

FORMULA STUDENT GERMANY

INTERNATIONAL DESIGN COMPETITION

FS Germany Driver change procedure

Valid ONLY for Electric Cars

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**CREATING A FUTURE
FOR ENGINEERS**





Electric

- A total of 3 minutes is allowed to perform the driver change.
- If the driver change takes longer, the extra time (more than the 3 minutes) will be added to the final time of the heat.
- A maximum of 3 team members (including the drivers and ESO) are allowed to be IN the driver change area. (In summary three persons per team are allowed, 1st driver, 2nd driver and ESO.)
- The ESO has to be a person who is NOT the 1st driver nor the 2nd driver.
- Too many teammembers (> 3) in the driver change area will result in a penalty of 20 points for each additional team member.
- The 2nd driver and the ESO will be asked to enter the driver change area 1 lap before the car comes in.
- Changing the 1st driver with another team member from outside the changing area is NOT allowed.



Electric

- **The ESO is at all times available with the push bar close to him and observes the car for safety issues!**
- Remember: A pair of HV insulating gloves, a multimeter, a fire extinguisher and if necessary a tool to open the HVD has to be attached to the push bar.
- The 1st driver deactivates the Tractive System from within the cockpit.
- 1st driver, 2nd driver and ESO are allowed to operate both master switches.
- The time for the driver change starts counting when the TSAL is off. The 1st driver is getting out and the 2nd driver is getting in the car
- The 2nd driver is strapped in and is allowed to enable the TS after the Scrutineer has instructed so. The TSAL indicates a powered up TS.
- The time for driver change stops counting when the 2nd driver enables the TSAL.
- Driver enables “Ready to Drive mode” after instructed by the Scrutineer.
- If the car is “drive ready” on time the scrutineer will give a sign to re-enter the track.
- If the restart is not accomplished within the 2 minutes of time, the car will be deemed broken down and scored DNF for the heat.
- Driver 1 and the third team member are NOT allowed to move the car in any means.