

IWG-DPPS

Comments on Korea Proposal for Draft Amendment

9th IWG-DPPS

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JAPAN AUTOMOBILE STANDARDS INTERNATIONALIZATION CENTER

Korea Proposal for Overall Structure of Amendment

<The present amendment>	<A proposal amendment>
<p style="text-align: center;"><u>Annex 1.</u> <u>TEST PROCEDURE FOR DEPLOYABLE PEDESTRIAN PROTECTION SYSTEMS (DPPS)</u></p> <p>0. manufacturer submission data a) the system specification b) the HIT information, TRT(ST+DT) information</p> <p>1. Requirement for Deployed Position</p> <p>2. Activation Test to Certify Sensing Area</p> <p>3. Test at the Lowest Speed of Activation</p> <p>4. Determination of Headform Test Procedure</p> <p>5. Static Headform Test Procedure</p> <p>6. Dynamic Headform Test Procedure</p> <p>7. Test Procedure to Measure the Sensor Time(ST)</p> <p>8. Simulation model</p>	<p style="text-align: center;"><u>Annex 1.</u> <u>TEST PROCEDURE FOR DEPLOYABLE PEDESTRIAN PROTECTION SYSTEMS (DPPS)</u></p> <p>0. manufacturer submission data a) the system specification b) the HIT information > According to Annex 2. c) TRT(ST+DT) information</p> <p>1. Requirement for Deployed Position</p> <p>2. Verification test - TRT measurement test(ST+DT) - Activation Test to Certify Sensing Area - Activation Test at the Lowest speed</p> <p>3. Headform Test at the Lowest Speed</p> <p>4. Headform Test - Determination of headform test method (HIT vs TRT) - Static Headform Test Procedure - Dynamic Headform Test Procedure</p> <p style="text-align: center;"><u>Annex 2.</u> <u>HIT DETERMINATION PROCEDURE</u></p>

IWG-DPPS-7-05

Change of the overall structure was proposed in order to be more understandable than current structure

Comments on Korea Proposal for Overall Structure

<A proposal amendment>

Annex 1. TEST PROCEDURE FOR DEPLOYABLE PEDESTRIAN PROTECTION SYSTEMS (DPPS)

0. manufacturer submission data

- a) the system specification
- b) the HIT information > **According to Annex 2.**
- c) TRT(ST+DT) information

1. Requirement for Deployed Position

2. Verification test

- **TRT measurement test(ST+DT)**
- Activation Test to Certify Sensing Area
- Activation Test at the Lowest speed

3. Headform Test at the Lowest Speed

4. Headform Test

- **Determination of headform test method (HIT vs TRT)**
- Static Headform Test Procedure
- Dynamic Headform Test Procedure

Annex 2. HIT DETERMINATION PROCEDURE

● 2. Verification test

It is not verification but prerequisite

● 2.1. TRT measurement test (ST+DT)

TRT measurement is not prerequisite. It should be included in “4. Headform Test Procedure”

● 3. Headform Test at the Lowest Speed

There are possibilities that this would need a change of requirements of the regulation and would be out of scope of IWG. This should be discussed in IWG.

● Annex2. HIT Determination Procedure

Since Annex1 is test procedure for DPPS, all the contents should be described in Annex 1. (Annex 2 or later should be used for other topics)

JASIC Proposal for Overall Structure

Current Structure

Annex 1.
TEST PROCEDURE FOR DEPLOYABLE
PEDESTRIAN
PROTECTION SYSTEMS (DPPS)

0. manufacturer submission data
 - a) the system specification
 - b) the HIT information, TRT(ST+DT) information
1. Requirement for Deployed Position
2. Activation Test to Certify Sensing Area
3. Test at the Lowest Speed of Activation
4. Determination of Headform Test Procedure
5. Static Headform Test Procedure
6. Dynamic Headform Test Procedure
7. Test Procedure to Measure the Sensor Time(ST)
8. Simulation model



Proposed Structure

1. Manufacturer Submission Data
2. Requirement for Deployed Position
3. Prerequisite for Activation of DPPS
 1. Activation Test to Certify Sensing Area
 1. At 40km/h
 2. At Lowest Speed of Activation
 - (2. Headform test at the Lowest Speed of Activation)
4. Headform Test Procedure
 1. Test Procedure to Measure the Sensor Time (ST)
 2. Simulation Model
 3. Determination of Headform Test Procedure *
 4. Static Headform Test Procedure
 5. Dynamic Headform Test Procedure *

* HIT determination procedure is included

Korea Proposal for Contents and Comments from JASIC

Contents	Korea Proposal	Comment from JASIC
5.2.1. and 5.2.2. of GTR9 (not Annex)	Add “When tested in accordance with paragraphs 7.2., 7.3., and Annex 1 , the HIC shall comply with paragraph 5.2.3.”	There are possibilities that this would need a change of requirements of the regulation and would be out of scope of IWG. This should be discussed in IWG.
Impact speed for activation test	lowest speed(+0.56m/s) of activation	The reason for tolerance of +0.56m/s should be clarified
Impact speed for ST measurement test	11.1 +0.56 m/s	
Determination of headform test procedure	Lack of the condition in case HIT is smaller than ST	Total 3 condition (“Static”, “Dynamic”, “Undeployed”) should be described
Dynamic headform test procedure	Lack of HIT measurement procedure for dynamic headform test (bonnet is set for undeployed position)	Since bonnet position in HIT measurement procedure for dynamic headform test is different from that for the determination of headform test, both procedure should be described