To ensure that every phase of the competition withstands both professional and market scrutiny, the Technical Advisory Board and the Expert Jury will each fulfill their respective roles, forming a complete closed loop from the formulation of technical rules to the evaluation of application value. Their specific responsibilities are as follows:

I. Responsibilities of the Technical Advisory Board

The Technical Advisory Board serves as the "architect" and "gatekeeper" of the competition, responsible for constructing the technical framework and ensuring its robustness and impartiality. Its primary responsibilities include:

1. Rule and standard formulation:

1.1 Participate in reviewing and finalizing the competition events, task scenarios, and technical difficulty levels.

1.2 Lead or review the detailed technical rules, scoring criteria (technical indicators), and safety operating procedures for each competition event.

1.3 Introduce cutting-edge technological perspectives into the competition to ensure the rules not only reflect the current industry's advanced standards but also demonstrate a forward-looking vision.

2. Technical consultation and arbitration:

2.1 Provide the organizing committee with professional recommendations on venue

setup (including navigation signage, lighting, and ground conditions) and competition flow design before the competition.

2.2 As the supreme technical arbitration body, be responsible for conducting professional analysis of technical disputes and rule objections raised by participating teams during and after the competition, and issuing final interpretations or rulings.

2.3 Provide emergency solutions for possible extreme situations or technical problems not covered by the rules.

3. Impartiality guarantee:

3.1 Review the configuration of the competition's basic software and hardware platform (if applicable) to ensure it does not create unfair barriers to specific technical approaches.

3.2 Monitor the entire competition process to prevent any form of technical cheating or rule exploitation.

4. The bridge between industry and technology:

After the event, contribute to compiling the technical white paper or industry trend report of the competition, summarizing the event's outcomes and insights from a technical perspective.

II. Responsibilities of the Expert Jury

The Expert Jury serves as both the "user jury" and "value judges" for the competition, tasked with evaluating the genuine value of technical solutions from the perspective of end-user applications. Its primary responsibilities include:

1. On-site review:

1.1 Based on predefined evaluation criteria (particularly applied metrics including operational efficiency, task completion quality, human-machine interaction fluency, and anomaly handling capabilities), conduct independent observation, documentation, and scoring of participating teams' performance during the competition.

1.2 The evaluation focuses on the stability, usability, safety, and scenario adaptability of robotic solutions.

2. Assess application value:

2.1 During the proposal review phase (if applicable), evaluate the accuracy, cost-effectiveness (ROI potential), and feasibility of the solutions from the end-user's perspective.

2.2 During the Q&A session, challenge teams with real-world business scenarios to assess the depth of their solutions and practical thinking.

3. Share professional insights:

3.1 After the review concludes, attend the review summary meeting to share observed industry trends, common technical shortcomings, and potential market demands,

providing valuable input from the demand side for the competition report.

3.2 As a user representative, provide actionable suggestions for future competition scenario design and evaluation metric optimization, ensuring the event better aligns with market needs.

4. Uphold the commitment to impartiality:

4.1 Conduct independent scoring strictly according to the evaluation criteria, free from any external interference.