Overview of Test Procedures, etc. for Advanced Emergency Braking Systems (Braking for Pedestrians)

1. Test Vehicle Speed

Test vehicle speed: The test vehicle speed ranges are as shown in Table 1. Each test starts at the lowest vehicle speed and keeps increasing the speed by 5 km/h or 10 km/h. The initial vehicle speed can be raised at the request of a vehicle manufacturer, etc. Similarly, the final vehicle speed can be reduced at the request of a vehicle manufacturer, etc. However, in either case, test results for those speeds at which no testing was conducted shall be treated the same as when the system was not activated.

Table 1 Test vehicle speed

	AEBS Test
CPN Scenario	10–60 km/h
CPNO Scenario	10<u>25</u>–60<u>45</u> km/h

2. Test Scenarios

After the standard evaluation tests are conducted, partial evaluation tests shall be performed separately for AEBS and FCWS under the following conditions. As regards the test in (5), it shall be performed with the test target's initial lateral position changed to 6.0 m.

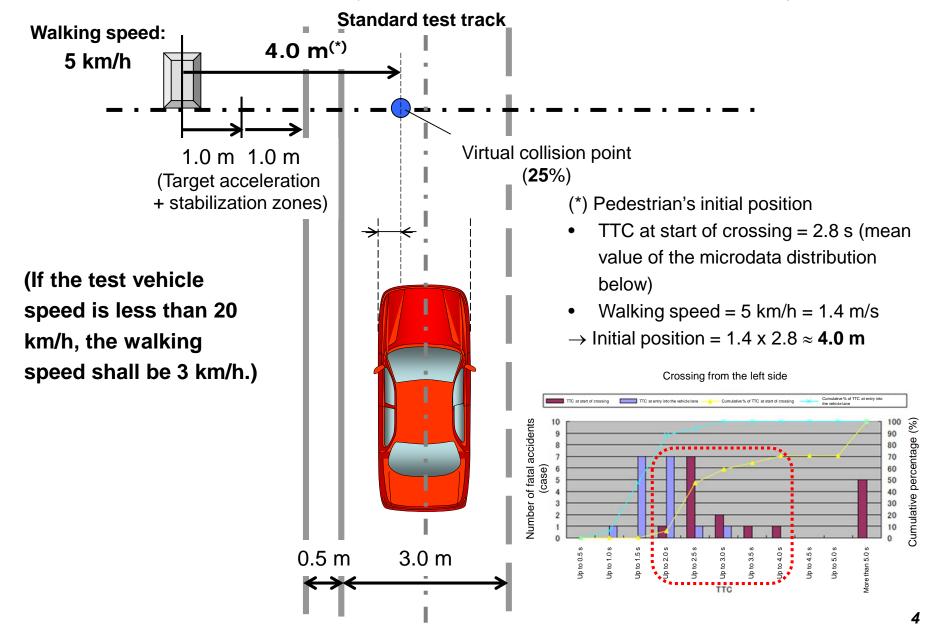
- (1) CPNO Scenario
 Collision point of 50%, test target speed of 5 km/h, child dummy
- (2) CPN Scenario
 Collision point of 50%, test target speed of 5 km/h, child dummy
- (3) CPN Scenario
 Collision point of 25%, test target speed of 5 km/h, adult dummy
- (4) CPN Scenario Collision point of 75%, test target speed of 5 km/h, adult dummy
- (5) CPN Scenario Collision point of 50%, test target speed of 8 km/h, adult dummy

