Drone Classification and Elicitation of Mission Models for the Identification of Hazards in Drone Operation.

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- **Abstract:** With the recent rapid growth of the global drone market and the increase in the spread of drones, safety accidents are also on the rise. However, there is still a lack of systems in Korea related to ensuring safety and liability for damage in drone operation. In order to define the drone classification that meets user operational needs, this paper investigates the trends and characteristics of the drone classification of advanced countries, and contrasts the problem of domestic drone classification, which is unclear. In addition, in order to set the minimum safety and indicators for drone operation, it sets a representative mission model based on the mission of the drone use project with high actual demand for operation, and defines the operation concept and operation scenario to analyze its risk factors.