

OBT002

## ECITB Mechanical Joint Integrity TMJI10 Dismantling, Assembling and Hand Torque Flanged Joints

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<b>Duration</b>	2 - 3 hrs
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<b>Target group</b>	Candidates who required complete a formal assessment of their job knowledge, skills and ability in each Mechanical Joint Integrity subject.
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<b>Prerequisites</b>	<p>New Workers only:</p> <ul style="list-style-type: none"><li>A) ECITB MJI Approved Course Certificate</li><li>B) Completed Work Based Task Assignment signed off by the supervisor (Completed within 12 months of the training course)</li></ul> <p>Experienced Workers:</p> <ul style="list-style-type: none"><li>A) Previous Certificate of Bolting training (where applicable)</li><li>B) Company Letter of Endorsement</li></ul> <p>Existing Workers:</p> <ul style="list-style-type: none"><li>A) Previous ECITB Certificate of Achievement</li><li>B) Company Letter of Endorsement (where applicable)</li></ul>
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<b>Objective</b>	To ensure a candidate has the skills, knowledge and ability to dismantle, inspect, prepare, assemble and secure 4 bolt and 8 bolt flanged joints.
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<b>Contents</b>	<p>Knowledge Test: The knowledge test requires an 80% pass rate and on successful completion of the knowledge test the candidate will proceed to a practical activity test against identified test criteria</p> <p>Practical Test The examiner must observe the candidate following the 7 activities below: **Note at least 1 connection must be a 4 bolt flanged joint, and at least 1 must be an 8 bolt flanged joint**</p> <ol style="list-style-type: none"><li>1. Prepare work areas for the dismantling, preparation and securing of flanged pipe joints</li><li>2. Prepare equipment for the dismantling, preparation and securing of flanged pipe joints</li><li>3. Prepare materials for the dismantling, preparation and securing of flanged pipe joints</li><li>4. Dismantle the flanged joints</li><li>5. Inspecting and reporting on condition of 3 flanges examples not part of the main test</li><li>6. Prepare, assemble check squareness of flange joints and secure flanged joints</li><li>7. Reinstate the work area after the preparation and securing of flanged pipe joints</li></ol> <p>The examiner must measure and check that the candidate has achieved:</p> <ul style="list-style-type: none"><li>• The accurate assembly and securing of the two flanges to within set tolerance</li></ul>
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<b>Exam</b>	On successful completion of both knowledge and practical, candidates will be awarded an ECITB approved certificate which is valid for 3 years
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