## Citrus Circuits

Fall Workshop Series

## Picklist Formation and

## Alliance Selection

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## "Your robot wins matches, your scouting wins competitions"

## Who should be here?

- Teams that are consistently alliance captains
- Teams that could potentially be alliance captains
- Teams that are aiming to be on successful alliances
- Teams that aspire to be alliance captains


## What if we're a high-seed captain?

- Top ~1-4
- Look for offensive power in your first pick
- Technical capability is a plus
- Look for utility in your second pick
- Often auto/endgame points
- Versatility in teleop
- The higher you seed, the lower your second pick
- Scout!


## What if we're a low-seed captain?

- Top ~5-8
- Prepare for all scenarios; game it out
- Look for complimentary strength in your first pick - Pick a robot that can do what you can't do
- Your second pick should fill holes
- Which alliance captain will you face?
- You will have a strong second pick
- Scout!


## What if we're not seeded high?

- Talk to the teams that are seeded high
- Find out their criteria
- This presentation is an example!
- Could you be a first pick or a second pick?
- First pick - offensive power (usually)
- Second pick - alliance dependent
- Understand that any alliance can pick you
- Be cooperative in quals and follow match strategies
- Be reliable and consistent
- Scout!

Picklist Formation

## Scouting Data



- Optimized visualization
- Spreadsheets are great
- Needs to be set up beforehand
- Spreadsheet formatting
- Conditional
- Number
- Freezing
- Alternating colors
- Filters
- See our Scouting Systems workshop


## Meeting Logistics

- Who participates?
- Too many people can lead to unproductivity
- Logistics
- Visual aids
- Dinner
- What position are you in?
- Seeding
- Predictions/plans
- Context
- If you have the data to make a picklist, make one!
- 12th seed or above should definitely make one!


## Identify Your Goals



| Normalize d Driver Ability | - | Level 2 <br> Climb \% | ₹ | HAB Line Cross Level 2 \% |  | Avg Cargo Scored $=$ | Avg Panels Scored $=$ | Level 1 <br> HAB Line <br> Attempts $\overline{ }$ | Level 1 Climb Attempt s | = | Level 1 <br> Climb \% |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |


| LFM <br> Incap or Noshow \% | - | LFM Avg <br> Time <br> Incap | F | Matches Played | - | Weight | \% | Avg Time Defending (sec) | 〒 | Avg Rank Counter Defense |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |

- What are your criteria?
- Valued attributes/data points
- First vs. Second pick
- DNPs
- What is your role?
- List length - 24 for regionals, 32 for champs
- Meeting length
- Sleep is important
- Predict alliances if you're seeded high


## Creating an Initial Picklist



- Meeting with known alliance partner
- Grind through the data
- Scouting data
- Match videos
- Graphs/trends
- Anecdotes
- Observations
- Discuss, Debate, Decide!
- Pairwise rankings
- Pros and cons
- Play devil's advocate
- Group consensus
- Maintain productivity



## Your First Draft

- At the end of the picklist meeting, run through the list and make necessary changes
- Expect to shift teams around the next day
- Prepare questions and observations for the second day of quals


## Second Day of Quals



- Ask the questions you had the night before
- Ask teams to demonstrate abilities
- Rearrange picklist according to observations, and scouting data if possible
- Picklist should not be finalized until rankings are set

Alliance Selection

## Alliance Selection



- Be prepared
- Stay in communication!
- Write your picklist on paper beforehand
- Cross out teams as they become unavailable
- Don't be that person
- Call scout lead/strategist if something unexpected occurs
- Speak with confidence
- "Graciously/gratefully accepts"
- "Respectfully declines"
- Confer with your partner on your second/third pick


## Strategic Decisions

- Strategic Declining
- Safely done as 1-8 seed, risky at 9-12 seed, not done 13 and below
- Be wary of getting blindsided
- "Scorching the field"
- When it's to your advantage
- Be prepared if you are scorched
- Maybe consider accepting


## Questions？唃裡品

Give US Feedback！

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Thank You!

