2023-2024 *FIRST*® Tech Challenge

Scorekeeper – Dual Division

Sponsor Thank You

Thank you to our generous sponsor for your continued support of the *FIRST*® Tech Challenge!

Volunteer Thank You

Thank you for taking the time to volunteer for a *FIRST*® Tech Challenge event. *FIRST*® and *FIRST*® Tech Challenge rely heavily on volunteers to ensure events run smoothly and are a fun experience for teams and their families, which could not happen without people like you. With over 6,500 teams competing yearly, your dedication and commitment are essential to the success of each event and the *FIRST* Tech Challenge program. Thank you for your time and effort in supporting the mission of *FIRST*!

Revision History		
Revision	**Date**	**Description**
1	12/06/2023	Initial Release

Contents

Introduction

What is FIRST® Tech Challenge?

FIRST® Tech Challenge is a student-centered program that focuses on giving students a unique and stimulating experience. Each year, teams engage in a new game where they design, build, test, and program autonomous and driver operated robots that must perform a series of tasks. To learn more about *FIRST*® Tech Challenge and other *FIRST*® Programs, visit www.firstinspires.org.

Gracious Professionalism®

FIRST® uses this term to describe our programs' intent.

Gracious Professionalism® is a way of doing things that encourages high-quality work, emphasizes the value of others, and respects individuals and the community.

Watch Dr. Woodie Flowers explain *Gracious Professionalism* in this short video.

Learn more about the roles of volunteers on our Volunteer Resources page, "Volunteer Role Description".

Introduction to Dual Division

Dual Division events must be configured in the FTC Scoring system FIRST Tech Challenge Scoring (firstinspires.org) by the region admin as a dual division event with division names two weeks prior to the start date.

After the event, once the division winners are identified, the divisions will need to be merged into the event_0 or parent event within FTC Live to hold the finals and determine the winner of the event. This guide is intended to help you walk through the steps to successfully run and merge the divisions. This guide will not go into detail of the features of FTC Live or FTC Scoring. For more information on how to use FTC Live, please refer to the complete Scorekeeper Manual.

Important Notes:

- A new dual division event requires explicit permission from *FIRST* headquarters. The PDP must apply for a new dual division event using the "Dual Division" application on SharePoint.
- Creating a dual division event must be done in FTC Scoring and use the official FTC Live dual division release for the season which usually comes out in December.
- Configuring the event occurs in cloud-based FTC Scoring system by a PDP or designated admin at least two weeks before the event and the transfer to the FTC Live dual division release.

System requirements for setting up a dual division event include:

- Single scorekeeper server running the event_0 and both divisions.
- Multiple Match Control/Admin laptops (one per division).
- Devices connected on the same private network.

NOTE: The system supports running separate servers for each division, then importing results back into a server, if necessary.

System Configuration
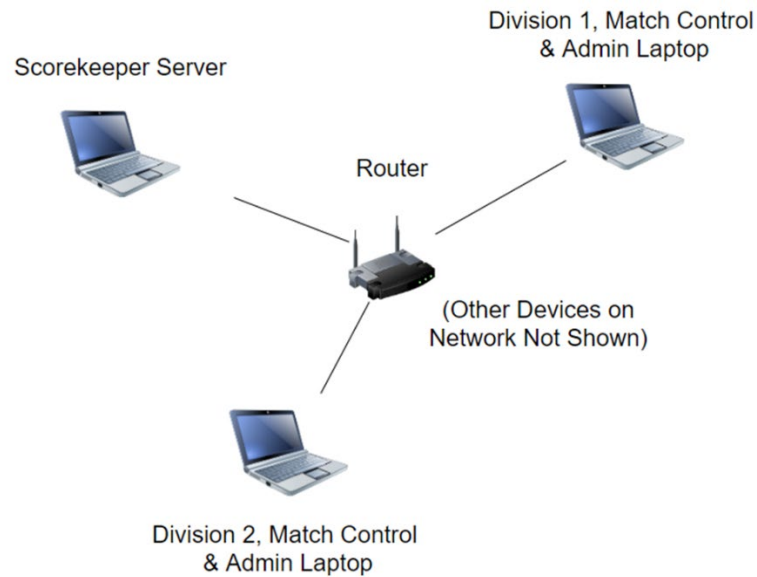
Dual Division Setup in Cloud-based FTC Scoring

Create a Dual Division (DD) Event

1. PDP/Admin logs into the *FIRST* Tech Challenge Scoring system to configure the event two weeks prior.

Important Note: The "Convert to Dual Division" button only appears for regions that have HQ-approved only DD events.

2. Configure the dual divisions.
   Note: Division abbreviations should be four (4) characters or less.

3. Add teams to the parent event (USTXCPELT1 in this example) in ftc-scoring. Add teams to each division using the Assign Divisions button on the lower left-side of the page.

Note: To edit the division, select the team Add/Edit. Edit the "Division" field.

4. On the Parent event dashboard, each of the divisions appear.

Important Note: If you select a division to assign teams, they will be added to both the parent event and the division. Removing a team from this page will NOT remove them from the parent event.

5. To run the event, go back to the parent event dashboard.
6. Select the Play Event Locally button to transfer to FTC Live.

Play Locally in downloadable FTC Live

Generate Matches for Each Division
Once the teams have been assigned to a division, generate the matches:
1. Select the Division dropdown to each division.
2. Open the division's dashboard, the display will show either dualdivision_1 Dashboard or dualdivision_2 Dashboard.
3. Select Create Match Schedule. This will have to be done for both divisions.

