

# POSSIBILITIES OF APPLYING THE HALI SYSTEM TO EVA WARNINGS

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- HALI is a nationally recognized traffic light pre-emption system for emergency vehicles.
  - HALI is based on satellite positioning of emergency vehicles and shortens the response times of emergency vehicles in traffic lights and improves safety
  - The device installed in the emergency vehicles transmits the priority request to the traffic light device via the server
- EVA (Emergency vehicle approaching) is one of the C-ITS Day 1 applications.
  - The driver has time to react to a passing emergency vehicle, reducing the risk of an accident and shortening the response times of alarmed units by streamlining traffic.
  - There is no separate technical definition for the EVA warning concept



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- EVA warnings were seen mainly as a welcome application
- Technically simple to implement if the vehicles are equipped with HALI-equipment
  - Data source exist already, therefore open interface and possible filtering system is the only thing required
  - Not all emergency vehicles in the HALI area may be equipped with the necessary equipment, in which case these vehicles cannot send EVA warnings.
- Sharing the location information of the emergency vehicles was seen as a major challenge. The proposed implementations were not seen realistic.
- Sharing the location information of emergency vehicles was not seen possible due to two major reasons:
  - Possibility to share information from which can be inferred identifiable personal data (for example address information of the target and employees of the emergency vehicle)
  - Review of officials' activities (possibility to collect various information, eg. response times and mapping of vehicle locations)