

# P2730

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**Submitter Email:** [zhengjia@nifdc.org.cn](mailto:zhengjia@nifdc.org.cn)

**Type of Project:** New IEEE Standard

**PAR Request Date:** 26-Jan-2018

**PAR Approval Date:** 08-Mar-2018

**PAR Expiration Date:** 31-Dec-2022

**Status:** PAR for a New IEEE Standard

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**1.1 Project Number:** P2730

**1.2 Type of Document:** Standard

**1.3 Life Cycle:** Full Use

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**2.1 Title:** Standard for Classification, Terminologies, and Definitions of Medical Robots

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**3.1 Working Group:** Medical Robots Working Group (EMB/Stds Com/MRWG)

**Contact Information for Working Group Chair**

**Name:** Jia Zheng

**Email Address:** [zhengjia@nifdc.org.cn](mailto:zhengjia@nifdc.org.cn)

**Phone:** office phone

**Contact Information for Working Group Vice-Chair**

None

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**3.2 Sponsoring Society and Committee:** IEEE Engineering in Medicine and Biology Society/Standards Committee (EMB/Stds Com)

**Contact Information for Sponsor Chair**

**Name:** Carole Carey

**Email Address:** [c.carey@ieee.org](mailto:c.carey@ieee.org)

**Phone:** 301-776-9882

**Contact Information for Standards Representative**

None

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**4.1 Type of Ballot:** Entity

**4.2 Expected Date of submission of draft to the IEEE-SA for Initial Sponsor Ballot:** 01/2019

**4.3 Projected Completion Date for Submittal to RevCom**

**Note: Usual minimum time between initial sponsor ballot and submission to Revcom is 6 months.:** 08/2019

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**5.1 Approximate number of entities expected to be actively involved in the development of this project:** 8

**5.2 Scope:** The standard specifies the category, naming, and definition of medical robots.

**5.3 Is the completion of this standard dependent upon the completion of another standard:** No

**5.4 Purpose:** The purpose of this standard is to provide the industry a unified classification and definitions on medical robots that industry can leverage. Harmonization of these classification and definitions on medical robots promotes a common framework for the industry in the rapid development and deployment of medical robots the healthcare industry.

**5.5 Need for the Project:** The international medical robot industry has already begun. Universities, hospitals, enterprises and companies have ongoing work on the research and development of medical robots. The potential of medical robot market is great, and all the countries of the world pay great attention to its development. However, there is no unified definition for medical robots. The classification of medical robots is quite different, which hinders the development of medical robot industry. At present, there are no relevant technical standards for the classification of medical robots.

**5.6 Stakeholders for the Standard:** Manufacturers, Hospital Administrators, Doctors and Nurses, Biomedical Engineers, Robotic System Designers, and Researchers

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**Intellectual Property**

**6.1.a. Is the Sponsor aware of any copyright permissions needed for this project?:** No

**6.1.b. Is the Sponsor aware of possible registration activity related to this project?:** No

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**7.1 Are there other standards or projects with a similar scope?:** No

**7.2 Joint Development**

**Is it the intent to develop this document jointly with another organization?:** Yes

**Organization:** Chinese National Institutes for Food and Drug Control (NIFDC)

**Technical Committee Name:** Medical Robotics committee

**Technical Committee Number:**

**Contact Name:** Jia Zheng

**Phone:**

**Email:** [zhengjia@nifdc.org.cn](mailto:zhengjia@nifdc.org.cn)

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**8.1 Additional Explanatory Notes:**