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IV

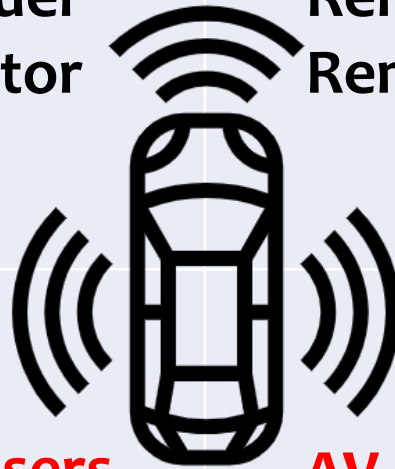
First responders

- Police officer
- Firefighter
- Rescuer
- Tow operator

I

Human ADS elements

- Driver/FBRU/UIC
- Remote driver
- Remote assistant
- Remote dispatcher



Other road users

- Vulnerable road user
- Transit operator
- Motorist
- Road worker
- Neighbor

AV users

- Passenger
- Child
- With special needs
- Non-passenger user
- Remote user

III

II

*Plus the
companies
 acting
 through
 their
 human and
 machine
 agents!*

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Item 3 (d) (i) of the provisional agenda

Convention on Road Traffic (1968):

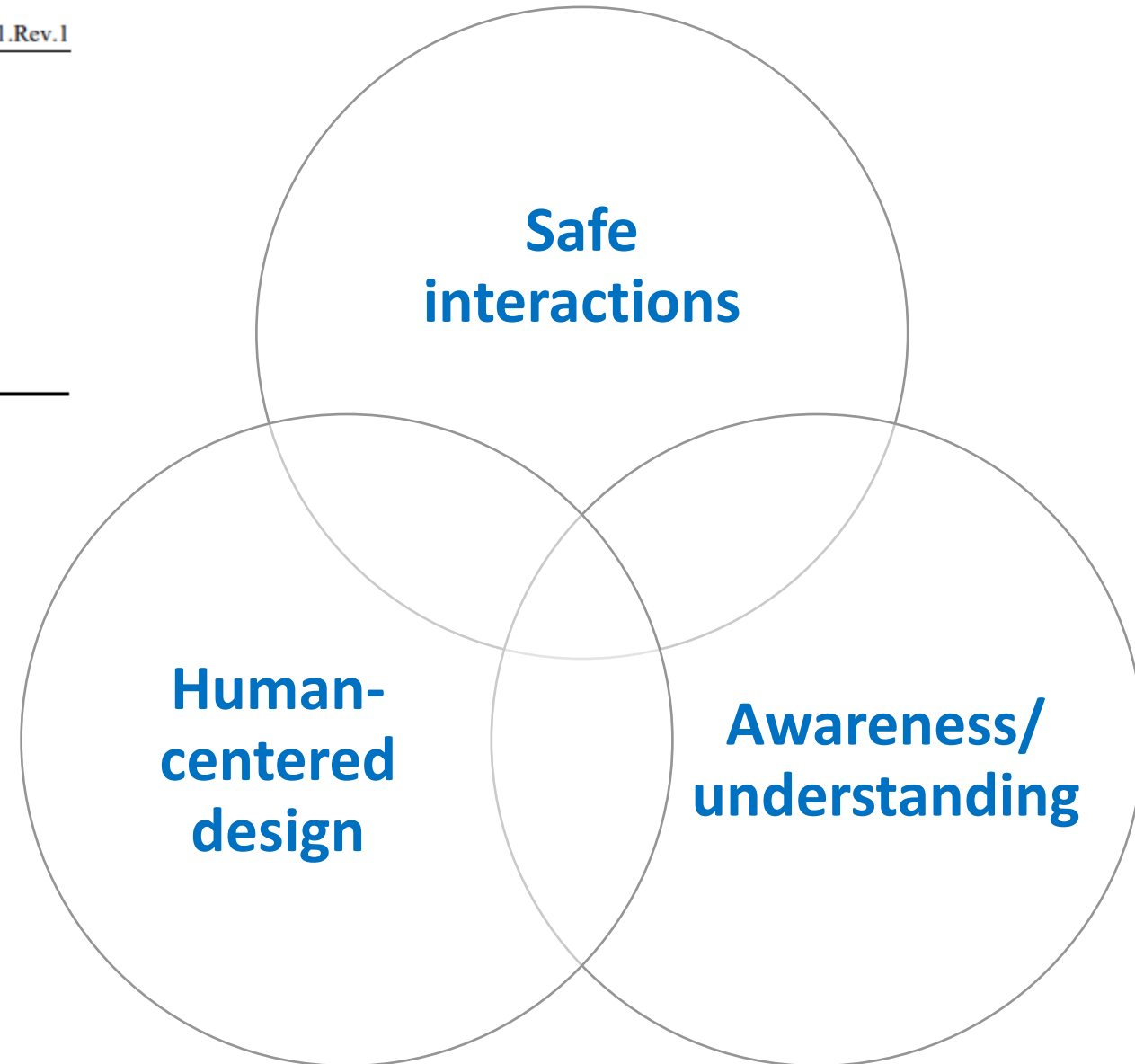
Human factors and automated driving as key issues for future road traffic

