Test method T164

Maximum dry density of cohesionless materials (by vibration)

OCTOBER 2012
### Revision Summary

<table>
<thead>
<tr>
<th>Ed/Rev Number</th>
<th>Clause Number</th>
<th>Description of Revision</th>
<th>Authorisation</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Reformatted and Revision Summary Added</td>
<td>D. Dash</td>
<td>May 1999</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Date on Test Method Revised to Agree with Date on Revision</td>
<td>D. Dash</td>
<td>Feb 2001</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Generally Revised- Title Changed</td>
<td>G. Donald</td>
<td>Nov 2007</td>
</tr>
<tr>
<td>Ed 2/ Rev 0</td>
<td>All</td>
<td>Reformatted RMS template</td>
<td>J Friedrich</td>
<td>October 2012</td>
</tr>
</tbody>
</table>

Note that Roads and Maritime Services is hereafter referred to as ‘RMS’.

The most recent revision to Test method T164 (other than minor editorial changes) are indicated by a vertical line in the margin as shown here.
Test method T164

Maximum dry density of cohesionless materials (by vibration)

1. Scope
This test method sets out the procedure to determine the maximum dry density of a cohesionless road construction material using vibratory compaction.

2. General
This Test Method is applicable for cohesionless material such as sand or coarse aggregate.

3. Apparatus, Preparation, Procedure and Calculations
The method is identical to AS 1289.5.5.1 except for the following amendments:
(a) Dry the sample to Constant Mass using the method for drying described in T120, T121 or T180
(b) Minimum dry density by pouring is not required

4. Reporting
Include the following data and results in the report:
(a) The method used to dry the sample to constant mass (i.e. T120, T121 or T180)
(b) The nominal mould size
(c) The maximum dry density, to the nearest 0.01 t/m³

NOTE: Where the result is to be used in subsequent calculations, report the MDD to the nearest 0.001 t/m³.
(d) Reference to this test method