

## Table of contents

---

<b>Foreword</b> .....	<b>4</b>
<b>Introduction</b> .....	<b>5</b>
<b>1 Scope</b> .....	<b>6</b>
<b>2 Normative references</b> .....	<b>7</b>
<b>3 Terms, definitions and abbreviated terms</b> .....	<b>8</b>
3.1 Terms from other standards.....	8
3.2 Terms specific to the present standards .....	8
3.3 Abbreviated terms.....	9
3.4 Symbols.....	10
<b>4 General requirements</b> .....	<b>11</b>
4.1 Overview .....	11
4.2 Coordinate systems and unit system .....	11
4.3 Modelling requirements .....	12
4.4 Requirements for reduced models .....	12
<b>5 Model checks</b> .....	<b>14</b>
5.1 General.....	14
5.2 Model geometry checks for non reduced models .....	14
5.3 Elements topology checks for non reduced models .....	14
5.4 Rigid body motion checks for reduced and non reduced models .....	15
5.4.1 Overview .....	15
5.4.2 Rigid body motion mass matrix .....	15
5.4.3 Rigid body motion strain energy and residual forces check.....	15
5.5 Static analysis checks for reduced and non reduced models .....	16
5.6 Stress free thermo-elastic deformation check for non reduced models .....	17
5.7 Modal analysis checks.....	18
5.8 Reduced model versus non reduced model consistency checks.....	18
<b>6 Test – Analysis correlation</b> .....	<b>19</b>
6.1 Overview .....	19

6.2 Provisions.....	19
<b>Bibliography.....</b>	<b>20</b>