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| Input contribution  Use case | |
| Use Case Title:\* | Use case for Special vehicle priority pass |
| Group Name:\* | TP#24 |
| Source:\* | CMCC |
| Contact: | Yawen Niu ([niuyawen@chinamobile.com](mailto:niuyawen@chinamobile.com)) |
| Date:\* | 2016-7-18 |
| Abstract:\* | Propose to add the use case for Special vehicle priority pass for urgent cases. |
| Agenda Item:\* |  |
| Work item(s): |  |
| Document(s)  Impacted\* | Technical Specification TR 0026 – Vehicular Domain Enablement Technical Report |
| Intended purpose of  document:\* | Decision  Discussion  Information  Other <specify> |
| Decision requested or recommendation:\* | Approval of the Use Case |

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* 1. **Title**

Special vehicle priority pass.

* 1. **Description**

In some urgent cases, special vehicles (such as ambulance) need priority pass to save time, especially in a road with heavy traffic. In this case, if the vehicle service centre can make a real-time passing plan for related vehicles and traffic lights, it will help special vehicles to save time a lot.

* 1. **Source**

CMCC

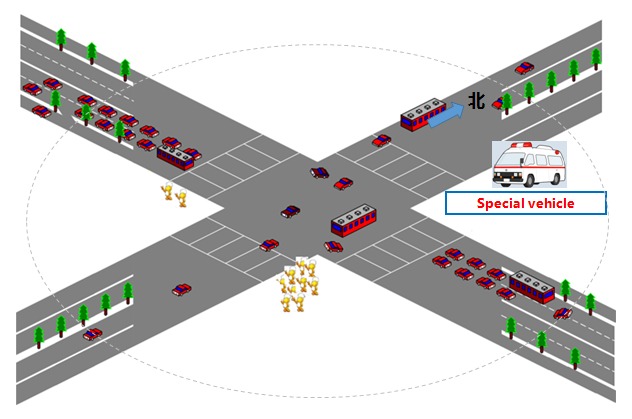
* 1. **Actors**
* Vehicles (M2M Devices embedded in vehicles)
* Traffic lights (M2M Devices embedded in traffic lights).
* Vehicle Service Centre
  1. **Pre-conditions**
  2. **Triggers**

1. The special vehicle sends the priority passing request to Service Centre.
   1. **Normal Flow**

* Vehicles (including special vehicles) report data (such as location, speed, direction…) to vehicle service centre.
* Special vehicle sends the priority pass request to the vehicle service centre
* Vehicle service centre verify the request
* Vehicle service centre analyzes and make a priority passing plan
* Vehicle service centre sends the priority plan to related vehicles and traffic lights
  1. **Post-conditions** (if any)

NONE.

* 1. **High Level Illustration (**as applicable)



* 1. **Potential requirements (as applicable)**
* The M2M service platform can identify the urgent vehicles and verify the request
* The M2M service platform can identify the related devices (for example, the vehicles, traffic lights around, and the road information)
* The M2M service platform can analyze the data and make a priority passing plan for all related M2M devices
* The M2M service platform can send the plan to all related M2M devices (vehicles, traffic lights…)
* The M2M service platform can real-time adjust the plan