

IWG-DPPS

Proposal for Condition of Activation of DPPS

9th IWG-DPPS

January 2021

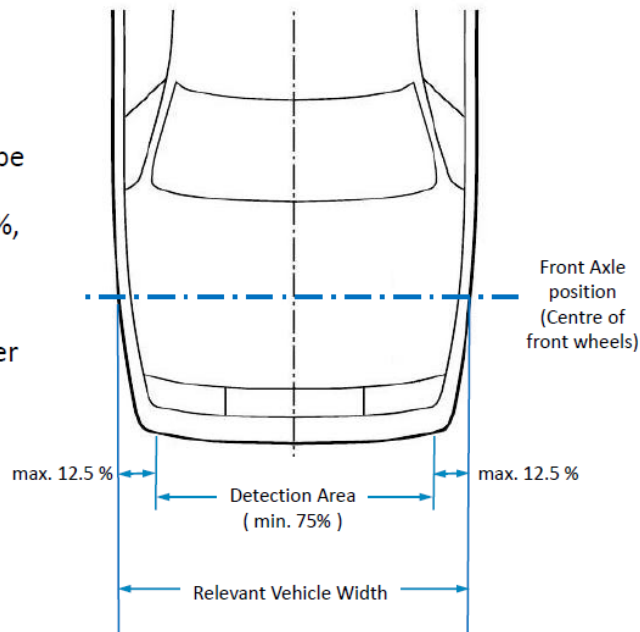


JAPAN AUTOMOBILE STANDARDS INTERNATIONALIZATION CENTER

BASt/BGS Proposal for Condition of Activation of DPPS

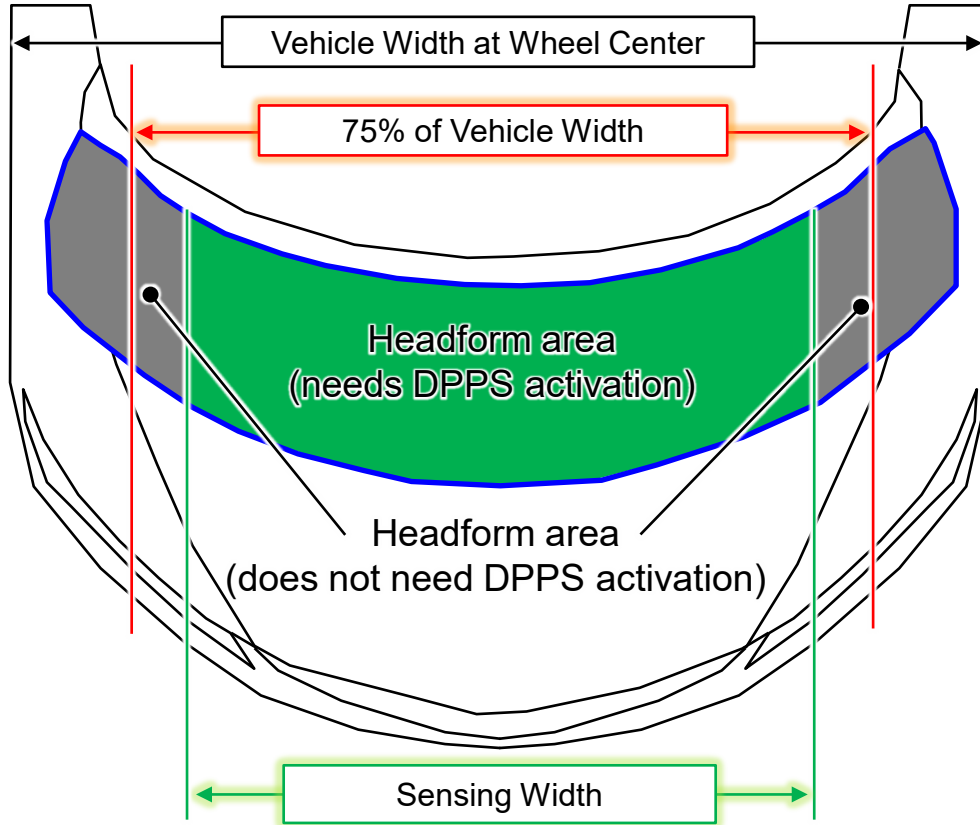
Proposal

- The width of the detection area shall be the relevant vehicle width, minus a distance from each side of max. 12.5 %, but not more than 250 mm.
- The detection area must not be smaller than the bumper test area (BTA).



- All DPPS systems need to detect a pedestrian impact within 75% of vehicle width
- If a DPPS system doesn't meet the above requirement, all of headform test shall be conducted in un-deployed position

Issue with BAsT/BGS Proposal for Sensing Width



BAsT/BGS proposal does not allow headform test with DPPS being activated for the system whose sensing width is narrower than 75% of vehicle width, even if OEM shows the sensing performance in the area relevant to headform test area where DPPS activation is needed

Headform tests should be conducted with DPPS being activated in the headform test area where the detection performance is clarified

Proposal for Condition of Activation of DPPS

DPPS can be activated in whole of headform test area on the bonnet in case the sensing width is wider than the width defined by the outer most of following three definition;

- 1) Outer most of bumper test area
- 2) Vehicle width at front wheel center minus 12.5% of the width
- 3) Vehicle width at front wheel center minus 250mm

In case the sensing width is narrower than aforementioned width, DPPS can only be activated within the sensing width.