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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 16656.513-2004

**Industrial automation systems and integration -- Product data
representation and exchange -- Part 513: Application
interpreted construct: Elementary boundary representation**

工业自动化系统与集成 产品数据表达与交换 第513部分：应用解释构造：基本边界表达

(English Translation)

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What this standard covers

This standard applies to the boundary representation model defines the basic interpretation of common resources. The following belong to GB/T 16656 scope of this standard: elementary_brep_shape_representation (basic shape boundary expression expression) definition. It is composed of one or more manifold_solid_brep (entity boundary manifold expression) expression consisting of each manifold_solid_brep are based on the basic geometric and topological complete explicit definition, applied to such B-rep (boundary expression entity model) surface definition of curves and surfaces without boundary geometry definition, B-rep model topology defined, 3D (three-dimensional) geometry, B-rep (boundary expression entity model), belong to the basic line or conic curve, elementary_surface (base curve), geometric transformations, polyline (polyline), without borders geometry, boundary geometric entities topological applications.

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