Considerations for an ADS Regulation

- Basic principles and conceptual overview -
Key elements identified:

- The ADS regulation should be generic and allow for a certification of ADS over a broad range of ODD’s, use-cases, etc.
  
  => it should not be “use-case by use-case based”
  => it is not possible to define any use-case prioritization, given the different needs of various manufacturers

- Regulation should support dynamic ADS feature management, especially via software updates
  => incl. registered vehicles (in use) over lifetime

- No double certification of common elements
  => the Safety Management System is not vehicle dependent but demonstrates the manufacturer’s capability
  => ADS vehicle [type] related elements
  => ADS feature related elements

- Regulation should follow the concept of individual ADS feature certification (similar to component certifications)

- ADS vehicle certification should cover minimum content only
Example UN Reg on ADS

**Safety Management System**
- Risk Mgt. Processes
- Dev. Processes
- ISMR Processes
- R&R’s
- ...

**ADS vehicle [type]**
- ADS feature management (incl. DSSAD, etc.)
- ...

**ADS features**
- Safety Assessment incl. testing
- Appl. of Safety Concept
- Feature Descr. incl. ODD, etc.
- ADS feature(s)

**Example UN Reg on ADS**

**SMS certificate/approval**

**ADS vehicle approval**

**ADS feature approval(s)**
Thank you