

Include developments during GRVA-01 session  
(added slide 6)

# Industry views on GRVA priorities and organization

GRVA-01 - 2018, September 25-28  
Geneva

# AD landscape - before June 2018

Stand-alone subjects

RCM (UK) ...

ACSF C HMI  
(industry)

GRRF

WP29

ITS-AD IWG

ACSF IG

ACSF B2  
Level 3/4  
Hands-off lane  
keeping on  
Motorway

AutoVeh TF

AD  
level 3/4/5  
Highway, Urban,  
Inter-urban

SG 1  
Test & Audit

SG 2  
Real world

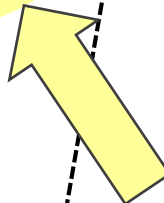
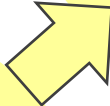
GRRF  
Task Forces

CEL step 2 TF  
(UK)

PTI ACSF TF  
(Swe)

DSSA TF  
(UK)

CS & OTA TF



# AD landscape - after June 2018

Stand-alone subjects

RCM (UK) ...

ACSF C HMI  
(industry)

WP29

**GRVA**

ACSF IG

**ACSF B2**  
Level 3/4  
Hands-off lane  
keeping on  
Motorway

AutoVeh TF

AD  
level 3/4/5  
Highway, Urban,  
Inter-urban

**SG 1**  
Test & Audit

**SG 2**  
Real world

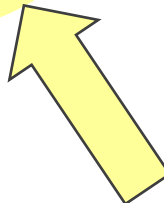
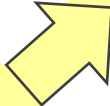
GRRF  
Task Forces

**CEL step 2 TF**  
(UK)

**PTI ACSF TF**  
(Swe)

**DSSA TF**  
(UK)

CS & OTA TF



Industry input

Missing items

Stand-alone subjects

RCM (UK)

Level 2 hands-off lane keeping

ACSF C HMI (industry)

