

<b>Contents</b>		Page
<b>European foreword</b> .....		3
<b>Foreword</b> .....		4
<b>1</b>	<b>Scope</b> .....	5
<b>2</b>	<b>Normative references</b> .....	6
<b>3</b>	<b>Terms and definitions</b> .....	6
<b>4</b>	<b>Applicability</b> .....	7
<b>5</b>	<b>Business specifications for the long term archiving and retrieval of CAD mechanical 3D explicit geometry information</b> .....	7
<b>6</b>	<b>Essential information of explicit geometry</b> .....	10
<b>7</b>	<b>Definition of core model for an explicit geometry</b> .....	11
<b>8</b>	<b>Verification rules of explicit geometry</b> .....	11
<b>9</b>	<b>Validation rules of an explicit geometry</b> .....	16
<b>Annex A (informative) Description of use cases for long term archiving and retrieval of CAD 3D explicit geometry</b> .....		20
<b>Annex B (informative) Definition of explicit 3D shape as advanced boundary representation according ISO 10303-514</b> .....		26
<b>Annex C (informative) Definition of tessellated 3D shape according ISO 10303-42</b> .....		29
<b>Annex D (informative) Recommended verification rules level 1 and level 2</b> .....		32
<b>Annex E (informative) Illustration of qualification reports</b> .....		36
<b>Annex F (informative) Illustration of CAD 3D geometry validation properties</b> .....		37