LFEV 2015 Safety Plan
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**