

# ISO 16369:2007-10 (E)

## Elevating work platforms - Mast-climbing work platforms

---

<b>Contents</b>		<b>Page</b>
Foreword .....		iv
Introduction .....		v
<b>1</b>	<b>Scope .....</b>	<b>1</b>
<b>2</b>	<b>Normative references .....</b>	<b>2</b>
<b>3</b>	<b>Terms and definitions .....</b>	<b>3</b>
<b>4</b>	<b>List of hazards .....</b>	<b>7</b>
<b>5</b>	<b>Safety requirements and/or measures .....</b>	<b>10</b>
<b>5.1</b>	<b>Structural and stability calculations .....</b>	<b>10</b>
<b>5.2</b>	<b>General requirements for machine, base frame, chassis and mast .....</b>	<b>18</b>
<b>5.3</b>	<b>Work platform .....</b>	<b>22</b>
<b>5.4</b>	<b>Drive systems for elevation .....</b>	<b>24</b>
<b>5.5</b>	<b>Means to prevent the work platform from falling with overspeed .....</b>	<b>29</b>
<b>5.6</b>	<b>Means for emergency lowering and raising the work platform .....</b>	<b>31</b>
<b>5.7</b>	<b>Overload/moment device .....</b>	<b>32</b>
<b>5.8</b>	<b>Electrical systems .....</b>	<b>33</b>
<b>5.9</b>	<b>Drive systems powered by internal combustion engine .....</b>	<b>34</b>
<b>5.10</b>	<b>Hydraulic system .....</b>	<b>35</b>
<b>5.11</b>	<b>Special requirements for safety devices depending on auxiliary circuits, and for overload/moment detection devices .....</b>	<b>36</b>
<b>5.12</b>	<b>Travel limit switches .....</b>	<b>36</b>
<b>5.13</b>	<b>Controls .....</b>	<b>36</b>
<b>6</b>	<b>Verification of safety requirements and/or measures for each new model of MCWP .....</b>	<b>37</b>
<b>6.1</b>	<b>Design check .....</b>	<b>37</b>
<b>6.2</b>	<b>Practical tests .....</b>	<b>37</b>
<b>7</b>	<b>Information to be provided .....</b>	<b>39</b>
<b>7.1</b>	<b>Instruction handbook .....</b>	<b>39</b>
<b>7.2</b>	<b>Marking .....</b>	<b>46</b>
<b>Annex A (informative) Structural calculations .....</b>		<b>47</b>
<b>Annex B (normative) Special requirements for multilevel work platforms .....</b>		<b>63</b>
<b>Annex C (normative) Requirements for electrical and electronic aspects for overload-detection devices .....</b>		<b>65</b>
<b>Bibliography .....</b>		<b>68</b>