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17th session, 18 September 2009,
agenda item 2.

ITS Informal Group Activities up to Now

September 18, 2009, Geneva

UNECE/WP29

ITS Informal Group/1st Adhoc Meeting

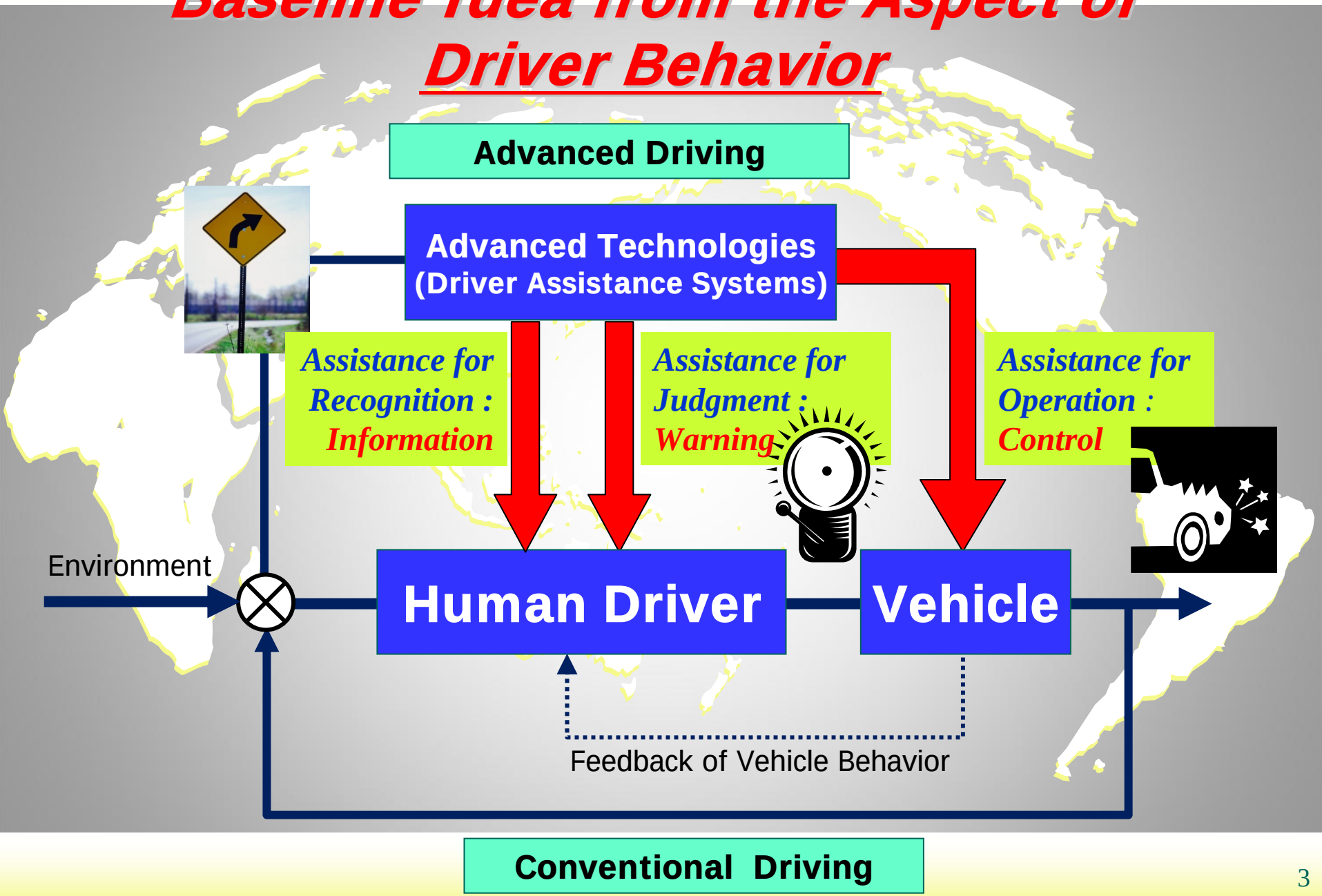
K. Hiramatsu & M. Shima, Japan

Activities up to 2007 :

