



Society of Petroleum Engineers  
 Drilling Systems Automation  
 Technical Section (DSATS)  
 International University Competition  
 2022 – 2023



# Drillbotics® FAQs

Revision 1

15 December 2022

## 1. Introduction

This year marks the ninth competition for the title of Drillbotics® champion. Teams will create a virtual rig (Group A) may build and operate a physical rig (Group B). Both will attempt to drill the same directional well. Group A has an option this year to interface with a well control simulation model. The Drillbotics committee wrote Guidelines for the competition, but there are inevitably some areas of confusion, which we hope to clarify here.

These FAQs are a response to questions posed by various teams throughout the year and are updated as frequently as practicable. Updates will be posted on the Drillbotics.com blog, and it is the responsibility of each team to keep up to date, as these FAQs and the blog become an amendment to the Guidelines. Teams are encouraged to enroll to receive notification of new posts on the blog page [www.Drillbotics.com/blog](http://www.Drillbotics.com/blog)

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This updated FAQ shows the latest revisions highlighted in **yellow**.

## 2. Frequently Asked Questions

### Appendix A: Section B> Group A well control option:

The video recordings of the webinars explaining the OpenLab simulator and the Docker and SPARQL tools are available via these links. These videos are unlisted and available to anyone who has the link.

Playlist

<https://www.youtube.com/playlist?list=PLdoTPHjhXVXqbccfnv77x4Y-958KaSQKw>

Version	Date	Section	Description
2023.00	16 Sept 2022	All	Initial release
2023.01	15 Dec 2022	Appendix A Sec. B>	Videos for Group A well control option

Videos

Simulator description

<https://www.youtube.com/watch?v=iLsgFRW5Ujk&list=PLdoTPHjhXVXqbccfnv77x4Y-958KaSQKw&index=1>

Semantics process

<https://www.youtube.com/watch?v=5ED5e-SO4hA&list=PLdoTPHjhXVXqbccfnv77x4Y-958KaSQKw&index=2>

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