obtained, repeat or abandon the test.</p>										
<p>Appendix C: Pavement Number. Page 190 Step 5</p>	<p>July 2020</p>	<p>0 updated to Table C.3</p>										