

# Toward Realization of Image-based Emergency Automatic Reporting System (Type 2 D-Call Net)

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**KEY WORDS: Safety, Advanced automatic collision notification, Drive recorder, Event data recorder, Doctor helicopter/car, Abbreviated injury scale, Injury prediction [C1]**

Helicopter Emergency Medical Service Network (HEM-Net) has built an emergency automatic reporting system called D-Call Net so that prompt reporting of traffic accidents to fire departments and hospitals leads to early dispatch of doctor helicopters. HEM-Net will conduct research and development so that existing vehicles can use D-Call Net through an automatic reporting service using drive recorders of non-life insurance companies, aiming for test operation in FISCAL 2022 and full-scale operation in FISCAL 2023.

HEM-Net has been promoting the spread of D-Call Net, an innovative technology that automates the notification of doctor helicopter dispatch requests in order to reduce the lifesaving and sequelae of traffic accident injuries. Type 1 D-Call Net using Event Data Recorder is installed sequentially in new vehicles and has spread to about 3 million units in September 2021, but the problems so far are mounting on in-use vehicles and responding to traffic vulnerable people.

About 1.2 million automatic retrofit accident notification services using drive recorders with communication functions have already spread in September 2021. If the function will be improved and it will be a platform of the second type D-Call Net, not only can it utilized to in-use vehicles, but also because the image is used, not only the car in charge but also the other vehicles and the traffic vulnerable people involved can be accurately reported.

Type 2 D-Call Net proposes a set of keywords newly researched and developed from the verification results in order to give information to fire departments and doctor helicopter base hospitals more specific, since the call center operator who "witnessed" the images reports doctor helicopter dispatch requests.

As a roadmap, we plan to test operation in FISCAL 2022 and full-scale operation nationwide from FISCAL 2023.

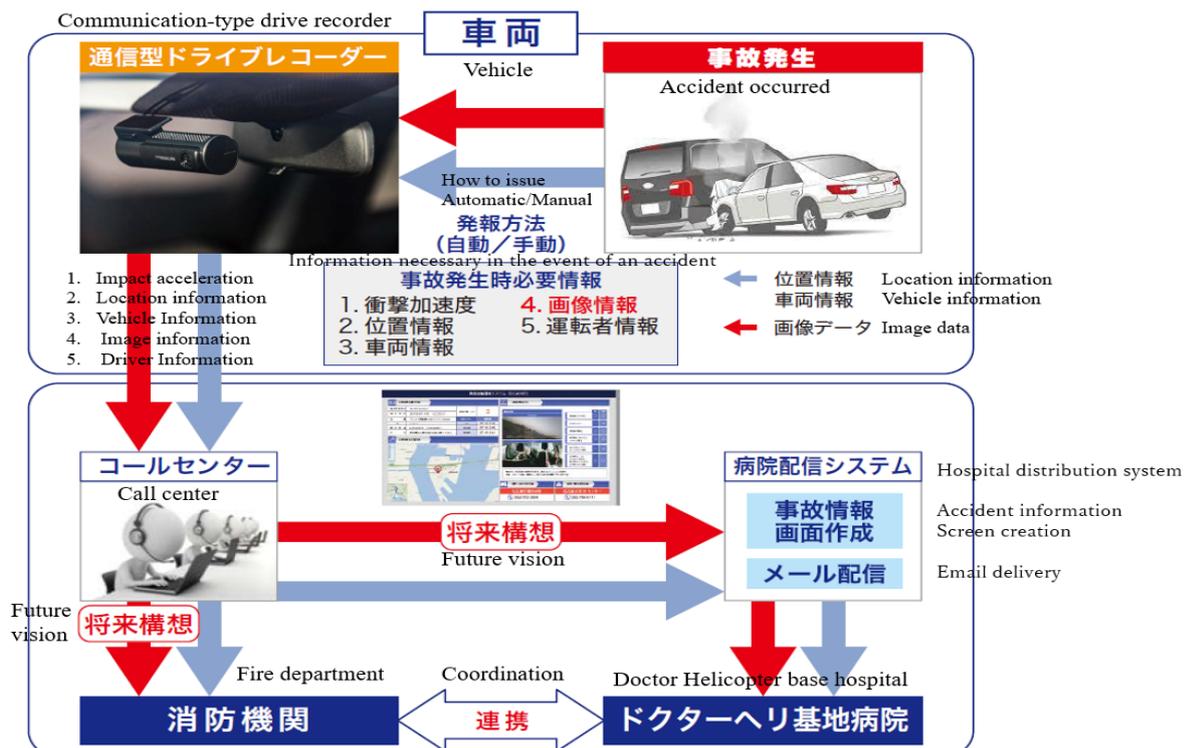


Fig.1 Flow Chart of Type 2 D-Call Net