Human factors and automated driving

**Proposal to develop a framework document of key principles
for automated vehicle safety and human centered needs**

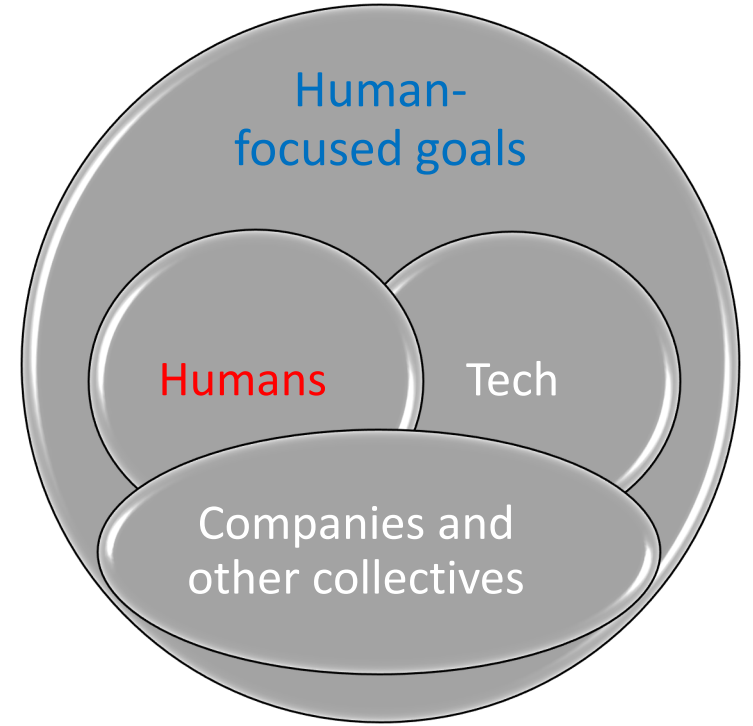
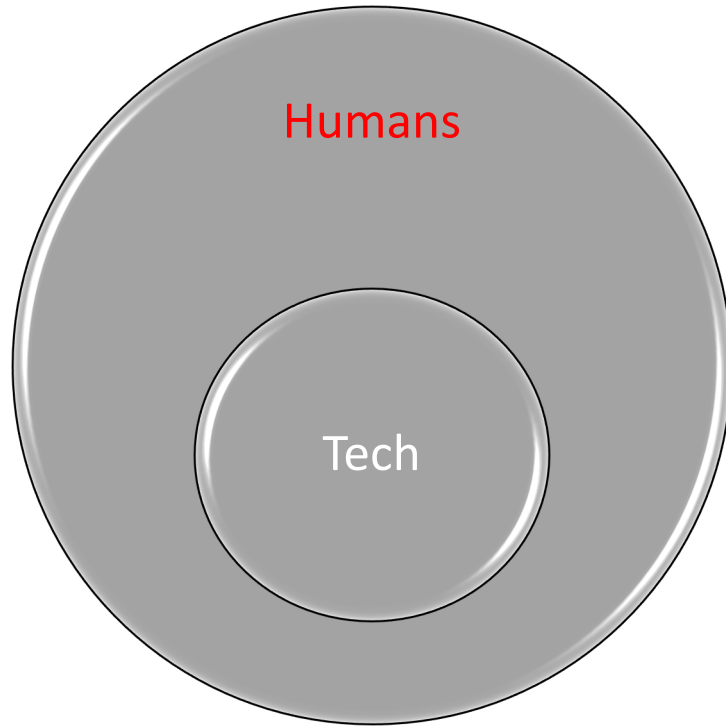
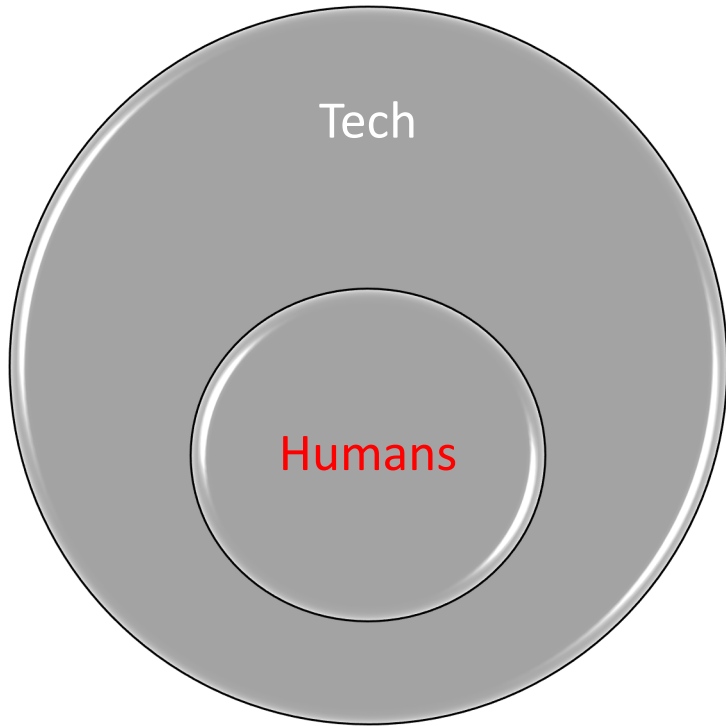
Submitted by Canada and WP.1 Chair

This document aims at ensuring that vehicle automation features are designed, developed and marketed with human capabilities, limitations and expectations in mind. It revises Informal document No.11 (September 2021).



Just some sample questions

| | Safe interactions | Human-centered design | Awareness/ understanding |
|-----------------------|---|--|--|
| I) Human ADS elements | Will AVs degrade human driving skills? | Can the ADS effectively reengage a fallback-ready user? | How is a remote assistant supervised? |
| II) AV users | Will the AV operate if passengers are unbelted? | Is the AV accessible to blind passengers or other users? | Is a vehicle feature accurately marketed? |
| III) Other road users | What is “respectful” driving behavior? | Does the AV behave intuitively and predictably? | Should other road users conform to the needs of AVs? (No.) |
| IV) First responders | How does the AV address unplanned road works? | Can a paramedic quickly ensure that an AV will not move? | How should first responders be trained to interact with AVs? |



Safety as advancing autonomy and community

How do we appropriately situate technology within broader conversations about safety, mobility, and sustainability?

What concrete steps might governments take, whether on their own or in concert through the Global Forum, to help advance these human-centered goals?