



# AMRA STANDARD

**AMRA-271:2022(en)**

Edition: 2  
2023-09-27

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## Mobile Robots - Common Communication Protocols

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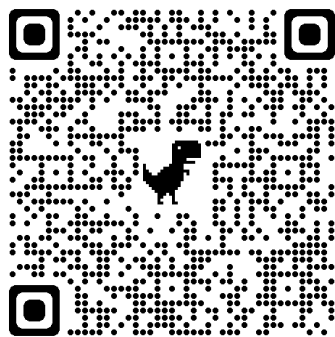
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# INTRODUCTION

This standard defined the communication message structure in an AMR system. In this edition of the standard, the communication between a mobile robot and a management system is defined at the presentation network layer. The content covered the communication related to common movement, mission, status report, elevator, and auto door commands. The purpose of this standard was to foster a thriving AMR industry ecosystem where various mobile robots, systems, and devices can be integrated together with ease. This standard was developed by the experts in AMRA working group #3 (WG3) based on consensus. The final standard was reviewed by the technical committee (TC) and approved by the board. The participants in the following list, sorted alphabetically, have made valuable contributions to this standard.

With comments about editorial issues from members after publication, ED2 of this standard was updated by the secretariat (SEC) and approved by the board.

## Board

Approved AMRA-271:2022(en)-ED2 on 2023-09-25

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Reviewed AMRA-271:2022(en) on 2022-10-31

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Formed the draft of AMRA-271:2022(en)

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