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| APTlogogreen3 | **ASIA-PACIFIC TELECOMMUNITY** | |
| **The 25th APT Standardization Program Forum**  **(ASTAP-25)** | **Document:**  **ASTAP-25/OUT-03** |
| 02 – 06 March 2015, Bangkok, Thailand | **06 March 2015** |

WG PSC

DRAFT QUESTIONNAIRE ON THE USE-CASES FOR   
“THE DISASTER INFORMATION AND COMMUNICATION SYSTEM USING VEHICLES”

# Section 1: Elementary Part

## 1.Introduction (Background)

Based on lessons learned at earthquakes and tsunami attacks in Asia Pacific nations, there have been major efforts to find solutions to quickly build information and communication infrastructure in disaster area. Especially vehicles have increasing attentions in terms of follows:

1. Physical shelter capability (wind, rain, wild life and more.)

2. Electric power source (gas, power generator (dynamo) and battery)

3. Radio communication capability

Such infrastructure well responsive to natural disasters could also be essential to Asia Pacific nations. It is important to open the discussion and harness ideas in order to formulate best solutions. In the meeting of EG-BSG of ASTAP-25 (March 2015), “PROPOSAL OF STANDARD FRAMEWORK FOR DISASTER INFORMATION AND COMMUNICATION SYSTEM USING VEHICLE AS COMMUNICATION HUB” (ASTAP-25/INP-30) was introduced. It proposed the followings;

Proposal:

1. Please suggest use cases using vehicle in disaster regarding your country’s cases.  
Above all, please contact us if you are interested! We greatly welcome your contact and would like to know each other. That is very important. The goal is to collect use cases until 30th May, 2015. You will find a template and our samples of use case in the attached document. Use cases may include, and not limited to, follows: finding survivors, calling for help, reporting information to professionals, tweeting among people and relevance. Any of ideas would be welcomed!

2. The participants formulate “use cases standard” after collect some use-cases.

<...>

The questionnaire is requesting ASTAP members to input your use cases in order to build “Use Case Standard”.

## 2. Objective of the Questionnaire:

EG-BSG requests ASTAP members of filling out the questionnaire enclosed in order to collect use cases about vehicles as communication hub during disaster widely from all Asia-Pacific nations. Based on collected use cases, the group identifies requirements and build "Use Case Standard" as ASTAP recommendation.

For instance, the use case may contain an ambulance system capable to communicate in disaster area, passenger vehicle equipped with info/comm system for safety confirmation among evacuation sites.

The request is not limited to use cases in actual practices. Very early ideas could also be submitted for further refinements.

## 3. Responsible Group:

Expert Group on Bridging the Standardization Gap (EG-BSG)

## 4. Rapporteur of the Questionnaire:

|  |  |  |
| --- | --- | --- |
| Mr. Yasubumi Chimura | [chimura730@oki.com](mailto:chimura730@oki.com) | TTC |
| Mr. Ryokichi Onishi | [onishi@s.ttc.or.jp](mailto:onishi@s.ttc.or.jp) | TTC |
| Mr. Masatoshi Mano | [mano@ttc.or.jp](mailto:mano@ttc.or.jp) | TTC |

## Meeting at which the Questionnaire was approved:

EG-BSG

## Target Responder:

APT Members/Associate Members/Affiliate Members

## Deadline for Responses:

30th May, 2015

# Section 2: Questionnaire Part

Refer to ANNEX 1

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# Use Case Suggestion

## 1. Primary Contact Information

|  |  |  |  |
| --- | --- | --- | --- |
| **Date** |  | **Country** |  |
| **Organization** |  | **Name** |  |
| **Email** |  | **Telephone** |  |

## 2. Use Case Information

|  |  |
| --- | --- |
| **Title** |  |
| **Abstract** |  |

**Details (optional)**

|  |  |
| --- | --- |
| **Assumptions** |  |
| **Procedures** |  |
| **Results** |  |
| **Issues** |  |

## 3. Big picture

Please attach image(s) best describing your idea(s) such as diagrams, pictures, flow charts, architectures or relevance.

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# [SAMPLE] Use Case Suggestion

## 1. Primary Contact Information

|  |  |  |  |
| --- | --- | --- | --- |
| **Date** | 4 March, 2015 | **Country** | Japan |
| **Organization** | TTC | **Name** | Ryokichi Onishi |
| **Email** | onishi@s.ttc.or.jp | **Telephone** | +81-3-5561-8276 |

## 2. Use Case Information

|  |  |
| --- | --- |
| **Title** | Vehicle Message Delivery |
| **Abstract** | People post/get messages to/from vehicles |

## Details (optional)

|  |  |
| --- | --- |
| **Assumptions** | * Vehicles have web server, storage and WLAN access point. * User devices (Smart phones, PCs and etc.) have web client and WLAN station. |
| **Procedures** | 1. People connect their devices to a vehicle over WLAN. 2. People access to the website locally hosted in the vehicle. 3. People post/get messages to/from the vehicle over the website. |
| **Results** | Vehicles deliver messages among people. |
| **Issues** | Automatic connection between the vehicle and the user device.  No end user pre-installation expected (except for professional use) |

## 3. Big picture

Please attach image(s) best describing your idea(s) such as diagrams, pictures, flow charts, architectures or relevance.



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