

LINC: The long road getting AVs on the streets of DTU Lyngby Campus

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An application (Road Directorate) involves a vehicle approval (Vehicle directorate), assessor approval (risk assessment) etc.

Risk assessment includes:

- 179 topics assessed
- 4 risk assessments in each topic
- 6 assessor rounds

Vehicle approval covers:

- Construction and crash protection
- Brakes
- EMC

Application includes:

- Vehicle approval
- Organization
- Roads, operations, traffic evaluation
- Assessor evaluation
- Everything!

Challenges:

- Vehicles are not EU type approved
- No standard method for risk assessment of AV
- Little knowledge on Avs
- Complicated approval process

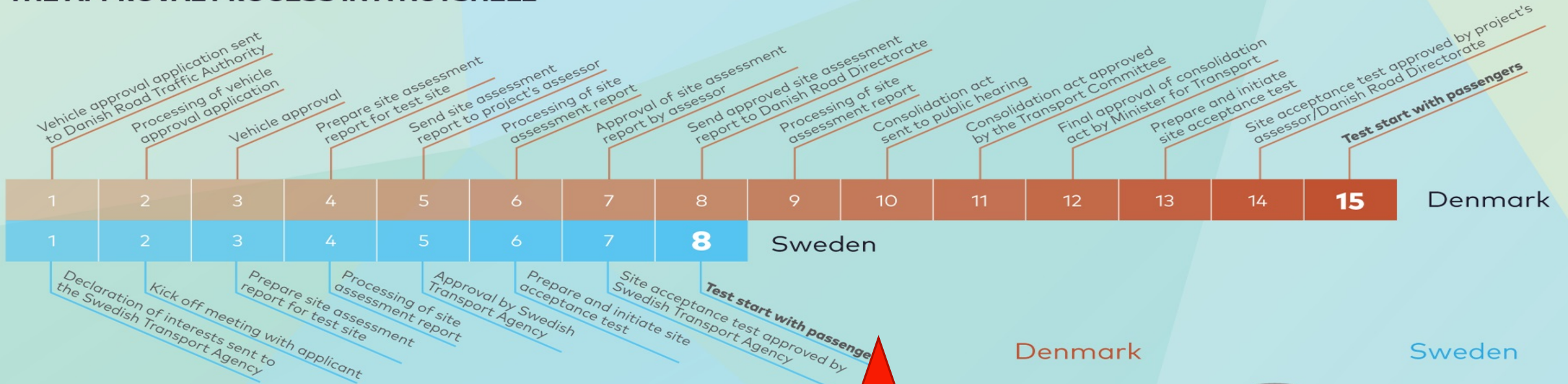


UNDERSTANDING THE LEGISLATIVE FRAMEWORK TO TEST AUTONOMOUS VEHICLES ON PUBLIC STREETS

- differences between **Denmark** and **Sweden**.



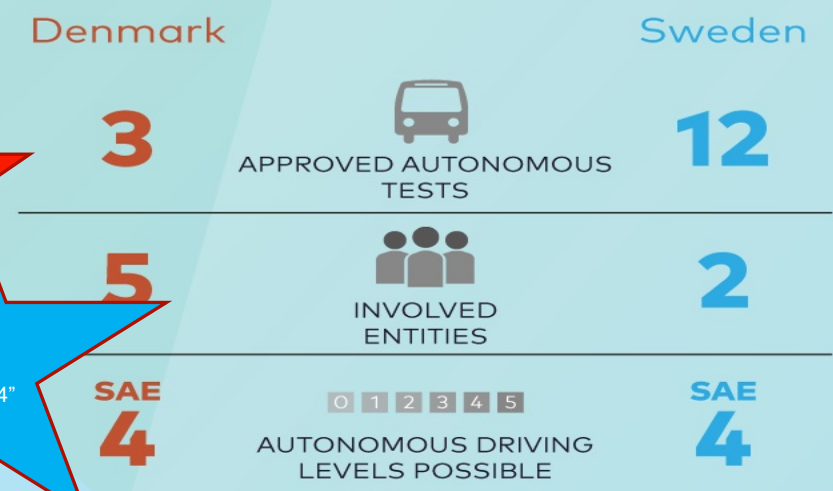
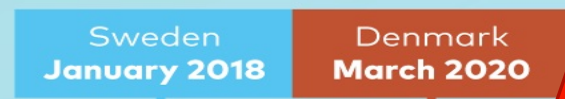
THE APPROVAL PROCESS IN A NUTSHELL



LEGISLATIVE FRAMEWORK IN PLACE



FIRST TEST START



LINC project recommendations

1. ABOLISH THE POLITICAL PROCESS, WHICH IS TIME CONSUMING AND COMPLEX
2. HAVE DIFFERENT APPLICATION PROCESSES DEPENDING ON SELF-DRIVING LEVEL
3. ABOLISH THE ASSESSMENT SCHEME, EXTENDING THE APPLICATION PROCESS
4. INTEGRATE THE APPROVAL OF THE VEHICLE INTO THE ENTIRE APPLICATION
5. MAKE WRITTEN INSTRUCTIONS ABOUT THE APPLICATION PROCESS
6. ASSIGN THE APPLICANT A CONTACT PERSON AND GIVE CLEAR TIME INDICATIONS