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

GB/T 19903.10-2006

**Industrial automation systems and integration -- Physical
device control -- Data model for computerized numerical
controllers -- Part 10: General process data**

工业自动化系统与集成 物理设备控制 计算机数值控制器用的数据模型 第10部分
： 通用工艺数据

(English Translation)

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What this standard covers

This standard provides all the processing equipment is usually needed for NC programming process data. Interface Description computer numerical controller and programming system (ie CAM system or workshop programming system) between the data elements.

Procedures used to establish numerical control programming system on this program includes geometry and process information. With GB/T 19903 of this part, and combined with process -specific part (ISO 14649-11, etc.), can describe this process. GB/T 19903 The Department is divided into sequential program execution (mainly sequential processing steps and associated machine functions) provides control structures. In GB/T 19903 of this section are defined in "maching_schema" contains the data type definitions. It is usually associated with different processes (such as milling, turning, grinding) related. Such as turning, non- milling technology with the characteristics of electrical discharge machining process such as described in the special section published in the future. For example: ISO 14649-12 turning technology with the introduction of features, ISO 14649-13 describes the characteristics of electrical discharge machining process used, ISO 14649-14 describes the outline of the process of cutting wood and glass with features. Processing modes include the definition of the workpiece, may be referenced several processes and contains a variety of features characteristic of the directory, foundation and operation of general executable object definition. Not included in this model is the geometric term or expression (which is from the GB/T 16656 universal resource references), and the technology-specific definition (which is defined in the other parts of GB/T 19903 's. GB/T this section 19903 is not alone applications.

Document data

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