

# FIRST AGE

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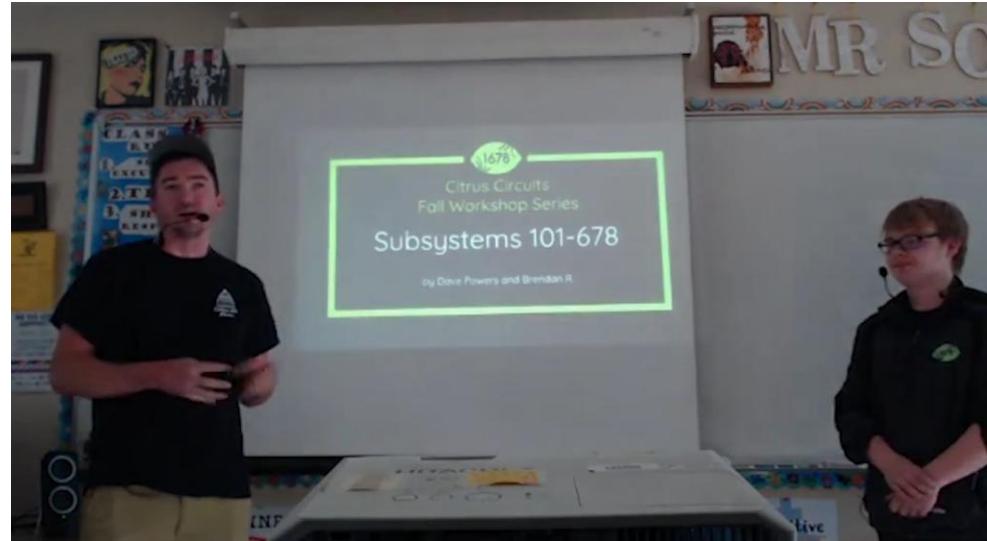
Qualcomm

# 2025/26 FRC Deadlines and important dates

- February 6: Event workshop/activity sign up closes
- February 12: FRC Event Briefing 7 pm \*\*\*Important, 1 team representative attends\*\*\*
- February 28: Quiet Room Host sign up closes
- March 17: FRC DCMP/CMP Briefing 7 pm

# Event Workshops/Activities at events

- Fun but takes extra planning on our part.
- If you are interested in hosting a workshop, please fill out [this form](#) by **February 6<sup>th</sup>** (yes that is NEXT Friday!) with information on your workshop and which events you would like to present at
  - (Note: If you are interested in presenting at DCMP, feel free to enter that here, if you don't qualify, we will confirm with you prior to scheduling your workshop)
- You must upload a slide when you submit the form for us to put in our event presentations
- This form will close on Feb 6, 2026



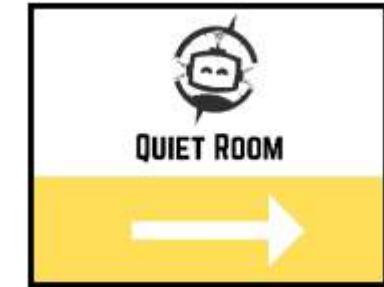
## Quiet Room

Quiet rooms are hosted and staffed by teams

To keep our students safe and comply with FIRST's Youth Protection screening we have had to make some changes to the quiet rooms

- 2 adults **must** be in the quiet room at all times for it to be open
- The adults must have passed FIRST's Youth Protection Screening Process
- For planning purposes, this form will need to be filled out by February 20

In order to meet the criteria above, we will require anyone volunteering in the quiet room to sign up for that role for the event through their dashboard. We are still working out this process and how we can partner with the host team to ensure they have access to their qualified volunteers. Stay tuned for more info



To sign up as a Quiet Room host, fill out [this form](#)

# Accommodations at events (accessibility, not hotel accommodations)

In the PNW, we work VERY hard to make sure everyone has a great experience at our events. Here are some of the things we are doing:

- We are working on getting Quiet Room hosts at **all** of our events (please consider being a host!)
- We are able to accommodate ME at **all** of our events (We will let you who is coordinating this for our events after kickoff)
- We offer all gender bathrooms at most events
- We have many accommodations for students in wheelchairs
- We have many accommodations for students that are hearing impaired
  - **For example, we plan to have a TV with closed captioning again at all of our FRC events!**
- We have a wheelchair ramp that can be put on the truck (**on request**) to access the drivers station

We are aware of the needs at some of our events, but if you don't tell us, we may not be aware of your team's need. Please fill out [this form](#) to let us know if your team needs any accommodations. *The earlier you fill out the form, the more likely we will be able to accommodate your request.*

**Understand, we may not be able to accommodate everyone's needs. We are a small organization and venues vary. Please be gracious and kind if we can't exactly meet your need the way you would like.** The earlier you make us aware of a need, the greater chance we may be able to make an accommodation.



