

# P2730

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

**Type of Project:** Modify Existing Approved PAR

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

**PAR Approval Date:** 08-Feb-2019

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

**Status:** Modification to a Previously Approved PAR

**Root PAR:** P2730 **Approved on:** 08-Mar-2018

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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 Terms, Definitions, and Classification of Medical Electrical Equipment/Systems Employing Robotic Technology

**Changes in title:** Standard for ~~Classification~~Terms, ~~Terminologies~~Definitions, and ~~Definitions~~Classification of Medical ~~Robots~~Electrical Equipment/Systems Employing Robotic Technology

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**3.1 Working Group:** Medical Robots Working Group (EMB/Std 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/Std 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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**3.3 Joint Sponsor:** IEEE Robotics and Automation Society/Standing Committee for Standards (RAS/SC)

**Contact Information for Sponsor Chair**

**Name:** Craig Schlenoff

**Email Address:** [craig@schlenoff.com](mailto:craig@schlenoff.com)

**Phone:** 3019753456

**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:** 04/2019

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

**Note:** Usual minimum time between initial sponsor ballot and submission to Revcom is 6 months.: 10/2019

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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:** This standard specifies terms, definitions, and classification of medical electrical equipment/systems employing robotic technology (MEERT).

**Changes in scope:** ~~The~~This standard specifies ~~the category~~terms, ~~naming~~definitions, and ~~definition~~classification of medical ~~robots~~electrical equipment/systems employing robotic technology (MEERT).

**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 MEERT that industry can leverage. Harmonization of these classification and definitions on MEERT promotes a common framework for the industry in the rapid development and deployment of MEERT in the healthcare industry.

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

of ~~medical robots~~MEERT in the healthcare industry.

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

**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?:** No

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**8.1 Additional Explanatory Notes:** This standard will be developed in conjunction with NIFDC.

3.3 Added a RAS/SC Standing Committee for Standards as Joint Sponsor

2.1 Changed the Title to use term "medical electrical equipment/system employing robotic technology (MEERT)"

5.2 Modified the Scope in accordance with Title

5.4 Modified the Purpose in accordance with Title

5.5 Modified the Need for the Project in accordance with Title