

SCORING CRITERIA AND AWARDS

SCORING CRITERIA SUMMARY

- Potential impact on safety problem with social issue being addressed (30 points)
- Originality (20 points)
- Practicability of creating a functional vehicle demonstration (30 points)
- Supporting details, quality, technical depth (20 points)

Total points: 100

SCORING CRITERIA FOR REGIONAL AND INTERNATIONAL COMPETITION

Judges will view a presentation* of one specific functional autonomous driving scenario/algorithms/vehicle configuration in the morning(for 10-15min). And judges will evaluate the vehicle demonstration* in the afternoon based on the presentation. 10-15 minutes of each team presentation must be conducted in English by the team leader. Vehicle demonstration and the presentation must also include functional scenario that addresses the potential impact on future mobility safety problem with social issue in the urban traffic situation. Judges will award points based on five criteria:

1) Potential impact on safety problem being addressed (30 points)

- Did the team address a safety problem with social issue?
- Are conclusions presented clearly?
- What potential or expected effects will the system have on urban traffic safety with social issue?

2) Originality (20 points)

3) Functional vehicle presentation & demonstration (30 points)

- Did the team announce their autonomous driving system by presenting specific scenario/algorithm/vehicle configuration?
- How did the team show its technical effectiveness/algorithm(perception/decision/control) performance with proper metric?
- What are the results of the vehicle demonstration on the test-site?

** Each team is encouraged to include the following in their presentation:*

- Brief review of the 2022 October competition in KATRI (encountered technical issues and main reasons of them)

- How to improve performance of the autonomous vehicle for the following 2023 KATRI competition from the lessons of review above.

4) Oral presentation (10 points)

5) Supporting details, quality, thoroughness, technical depth (20 points)

Total points: 100