3. Proposed Test Conditions

Daytime evaluation 1

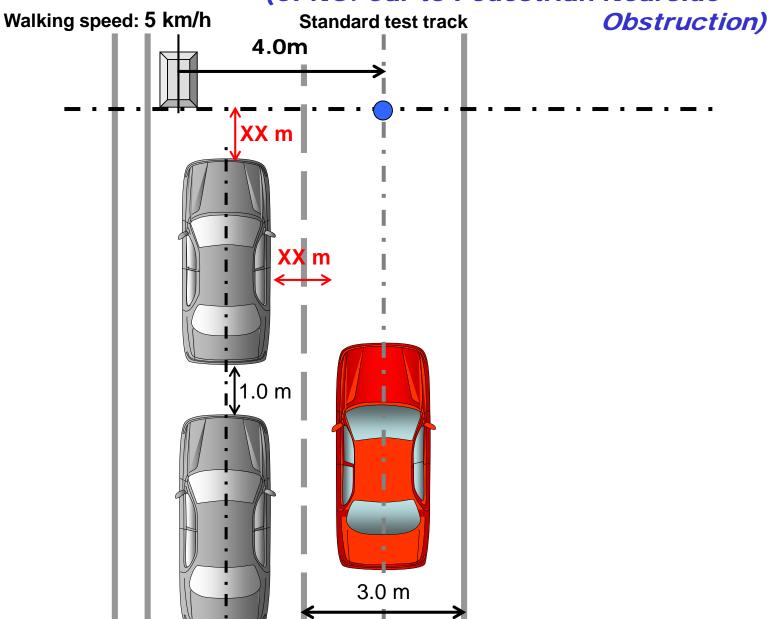
(*) Assuming a general 7-m-wide road

Nearside Test (CPN: Car to Pedestrian Nearside)

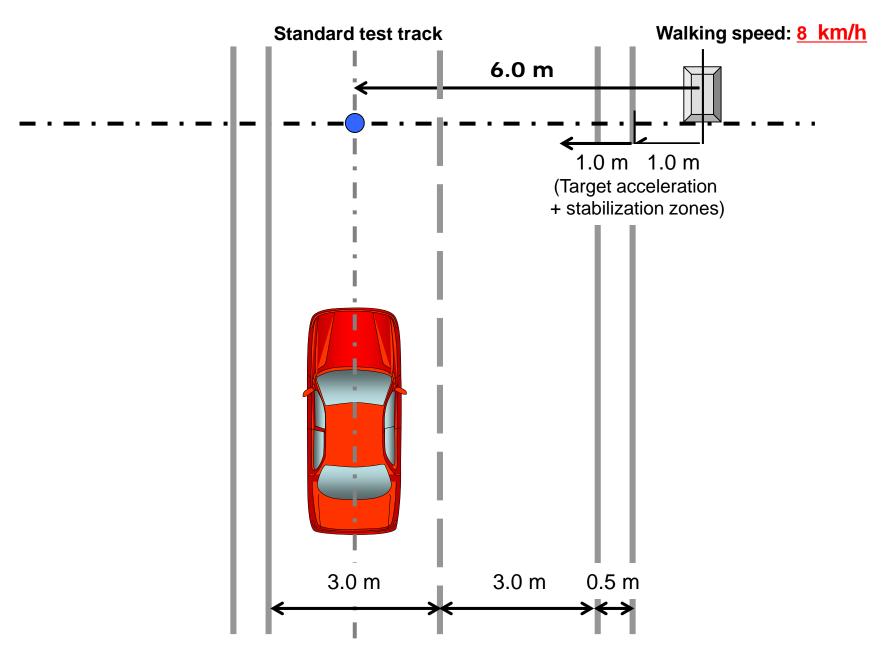


Daytime evaluation 2

Nearside - Obstructed Test (CPNO: Car to Pedestrian Nearside

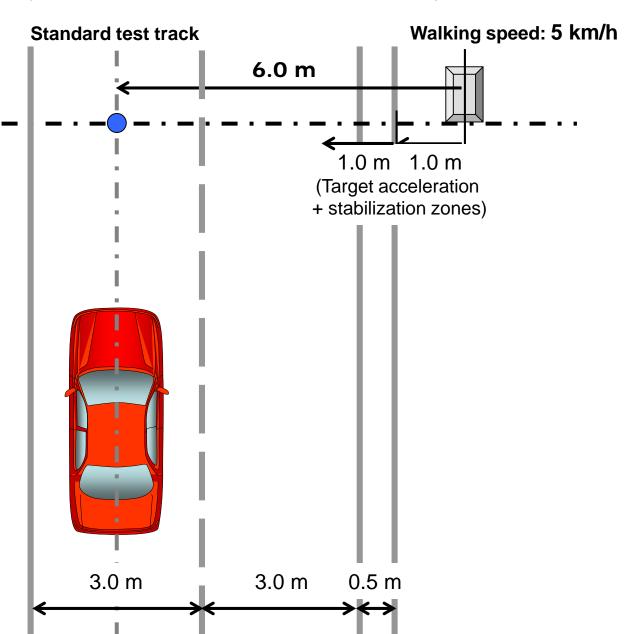


Farside Test (Warning Verification Only) (CPF: Car to Pedestrian Farside)



Nighttime evaluation 1
Under discussion

Farside Test (CPF: Car to Pedestrian Farside)



Nighttime evaluation 2
Under discussion

Farside - Obstructed Test (CPFO: Car to Pedestrian Farside Obstruction)