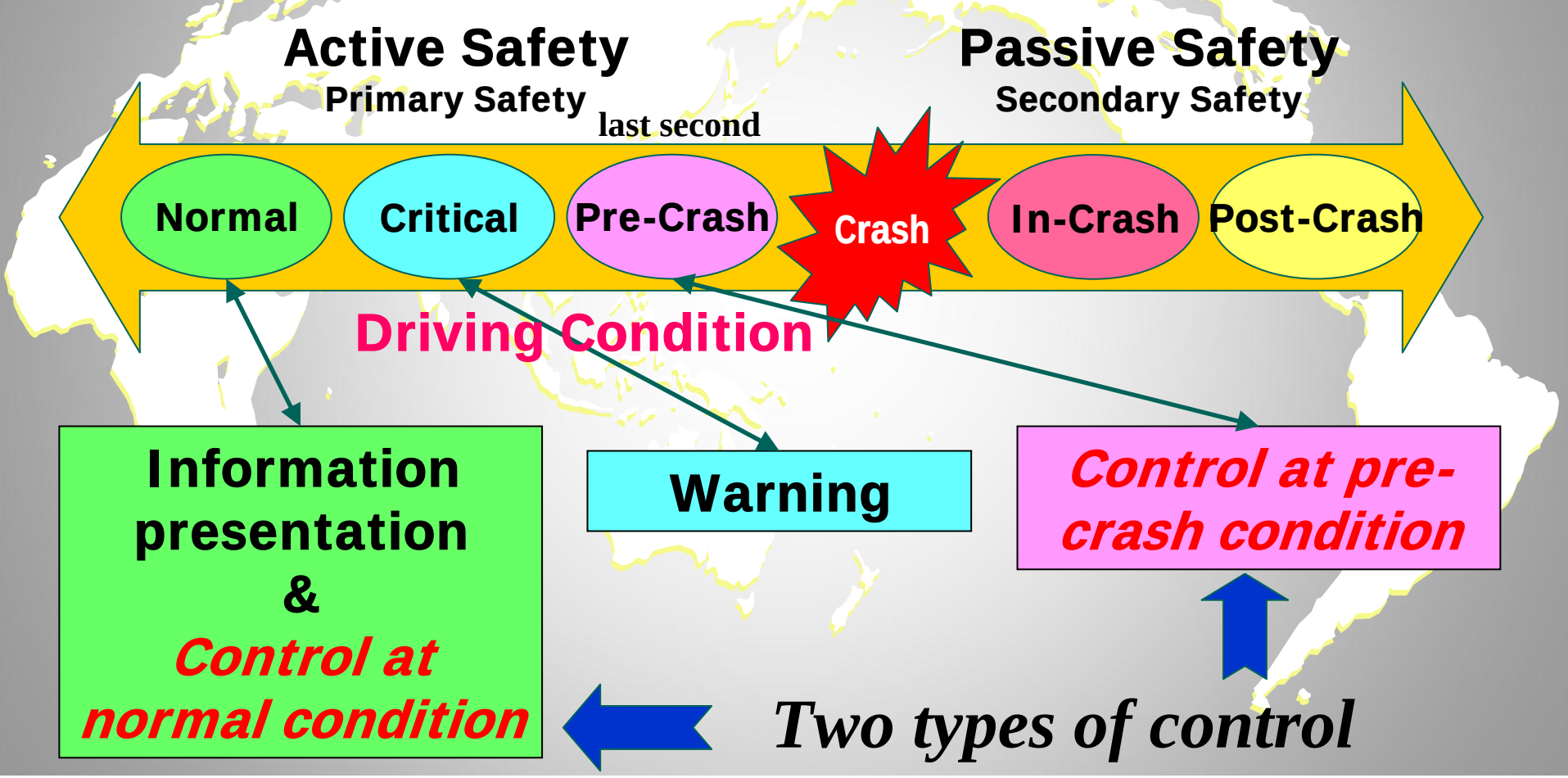
- **Established : June 2002**
- **ITC Round Table : February 2004**
  - **Agreed upon continuation of activity**
- **Approval of TOR : November 2004**
  - **To develop common understanding of driver assistance systems**
  - **To exchange of information on technology trend**
  - **To review activity in the second year to WP29**
- **Approval of Report of Two Years Activities : March 2007**

