

Two Years Activities in WP29/ITS Informal Group

October 12, 2007
14th ITS World Congress in Beijing

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Outline :

- Activities up to now
- Information & exchange of views
 - Reports from IHRA-ITS WG
 - Reports from OICA, CLEPA, EU, ASV
- Aspects for treating In-Vehicle ITS for common understandings
- Proposal to WP29
 - Treatment of In-Vehicle ITS technologies
 - Role of ITS Informal Group
 - Involving the Groups of Experts (GRs)

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Activities up to now :

- Background :
 - Rapid growth of In-Vehicle ITS technologies
 - Necessity of appropriate consideration of safety for proper development and deployment
- 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

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Information & exchange of views :

- Reports from IHRA-ITS WG :
 - <Information presentation>
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, idea of “Driver in the Loop” can be a good base for common understanding.

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Information & exchange of views :

- Reports from OICA, CLEPA, EU, ASV :
 - Through Lane Departure Warning System as an example, necessity of harmonization for warning system was implied.
 - Effectiveness of CMBS and advanced air-bag system in pre-crash driving condition based on new sensing systems were illustrated.
 - Development and deployment of in-vehicle ITS systems and impediment of its penetration was discussed.
 - Collision Mitigation Braking System in pre-crash driving condition was explained.

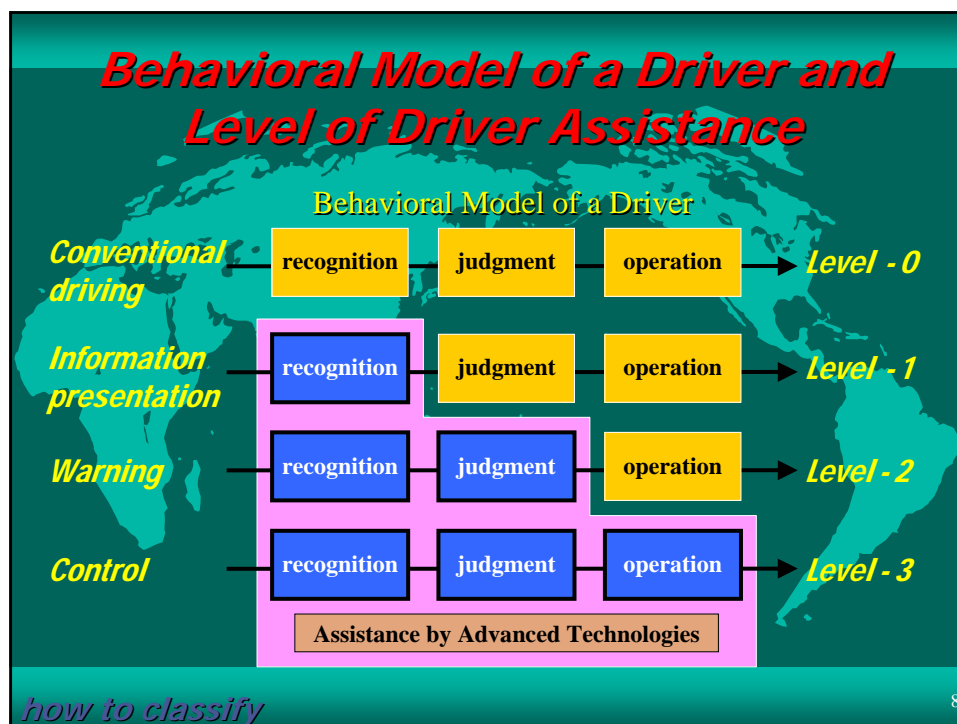
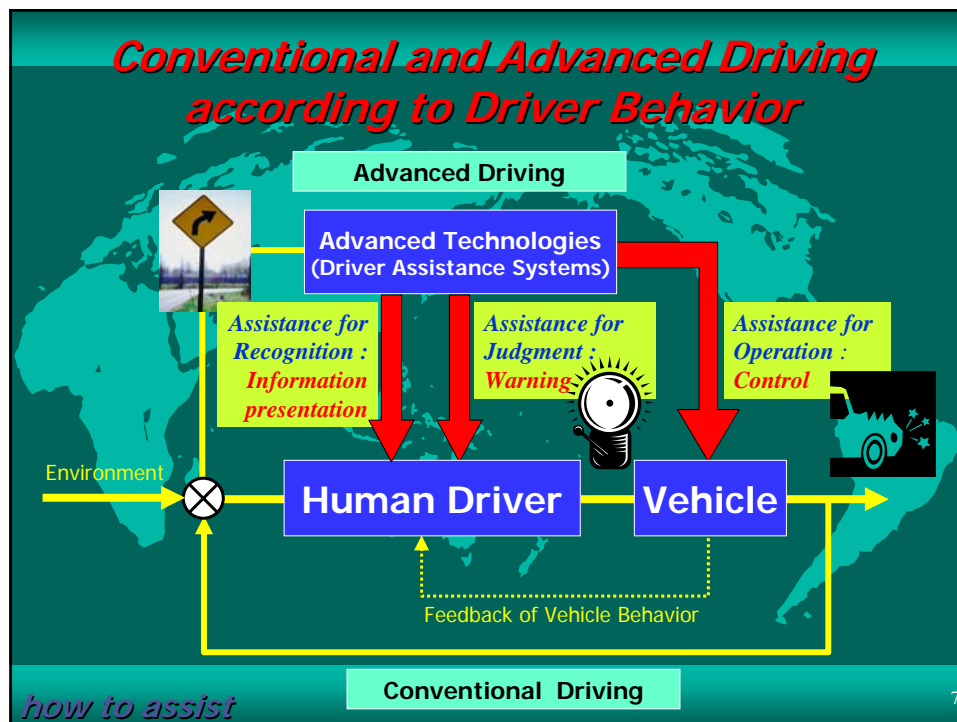
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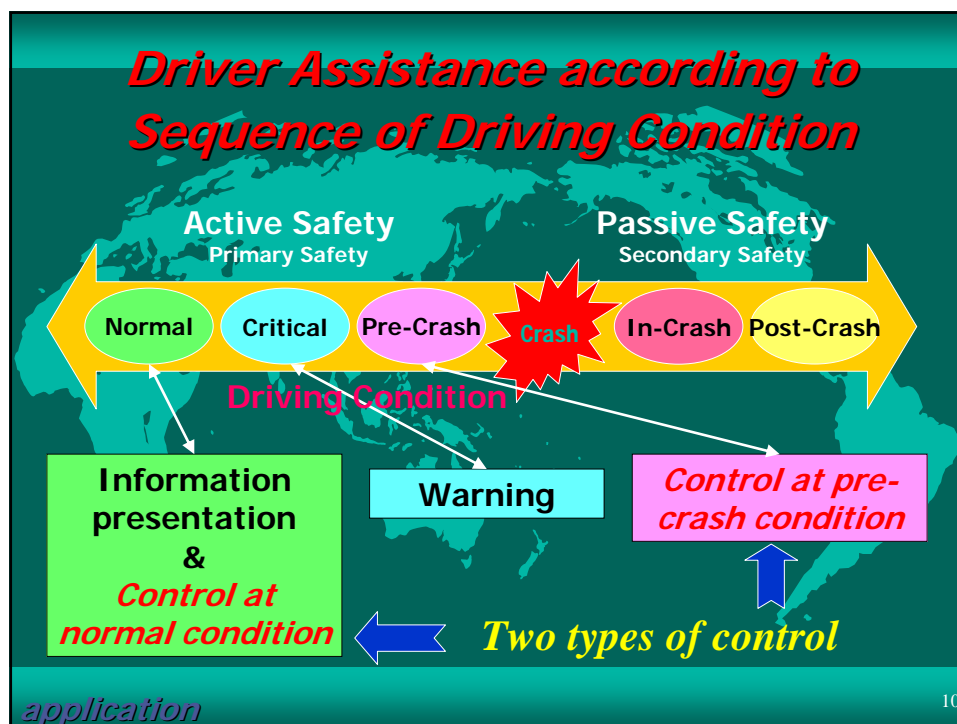
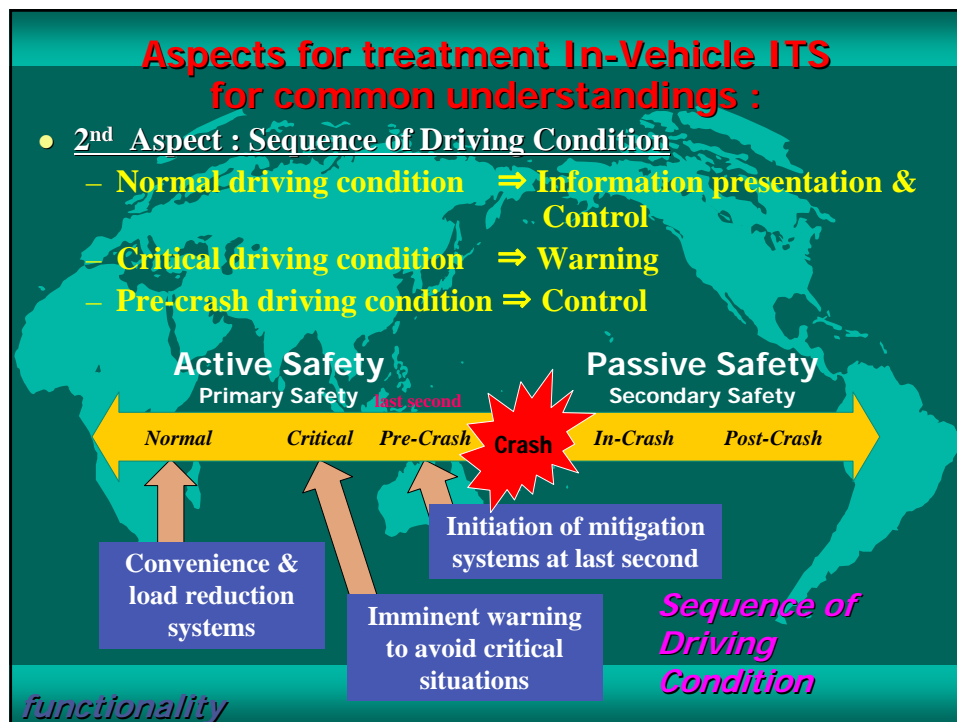
Aspects for treating In-Vehicle ITS for common understanding :

- 1st Aspect : Driver Behavior
 - Recognition assistance ⇒ Information presentation
 - Judgment assistance ⇒ Warning
 - Operation assistance ⇒ Control



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< Proposal to WP29 >

Treatment of In-Vehicle ITS technologies:

- Information presentation :
 - 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.

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Continued :

- 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.
 - 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.
 - As for control systems to reduce collision speed activated under pre-crash condition where collision is no longer avoidable, there is no time for necessity of overriding and driver is not very likely to depend on system.

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< Proposal to WP29 >

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

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< Proposal to WP29 >

Involving Groups of Experts for "Warning"

- 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 .
- 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.

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Thank you for your attention !

謝々大家