



NFPA
Education and
Technology
Foundation



Judges' Duties

Judges are usually engineers or others who work in the industry and are knowledgeable about fluid power. They could also be educators at colleges or school district supervisors. Judges are encouraged to attend the Workshop Day (but not required).

Morning Judging Requirements: Approximately Two Hours

- One head judge - assigns judges to their tasks, assists assigned judges and adjudicates if needed. May also serve during afternoon judging of competition by overseeing the calculations of totals and determining winners for each category.
- Judges for Portfolio Rubric (**Master Part A**) - each judge will be responsible for one or two parts of the portfolio. (3.5 minutes per part)
- Judges for Work Habits Rubric and Interview Questions (**Master Part B**) - working in groups of two judges, each group will see teams (about ten minutes per team). Ask questions directly to one student but allow others to interject.

Afternoon Judging Requirements: Approximately Two Hours

Teams may be competing individually, or multiple teams may be competing simultaneously.

- Head judge announces teams, waits for "ready" signal from all judges, then starts the power point countdown.
- Judges place and remove dropped canisters.
- Judges tally moved objects and record the points.
- Judges score Devise Design Rubric (**Master Part C**) and total points before teams switch out for the next round.

After all the teams have competed, judges tabulate scores and determine the winners of each category. Note: Grand Champion is the overall champion; they may have the highest scores in each category; however, they are to be awarded only the overall Grand Champion award.

- NFPA Fluid Power Action Challenge Portfolio Champion (Master Part A highest score)
- NFPA Fluid Power Action Challenge Teamwork Champion (Master Part B highest score)
- NFPA Fluid Power Action Challenge Design & Operation Champion (Master Part C highest score)
- NFPA Fluid Power Action Challenge **Grand Champion (Overall highest score)**