

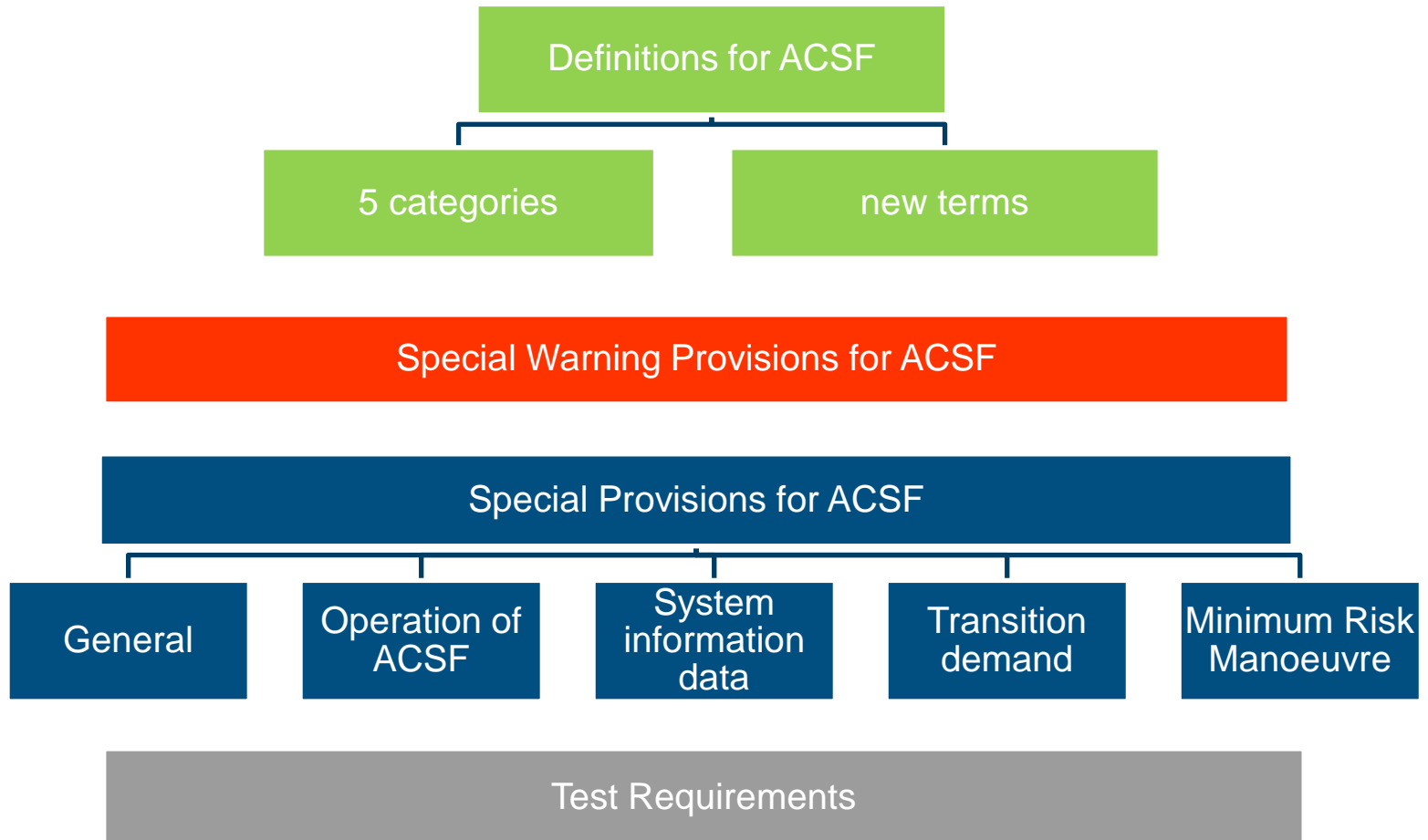


Informal Group “Automatically Commanded Steering Function (ACSF)”

Summary

- Proposal to establish an IWG for ACSF in the 79th meeting of GRRF
- WP29 endorsed the creation of the IWG in the 165th session, TOR shall be reviewed in the next session
- 3 IWG meetings hold between 79th and 80th session of GRRF
- All documents are available on the official website of the IG "ACSF"

Structure of the ASCF requirements



5 Categories of ACSF

- **Category A**: a function that operates at a speed not greater than 10 km/h to assist the driver, on demand, in low speed manoeuvring or parking operations.
- **Category B**: a function which is initiated/activated by the driver and which keeps the vehicle within its lane by influencing the lateral movement of the vehicle
- **Category C**: a function which can perform a single manoeuvre (e.g. lane change) when commanded by the driver.
- **Category D**: a function which can indicate the possibility of a single manoeuvre (e.g. lane change) but performs that function only following a confirmation by the driver.
- **Category E**: a function which is [initiated/activated] by the driver and which can continuously determine the possibility of a manoeuvre (e.g. lane change) and complete these manoeuvres for extended periods without further driver command/confirmation.]



Test requirements for ACSF (new Annex 7)

Description	What is tested
Functional Test 1	Safe lane keeping
Functional Test 2	Safe lane change
Transition Test 1 Tight curve ($a_y > 3\text{m/s}^2$)	<ul style="list-style-type: none">• Transition demand• Minimum Risk Manoeuvre• System boundaries (a_y)
Transition Test 2 Missing lane marking	<ul style="list-style-type: none">• Transition demand• Minimum Risk Manoeuvre• System boundaries (missing lane marking)
Emergency Test 1	Braking behind a vehicle, which suddenly decelerates sharply
Emergency Test 2	Braking behind a small static obstacle (Motorcycle)



Next meetings

- **4th meeting of the IG „ACSF“
25th – 27th in Tokyo, JASIC Office**
- **Currently checking the possibility of a 5th meeting
in January 2016**

Thank you for your attention!

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and Digital Infrastructure

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