ACSF Function ver. Category

Submitted by the experts of Japan

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ACSF Category	Function		Main Switch	Means to confirm Driver's intention / deliberate action Light over ride may not deactivate the control.	System operation status Information (normal condition)	Steering over ride need clarification of steering and override	Warnings for temporary void / failure Can be combined with B or LKAS	System boundaries					Lane detection	Safe lateral distance	Surrounding traffic detection / Safety distance	Notice to Surrounding traffic		Safe operation	Driver Recognition System ↓ (Driver attention) or (Periodical check)	Emergency maneuvers / Protective Brake	Minimum risk maneuvers may vary by category	Malfunction Failure
								Driving road detection (Motorway ?)	Normal operation		Transition demand					Turn signal	Hazard lights					
									lateral G	V_{smax} V_{smin}	Transition demand	Transition time										
	Text in ACSF-04-17		56112	56111	56111 56117	56113	5431 5432	56121	56114 56144	561311 56143	561313 56141 56147	56142 561314		56124	56118 56121	56116 56122		56116 561312	56115 56126 56145 56146	56125 561316 56161 561611 561612 561613 561614	561315 56151	5432
A	Parking Assist		○	○	○	○	○	–	–	–	–	–	–		–	–	–	–	–	–	–	○
B1	LKAS **(Hand on system)**		○	–	○	△ See above	○	–	–	–	–	–	○(driving lane only)		–	–	–	–	–	–	–	○
B2	Continuous Lane Guidance **(Hand off system)**		○	○ See above	○	△ See above	○	–	○	○	○	○	○(driving lane only)		–	–	–	△ 5.6.1.1.6 may not be applicable	○	–	–	○
C	Basic Lane Change Assist	initiate by the driver	– may not have dedicated SW when used with LKAS or Cat. B	○ See above	○	△ See above	△ See above	–	○	○	–	–	○(driving lane only)		–	–	–	–	–	–	–	○
D	Smart Lane Change Assist	initiate by the system, confirm by the driver		○ See above	○	△ See above	△ See above	○	○	○	– System may not request LC near	–	○(driving lane and adjacent lanes)		○	○	–	○	–	–	–	○
E	Continuous Lane Guidance + Automated Lane Change Assist	perform lane changes without driver's request/confirmation	○	○ See above	○	△ See above	○	○	○	○	○	○	○(driving lane and adjacent lanes)		○	○	○	○	○	○	○	○