WP29

GRVA

ACSF IG

HCV Trailers

AutoVeh TF

ACSF B2  
Level 3/4  
Hands-off lane keeping on Motorway

AD level 3/4/5  
Highway, Urban, Inter-urban

SG 1  
Test & Audit

SG 2  
Real world

GRVA Task Forces

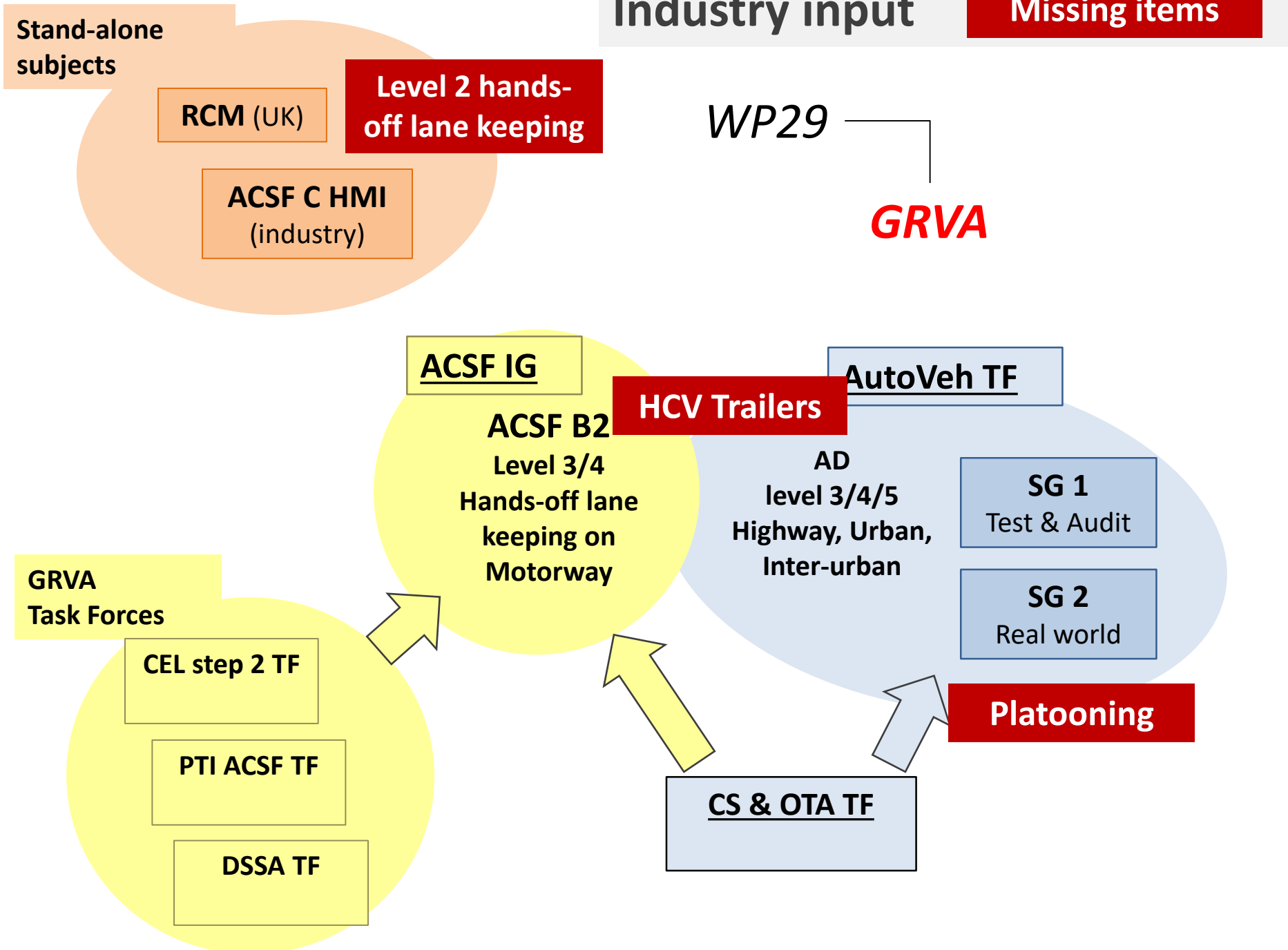
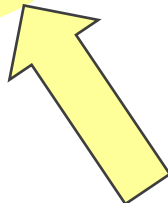
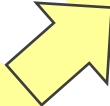
CEL step 2 TF

PTI ACSF TF

DSSA TF

Platooning

CS & OTA TF



# Industry input – Road map

ACSF C HMI

RCM

2020

2025

**Level 2 hands-off lane keeping**

**ACSF B2 Level 3/4**

**Hands-off lane keeping on Motorway**  
(including CEL step 2, PTI ACSF, DSSA and  
general requirements for CS & OTA)

**PC/LCV**

**HCV**

*Indicative information,  
for discussion only.*

**HCV Trailers**

**CS & OTA new reg.**

**AD Highway (based on 3-pillars)**

**AD Urban**

**AD Inter-urban**

**Platooning (longitudinal)**

**Platooning (Longi + lat.)**

# Industry input – GRVA day 2

ACSF C HMI

RCM

Level 2 hands-off lane keeping

**ACSF B2 Level 3/4**

**Hands-off lane keeping on Motorway**  
(including CEL step 2, PTI ACSF, DSSA and  
general requirements for CS & OTA)

PC/LCV

HCV

- **Current certification way:**
  - Test worst case vehicle configuration
  - CEL Assessment (audit)
- One set of requirements **per functionality**
- Very low pace / (rather) design restrictive / not applicable to further steps

AD Highway (based on 3-pillars)

AD Urban

- **New way to certify: 3 pillars**
  1. Road test
  2. Track test
  3. Audit / Assessment
- Achieving a balance between a set of **general safety objectives** and relevant **test scenarios** for **use cases** (highway, urban, inter-urban):
  - The objective is to define a modular frame for future developments,
  - To cover different vehicle categories (e.g. PC, city buses, shuttles, trucks...) and use cases

# Considerations

## Generals

- Define priorities and road map
- Define the right organization to implement the road map
- Take into considerations limited resources (experts, secretariat, rooms, travels...)
- AD is not the only subject: AEBS M1 N1, Modular Vehicle Combinations...
- No double work
- Realistic deadline
- Review road map on a regular base and adjust priorities and resources when needed

## Concrete proposals – food for thoughts

- GRVA coordinates other GRs when it comes to AD related amendments
- Other GRs appoints an ambassador at GRVA, to synch the amendments