

# **IEEE 7007 Ontological Standard for Ethically Driven Robotics and Automation Systems**

**SA Ballot**

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# **IEEE 7007 - Ontological Standard for Ethically Driven Robotics and Automation Systems**

**Purpose :** The standard establishes **a set of definitions and their relationships** that will enable the development of Robotics and Automation Systems in accordance with worldwide Ethics and Moral theories, with a particular emphasis on aligning the ethics and engineering communities to understand how to pragmatically design and implement these systems in unison.

## **Applications**

- a guide for teaching ethical design;
- a reference by policy makers and governments to draft AI related policies;
- a common vocabulary to enable the communication among government agencies and other professional bodies around the world;
- a framework to create systems that can act ethically; and
- a foundation for the elaboration of other ethical compliance standards.

## **Stakeholders**

Manufacturers, service and solution providers, equipment suppliers in the robotics and users.

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## Overview

MEC Submission : January, 4th

MEC Feedback : February, 10th

Legal Review Submission : ~ February, 10th

Legal Review Feedback : March, 4th

Legal Review 1st Resubmission : March, 10th

Legal Review 2nd Resubmission : April, 2nd

Request to initiate the Ballot : April, 12th

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P7007/D1, April 2021  
Draft Ontological Standard for Ethically Driven Robotics and Automation Systems

## P7007™/D1 Draft Ontological Standard for Ethically Driven Robotics and Automation Systems

Developed by the  
**Standing Committee for Standards Activities**  
of the  
**IEEE Robotics and Automation Society**

Approved <Date Approved>

**IEEE SA Standards Board**

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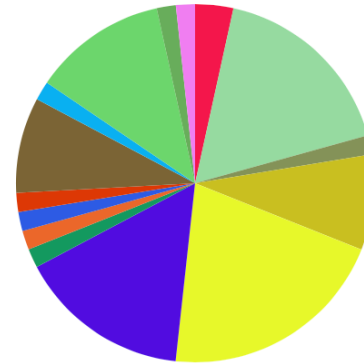
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Ballot Group : 58

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Abstentions must be below 30%

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Ballot from April, 12th to May, 13th

**Ballot Group Members** 58

Minimum should be 10

**Return Ballots:** (46) 79%



Minimum return rate is 75%

**Abstentions:**

Abstentions must be below 30%

**Approval Rate:**

Approval rate must be at least 75%



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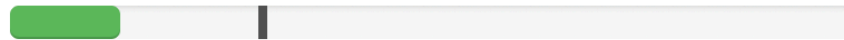
Minimum should be 10

**Return Ballots:** (46) 79%



Minimum return rate is 75%

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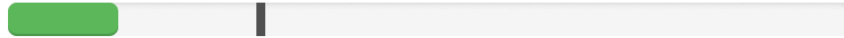
Minimum should be 10

**Return Ballots:** (46) 79%



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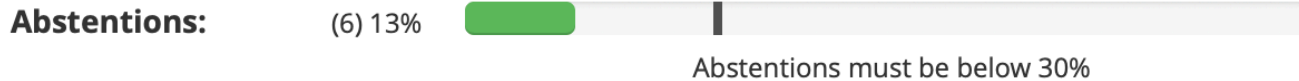
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