# 2026 ROBOT RULES

**What's New and Some Changes Which May be Missed.**

A GLOBAL ROBOTICS COMMUNITY PREPARING YOUNG PEOPLE FOR THE FUTURE

# What's New – Size/Extension

## R104 – STARTING CONFIGURATION Max Size

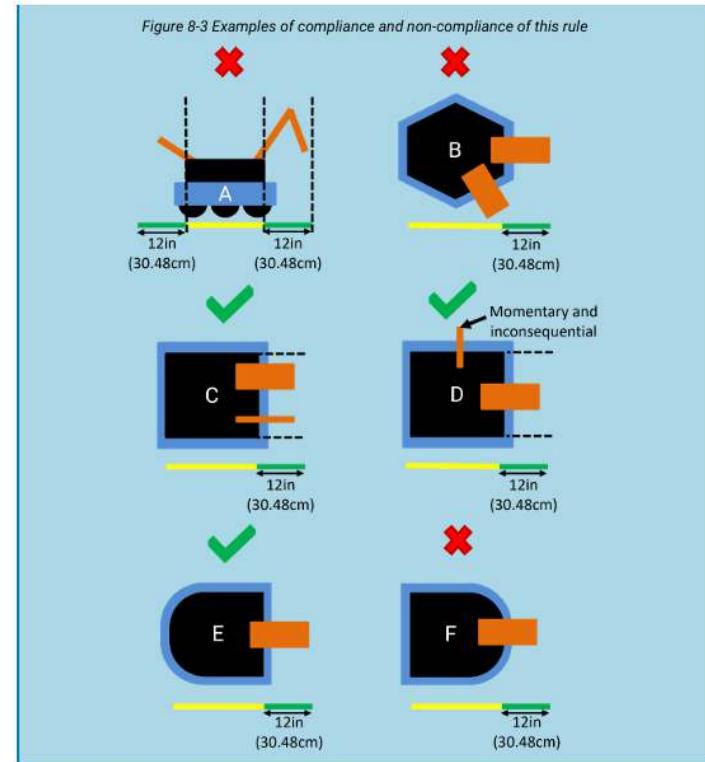
- ROBOT PERIMETER  $\leq$  110in
- Height  $\leq$  30in

## R105/R106 – Horizontal Extension limit

- $\leq$  12in beyond vertical projection of ROBOT PERIMETER
- Only one direction at a time

## R108 – Extension floor interaction

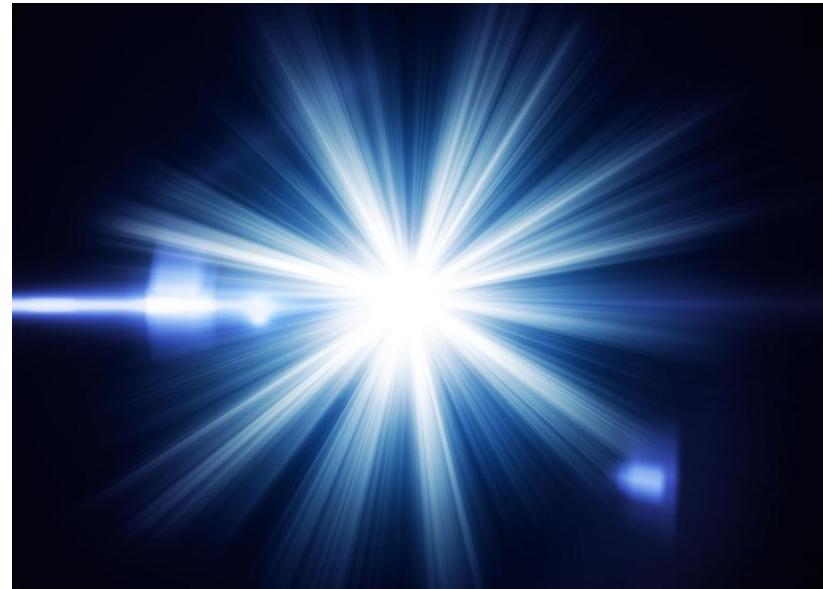
- ROBOT extensions cannot interact with the carpet, BUMPS, or TOWER BASE such that the BUMPERS are lifted out of the BUMPER ZONE



## What's New - General

### General Safety - R203

- Lead – Prohibit lead even if encapsulated
- Bright Flashing Lights – Shouldn't flash faster than ~5Hz
  - Rule made to prevent seizures.
  - Inspectors will not police this but if a complaint is made, an inspection may be warranted.



