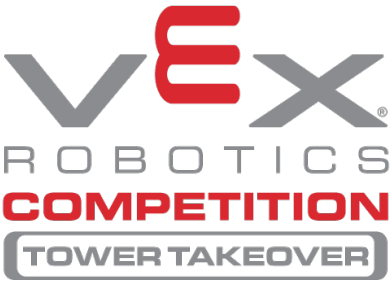
Q&A

VRC 2019-2020: Tower Takeover

Tagged: G9



Welcome to the official VEX Robotics Competition Question & Answer system, where all registered teams have the opportunity to ask for official rules interpretations and clarifications. This Q&A system is the only source for official VRC Tower Takeover rules clarifications, and the clarifications made here from the Game Design Committee (GDC) are considered as official and binding as the written Game Manual itself.

Please review the Q&A Usage Guidelines before posting. This system is only intended for specific VRC Tower Takeover rules questions.

- **For event, registration, or other competition support questions, please contact your REC Foundation Regional Support Manager.**
- **For VEX technical support, contact support@vex.com or sales@vex.com.**
- **For game questions, suggestions, or concerns outside of specific and official rules questions, contact GDC@vex.com.**

How to Referee the unintentional shifting of cubes while strategically placing cube with RSC5 rule

G9 G17 RSC5

With RSC5 allowing teams to move cubes to a 'strategic' position in Programming Skills, the most common place to move the cube is along the wall, inside a Blue/Red cube.

<RSC5> A Team may handle their Robot as many times as desired during a Programming Skills Match. b. Any Game Objects being controlled by the Robot while being handled must be removed from the Robot and gently placed in a non-Scored position by the Team.

As a Skills Referee, how do we handle the situation when a team uses RSC5 to move a cube in between the wall and a Blue/Red cube, but unintentionally bumps/moves/shifts the position of the cube that was already there.

1. Would this fall under G9 where "Drivers are prohibited from making intentional contact with any Field Element, Game Object, or Robot during a Match, except for the allowances..". It is match effecting, it determines whether a team can get 10 more points, moving them up/down in the rank. If so, how do we decide to warn or DQ in this situation.

2. If no warning or DQ, then what do we do about the cube that was shifted? Leave it? Move it back?
3. Or do we do nothing. Just ignore that the students unintentionally shifted game elements while they strategically place a cube?
4. Or do you have other insight in how to handle this?

Can you help me give a skills referee direction in how to handle this specific situation for an upcoming State Championship?

> **Answered by Game Design Committee**
>
> We believe this question is answered in this similar Q&A, specifically the following portion:
>
> > It is impossible to issue a blanket ruling that would encompass all hypothetical states of the field / Cubes. That said, any interaction between a Driver and a Game Element (that is not being reset per G17) would be considered a violation of G9.
>
> Regarding your questions 2, 3, and 4, it should be handled as any other G9 violation would be handled.
>
> > Violations of this rule will result in a warning for minor offenses that do not affect the Match. Score affecting offenses will result in a Disqualification. Teams who receive multiple warnings may also receive a Disqualification at the Head Referee's discretion.
> >
> > Note: Accidental contact may result in a warning, Disqualification, or Disablement at the Head Referee's discretion.

Using Flags from Turning Point

G9

In an earlier question it was confirmed that parts from the IQ game Bankshot would be deemed legal to use as Lexan. I wanted to verify that the Flags and the platform fit under the same ruling.

> **Answered by Game Design Committee**
>
> > In an earlier question it was confirmed that parts from the IQ game Bankshot would be deemed legal to use as Lexan. I wanted to verify that the Flags and the platform fit under the same ruling.
>
> This is the Q&A that you are referring to:
>
> www.robotevents.com/VRC/2019-2020/QA/325
>
> The response references R9, quoted here and bolded for emphasis:
>
> > <R9> A limited amount of custom plastic is allowed. Robots may use non-shattering plastic from the following list; polycarbonate (Lexan), acetel monopolymer (Delrin), acetal copolymer (Acetron GP), POM (acetal), ABS, PEEK, PET, HDPE, LDPE, Nylon (all grades), Polypropylene, FEP; **as cut from a single 12" x 24" sheet up to 0.070" thick**.
>
> The Turning Point Flags are made of polycarbonate, and have a thickness of 1.6mm (0.063"). Therefore, they meet the constraints listed in this rule, and would be legal.
>
> The Turning Point Platforms are made of polycarbonate, but are 2.4mm (0.094") thick. Therefore, they do not meet the constraints listed in this rule, and would not be legal.