what were approved ・・・

Baseline Idea from the Aspect of Driver Behavior



Baseline Idea from the Aspect of Sequence of Driving Condition



Common Understanding through Exchange of Views :

Through exchange of views among IHRA-ITS WG, OICA, CLEPA, EU, ASV, we have reached ;

- **<Information>**
  Self-commitment basis guidelines for information presentation systems are seen in ESoP in Europe, AAM Guideline in North America, and JAMA Guideline in Japan.
- **<Warning>**
  No rules or guidelines are seen for warning at the moment, and proposal to guide warning systems are expected.
- **<Control>**
  In normal driving condition, the idea of "Driver in the Loop" can be a good base for common understanding.

Treatment of In-Vehicle ITS Technologies :

- **Information :**
  - **To keep monitoring the situation of self-commitment basis guidelines in each region for a time being**
- **Warning :**
  - **To maintain its cooperation with IHRA-ITS WG for getting the way to treat warning systems including HMI aspect.**
  - **To explore one mechanism for assessing regulatory requirements by involving GRs.**

- **Control :**

  To have following understanding as a base for future consideration

  - **Systems should be designed in which driver is always held responsible for his/her driving. For this purpose followings are effective.**
    - **Installation of auditory or visual announcement devices providing information on the system functioning**
  - **Control systems activated under normal driving condition should be designed based on "Driver in the loop", where driver should be involved in driving in a way or other. For this purpose followings are effective.**
    - **Announcement is made when the driving initiative is transferred from system to driver.**
    - **Driver is kept involved in driving operation. For example, starting initiative should not be given to system.**
    - **System allows switching on or off by driver**
    - **System allows overriding by driver**
  - **As for Control systems to reduce collision speed activated under pre-crash condition where collision is no longer avoidable, there is no room for necessity of overriding and driver is not very likely to depend on system.**

Role of ITS Informal Group :

- **Endurance :**
  - **It is preferable to maintain ITS Informal Group and to conduct its meeting about once a year, in particular studies on HMI through cooperation with IHRA-ITS WG.**
- **Tasks in the future :**
  - **For fields not covering by existing GRs or on subjects requiring strategic examination**
  - **For deem at WP29 or GRs, or items across GRs for overall management**
  - **For citation of rule making by member country of WP29**

Involving Groups of Experts for "Warning" :

- **Compatibility :**

– **One mechanism to avoid difficulties in the future will be to confirm that all new regulatory requirements are assessed against ECE regulation [No121 dealing with Controls and Displays] and the respective best practice guidance on HMI .**

- **Mechanism :**

– **Chairmen of the working groups may also consider it good practice to submit draft regulatory proposals to the Group of experts on General Safety for a validation check prior to WP29. Alternatively, WP29 might ask the chairmen to confirm that texts comply with the regulation.**

Activities in 2007 & 2008:

- **Report on Special Session regarding WP29/ITS Informal Group in ITS World Congress : October 2007**
- **Progress Report on Warning Principles from IHRA-ITS WG : November 2007**
- **Draft Final Report on Warning Principles from IHRA-ITS WG : November 2008**
  - **Agreed upon establishment of Adhoc Group to modify warning principles according to the framework of WP29**

what we obtain・・・