4. Select Run Matchmaker to create a division's schedule.

5. Each division will have its own Match Control Page. Each division must be scored on the correct Match Control Page to show the results of the dual division in the parent event's Generate Interdivisional Final section.
This will generate matches between the divisions in the interdivisional final.
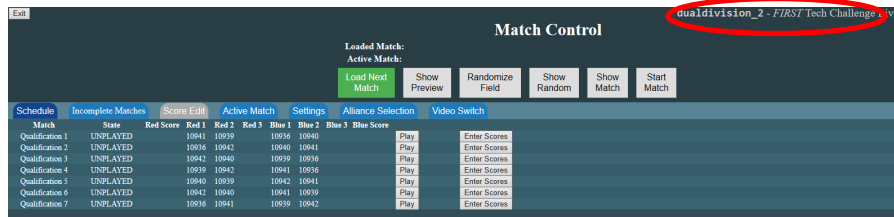
Generate the Interdivisional Final

Enter scores for both divisions before generating the interdivisional finals. Once the scores are input, the interdivisional match will be listed on the parent event, Match Control Page (dualdivision_0)
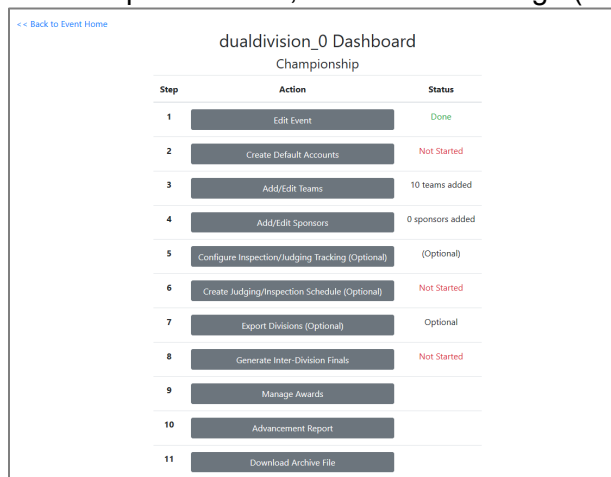
- **Note:** If the scores have not been completed in the Match Control Page, the Generate Inter-Division Finals button will not work.
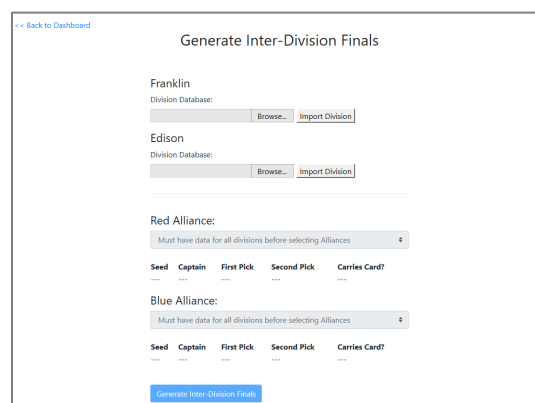
Results will appear on ftc-events FTC Event Web : Home (firstinspires.org) as the parent event and the divisions will display the winners in each division.

Appendix A – Resources

Game Forum Q&A
https://ftc-qa.firstinspires.org/

Anyone may view questions and answers within the *FIRST*® Tech Challenge game Q&A forum without a password. To submit a new question, you must have a unique Q&A system username and password for your team.

Volunteer Forum
Volunteers can request access to role specific volunteer forums by emailing FTCTrainingSupport@firstinspires.org. You will receive access to the forum thread specific to your role.

FIRST Tech Challenge Game Manuals
Part 1 and 2 - https://www.firstinspires.org/resource-library/ftc/game-and-season-info

FIRST Headquarters Pre-Event Support
Phone: 603-666-3906
Mon – Fri
8:30am – 5:00pm
Email: Firsttechchallenge@firstinspires.org

FIRST Tech Challenge Event On-Call Support
The on-call event support number is available for event personnel only. Please **do not** call these numbers if you are a team looking for a ruling, a decision, or assistance. We trust that you will not misuse this resource.

Day of event robot control system and scoring system support: 603-206-2450
All other day of event support: 603-206-2412

FIRST Websites
FIRST homepage – www.firstinspires.org

FIRST Tech Challenge Page – For everything *FIRST* Tech Challenge.

FIRST Tech Challenge Volunteer Resources – To access public volunteer manuals.

FIRST Tech Challenge Event Schedule – Find *FIRST* Tech Challenge events in your area.

FIRST Tech Challenge Social Media
FIRST Tech Challenge Twitter Feed - If you are on Twitter, follow the *FIRST* Tech Challenge Twitter feed for news updates.

FIRST Tech Challenge Facebook page - If you are on Facebook, follow the *FIRST* Tech Challenge page for news updates.

FIRST Tech Challenge YouTube Channel – Contains training videos, game animations, news clips, and more.

FIRST Tech Challenge Blog – Weekly articles for the *FIRST* Tech Challenge community, including outstanding volunteer recognition!

FIRST Tech Challenge Team Email Blasts – contain the most recent *FIRST* Tech Challenge news for teams.

Feedback
We strive to create support materials that are the best they can be. If you have feedback about this manual, please email firsttechchallenge@firstinspires.org. Thank you!