

The seal of Lafayette University is a circular emblem. It features a central profile of a man with a beard, facing left. The text "J.M. LAFAYETTENSE VERITAS" is inscribed around the top inner edge of the seal, and "1826" is at the bottom. The seal is rendered in a light gray color.

LFEV 2015 Safety Plan

LAFAYETTE

General Requirements

- Participants
 - Everyone must agree to abide by this document
 - No guests allowed
- Documentation
 - The plan and approved test procedures are on the website
 - The revision of the doc in room 400 is definitive
- Changes
 - Students will be updated with every revision



Design Requirements

- References

- The rules listed in GPR005 and the 2015 SAE Formula Hybrid document apply to designs
- Peer review is required to verify safety



Equipment Guidelines

- TSV pack
 - Must remain in the HV area
 - Procedures are listed later
- TSI
 - May only be tested in the HV area
 - Must follow TSV pack procedures
- Dynamometer
 - May only be operated in room 401
 - No restrictions for work



Operating Procedures

- Opening the TSV Pack
 - Applies to any activity that exposes the pack internals
- Operating the TSV Pack
 - Applies when charging/discharging
- Running the Dynamometer
 - Applies whenever power supply is activated



Opening the TSV Pack

- **Restricted Spaces**
 - No more than 3 people may work at a time
- **Safety Manager**
 - Must be appointed for every operation
 - Outside safety area with glasses and phone
- **Equipment**
- **Process**
 - Approve plan
 - Appoint safety manager
 - Clear area
- **Loose Cells**
 - only one cell may be outside the area at any time



Operating the TSV Pack

- Restricted spaces
 - only one person in the area
- Safety Manager
 - same as before
- Equipment
- Process
 - Same as before
 - Activate power supply or load
 - Monitor the pack
 - Swapping safety managers
 - Safety manager may leave for 30 min
 - Deactivate power supply or load



Running the Dynamometer

- **Restricted Spaces**
 - No one may be in room 401 while it is running
- **Safety Manager**
 - Same as before, can't be in room 401
- **Process**
 - Instructor must unlock the power supply switch
 - Clear loose tools
 - Clear room
 - Operate from remote computer
 - Shut down remotely
 - Instructor must lock power supply switch
- **No work may be done without lockout**

