Informal Working Group on Deployable Pedestrian Protection Systems (IWG-DPPS)

OICA Proposal: Decision on Deployed Testing of DPPS
(Task 30 of the IWG Task List)

30 August 2018
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Motivation of Proposal

• In the 1st IWG-DPPS meeting in April 2018, it was discussed how to handle vehicles with deployable devices if in the pre-face of the very approval tests some of the pre-requisites are not met

• The pre-requisites are under discussion and cover for example:
  - Generals system information requirements
  - Head Impact Time
  - Protection at speed below the deployment threshold

• In case the pre-requisites are not met, a fallback solution was asked for by the expert of Korea

• As pass or fail of type approval/self-certification are based on head performance requirements, the suggestion was to test the DPPS in the non-deployed position if the pre-requisites are not met
Flowchart

Manufacturers’ Information

Determination of:
• Protection at speed below the deployment threshold

Are the pre-requisites met?

Testing of the System with deployment of the DPPS in static or dynamic state as appropriate per WAD/HIT

Testing of the System without deployment of the DPPS

Head performance criteria met? (HIC 1/3 & 2/3 zone)

Certification of the System/Vehicle

No certification of the System/Vehicle
Summary

• In case the pre-requisites are not met, a fallback solution was asked for by the expert of Korea

• A decision tree was created to allow for simple and comparable decision processes globally

➢ The implementation details need to be finalized within the IWG-DPPS.