Why PPDR is important to Transport Information and Control Systems (TICS)

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ITS (or TICS)

◆ Intelligent Transportation Systems employ the power of <u>existing</u> and emerging advanced information, telecommunications, electronics, and other technologies to solve surface transportation problems

ITS MISSION

◆ The Universally Accepted Mission and Goal of ITS is:

"ITS is a set of technologies and applications dedicated to **Saving Lives**, Time and Money, and improving the Quality of **Life."**

ITS User Services

The Deployment of the ITS Network is based on a Set of User Services and Requirement grouped in the following categories:

1   Travel and Transportation Management
2   Travel Demand Management
3   Public Transportation Operations
4   Electronic Payment
5   Commercial Vehicle Operations
6   **Emergency Management**
7   **Advanced Vehicle Control and Safety Systems**

Emergency Management

The Emergency Management User Service includes, for example:

◆ **Traffic/Highway Incident Management**
◆ **Hazardous Material Clean-Up Operations**
◆ **Emergency Notification and Personal Security**
◆ **Emergency Vehicle Management and Response**
◆ **Work Zone Safety Operations**
◆ **Emergency Video Relay**
◆ **Hurricane (or any large scale) Evacuation**

Advanced Vehicle Safety Systems

Advanced Vehicle Safety Systems include, for example:

- **Automatic Collision Notification (ACN) systems**
- **Crash Detection**

ITS Public Safety Program . . .

- Law Enforcement
- Emergency Medical Services
- Fire/HAZMAT
- Emergency Communications
- Traffic Management
- Public Works

ITS Public Safety Programs

A number of countries or regions have initiated an ITS Public Safety Program:

- In North America, "ITS Public Safety Program"
- In Europe, "e-Safety" under the auspices of the European Commission
  - Most Recent Conference in Lyon (France), Sept 16-18, 2002
- In Japan, active participation of the National Police Agency (NPA) in ITS deployment

ITS Public Safety Program

◆ **Scope**
  – Full spectrum of transportation-related incidents -- from disabled motor vehicles to large scale HAZMAT incidents.
  – **Integration of ITS Technologies into Public Safety**.

◆ **Approach**
  – Conduct joint outreach activities with Public Safety stakeholders
  – Demonstrate interoperable procedures and technologies for Public Safety and transportation operations.

◆ **On-Going Deployments and Activities**
  – Integrated Traffic Incident Management
    ↖ Mobile data communications
    ↖ Emergency Video Relay
    ↖ Hazmat/Large Scale Clean-Up Operations
  – Mayday/crash notification

Relationship Between PPDR and ITS

◆ The ITS Community Views Itself as a Major **<u>User Group</u>** that would benefit from the Public Protection aspects of PPDR and the eventual deployment of PPDR

  – ITS User Requirements are being incorporated in various PPDR-related standards efforts

◆ In terms of **"Saving Lives,"** the Universal Missions of PPDR and ITS are Compatible

◆ ITS and PPDR have a Wide Range of Cross-Cutting Applications

  – The Deployment of Such Applications May Be Accelerated through the Harmonization of PPDR **<u>and</u>** Interoperability

How to Get Involved

- **ITU - WP8A (Working Group 2 on TICS)**
- **ISO/TC 204 (TICS)**
- **CEN/TC 278 (RTTS)**
- **ETSI, TIA, APT (ASTAP), ARIB, IEEE, ..**
- **ITS Organizations: ITS Canada, Ertico (ITS Europe), ITS Japan, ITS Korea, ITS France, ITS Focus (UK), ITS Australia, India, Singapore, Sweden, Brazil, ...**