

Proposal of ITS-AP Database
Concept Paper to AP-BOD

2007.8.13 ITS Japan

1 Objectives

Utilizing of the ITS related materials relating to AP will be useful and effective for the AP members to promote ITS in each country/region.

So, the ITS related materials of AP will be classified and housed as Database of AP. The ITS AP member can access and share the ITS Database.

The Database will also contribute to exploring the common issues for the future collaboration by the AP members.

2 Outline of ITS Database of AP

- (1) The proposed ITS Database will have a matrix structure of “category, area and measures” vs. “country/region” as shown in the attached sheet.
- (2) There are two types of measures, the countable measures would cover numeric information such as number of vehicles, and the uncountable measures would cover abstract information such as national plans.
- (3) For the uncountable measures, we need some methods. (ex. Classification into several levels based on some criteria)
- (4) The status summary includes the current status, trend, major topics, etc for each area.

3 How to develop the ITS Database of AP

3-1 Retrieval of the related materials

In order to develop the Database, ITS Japan will retrieve the related materials from presentations and papers at AP Forums and ITS World Congresses, and information via the Internet.

3-2 Request for information to AP members

ITS Japan will request the necessary information for the Database after completing the above work. The members of AP will provide the possible materials or data to ITS Japan as per request.

3-3 Utilization of collected materials

The collected materials will be used for developing the Database, which will be managed in the server of ITS Japan. The AP members can access by each username and password the Database as fee of charge.

The Database is also utilized when the AP members want to seek particular materials for their interest. For the purpose, the collected materials will have several keys, so that the AP member can search for desired materials. The examples of the keys are as follows;

- ① County/region (14)

Australia, China, Chinese Taipei, Hong Kong-China, India, Indonesia, Japan, Korea, Malaysia, New Zealand, Philippines, Singapore, Thailand, Vietnam

② Category(9)

Basic Data, Traffic Situation, ITS Implementation, ITS Planning initiatives, ITS industry, Academia, promotional activity, organization, etc

③ Technology (7)

Image Processing, Floating Car Data, Security, Data Fusion, HMI, Location Reference, Travel Time prediction, (Major areas are selected from the recent topics.), Others, Not applicable

4 Target conferences for the Database

4.1 The recent ITS AP Forum and ITS World Congress

- (1) 2005 AP Forum, India
- (2) 2006 AP Forum, Hong Kong, China
- (3) 2007 ITS World Congress, Beijing

4.1 Copyright

Need to get the permission of copyright issue from the organizers.

5 Schedule

5.1 1st phase (Oct.2007~Dec.2007)

Retrieve the necessary materials from ITS AP Forums, World Congresses and other sources.
(ITS Japan)

5.2 2nd phase (Jan.2008~Mar.2008)

- 5.2.1 Request for information to AP members (ITS Japan)
- 5.2.2 Provide the information to ITS Japan (AP member)
- 5.2.3 Classify and process the information for the Database (ITS Japan)

5.3 3rd phase (Mar.2008)

- 5.3.1 Update regularly
Update once a year with the latest information
- 5.3.2 Update when necessary
Update when there is important new information