## What's New – Bumpers

### R401 – Gaps

- Single large gap allowed this year, requires 5in. coverage from corner.

### R402 – Padding

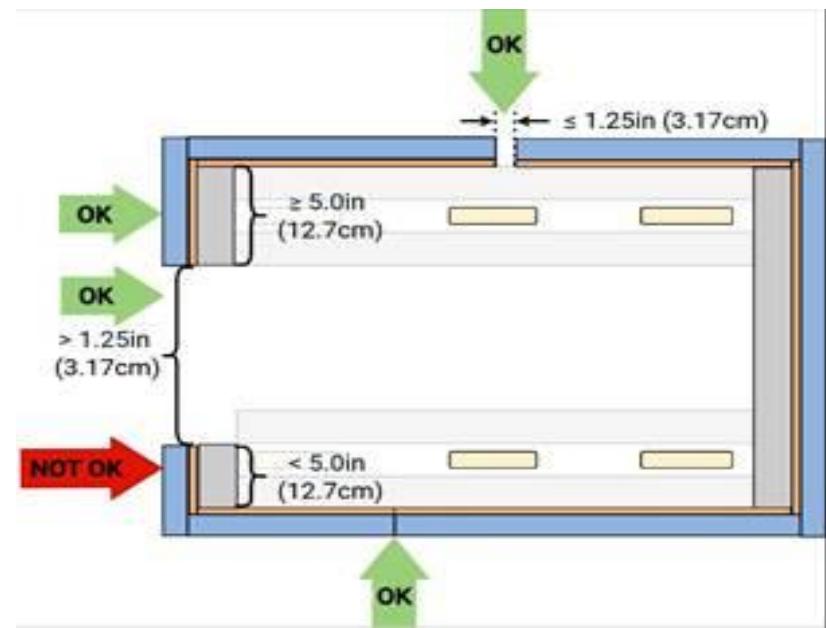
- Hollow noodles removed

### R406 – Corners

- Padding bending around the corner permitted again

### R412 – Numbers

- Can be omitted on one side



# What's New – Motors/Actuators

## Motors/Controllers

### R501/R504/R505

- Removed
  - Nidec Dynamo
  - DMC60
  - Jaguar
  - SD540
  - Victor 884/888
- Added
  - The ThriftyBot Pulsar 775
  - NEO 2.0
  - Any brushed motor on a breaker  $\leq$  20A



# What's New – Power Distribution

## Batteries – R601

- Vents may not be obstructed (e.g. tape). This matters for charging, not how it installs on robot

## Power Distribution

- Added AndyMark PD (R601)
- Revised roboRIO and radio power rules to genericize (R615/R616/R617)
  - Connect directly to 10A or less protected port

## Radio Power – R616

- Removed VRM and RPM as radio power options. Wire directly (to either 12V port or via PoE adapter cable)



## What's New – Other

### Radio – R703

- Reworked to try to improve clarity (including removal of VRM/RPM)
- VH-109 V1.5 radio (indicated by holo sticker) can connect roboRIO to roboRIO port directly

### A Note On Main Circuit Breakers- R612

- The 120A circuit breaker must be quickly and safely accessible from the exterior of the ROBOT.
  - Please look at the blue box for examples that are NOT “quickly and safely accessible”.
  - As a rule of thumb, if something would go wrong would you trust a stranger to reach for your main breaker in a hectic environment. If not, ask the team to rethink the location.



# For Construction Questions Please Email or Text

Steven Smith- PNW Senior LRI

- Mentor FRC 2903 & 5941
- [stevengsmith71@gmail.com](mailto:stevengsmith71@gmail.com)
- 425-346-2039
  
- When attempting contact, please mention who you are and which team you are affiliated with.

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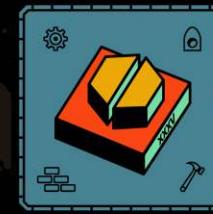


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2025 / 2026 SEASON

CONFIDENTIAL UNTIL APRIL 19

# General Questions are now welcome

- Ask us anything you need help with!