

| | Items | EuroNCAP | JNCAP | Remarks for JNCAP | KNCAP | OICA proposal | Remarks |
|-----------------------------------|---|---------------|-----------------|--|---------------------------------|---------------|---|
| Prerequisite | System Information Requirement(provided by manufacturers) | 0 | (0) | Only describing that manufacturer shall provide the detailed information. | 0 | x | details of sensing and deployment, HTD(PDI-1, PDI-2, evidence data(force, mass, energy, intrusion, acceleration)) |
| | Simulation Human Models or Physical Test Human dummies (tool for HIT) | 0 | (0) | 1)Only percentile and mid-gait cycle is specified. 2)HBM: Manufacturer shall provides the information regarding to the biofidelity. In case the models specified in EuroNCAP TB013, data submission may be exempted | x | x | percentile, model name, dummy |
| | Simulation/Physical Testing Condition Requirement(for HIT) | 0 | 0 | Only mid-gait cycle is specified for the posture. | 0 | 0 | posture, friction, impact speed(40km/h or 45km/h) |
| | | speed: 45km/h | speed: (40km/h) | The manufacturer shall provide the appropriate travel speed of the vehicle | speed: 40km/h | speed: 40km/h | |
| | HIT Information | 0 | 0 | 1)The manufacturer shall provide the agency with the crash simulation results using an appropriate position of the system and vehicle travel speed. 2)HIT-WAD diagram is created by using linear regression of the simulation results | 0 | 0 | HIT & WAD graph(best regression linear line) |
| | Protection at speed below the deployment threshold | 0 | 0 | 1)HIC requirement: same as EuroNCAP 2)Impact speed: The manufacturer shall provide 3) verification test: The agency may conduct 0 to 3 tests (same as EuroNCAP) | x | x | HIC requirement, impact speed |
| | Protection at higher impact speeds | 0 | x | | x | x | initiation at least 50km/h |
| | Bonnet deflection due to body loading | 0 | x | | △ (deployed simulation only) | x | undeployed simulation, deployed simulation, displacement by body loading |
| Bonnet deflection clearance(BAST) | x | x | | x | x | BAST, Germany | |

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| Verification | TRT Test(40km/h) | | | 1)Impact speed: Same impact speed used in HIT calculation 2)Impactor: tools representing the HTD. The equivalence of the tools to HBM shall be demonstrated by the manufacturer. 3)Test: The agency conduct the tests. Alternatively, the agency may use the results obtained from the manufacturer at their own discretion | | | impactor, location |
| | | location: particular locations in bumper test area | Vehicle centerline and outer-most grid for which the activation influences the test result | Not same as the area for legform testing | location: by agency(in test area) | CTR | |
| | Low Threshold Test | | x | The manufacturer shall provide the evidence for the system activation | | x | deployment check |
| | | location: particular locations in bumper test area | Location: Vehicle centerline and outer-most grid for which the activation influences the test result | Not same as the area for legform testing | location: by agency(in test area) | | |
| | High Threshold Test | | x | | | x | deployment check, impact speed |
| | | location: particular locations in bumper test area | | | location: by agency(in test area) | | |
| | Number of Tests | minimum 3 | 0 or 2 (for TRT) | No details for the low speed are specified | minimum 3 | 1 | |
| Test Locations | particular locations in bumper test area | Vehicle centerline and outer-most grid for which the activation influences the test result | No other details, such as test facility, for the low speed are specified | by agency(in test area) | CTR | | |

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| Headform Test | Static Test at the undeployed position | 0 | 0 | 1)All of the grid points forward of WAD where HIT equal the maximum value of the ST. 2)Systems not meets the requirements. | 0 | 0 | |
| | Static Test at the deployed position | 0 | 0 | All of the grid points not forward of WAD where TRT equal the HIT | 0 | 0 | aiming method, speed measurement, accuracy check |
| | Dynamic Test | 0 | 0 | All of the grid points forward of WAD where TRT equal the HIT, and not forward of WAD where HIT equal the maximum value of the ST. | 0 | 0 | synchronization procedure/requirement |
| | Combined Test | 0 | x | Included in the condition defined for undeployed, deployed and dynamic | 0 | 0 | |
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