

## 2018/2019 ROBOT GAME SECRET MISSIONS

### Missions

#### Scoring Requirement Signals

- Within the Mission descriptions, specific scoring requirements are written in **GREEN**.
- Methods with an asterisk "\*" must be the **ONLY** ones used, and must be **OBSERVED** by the referee .
- **Underlined RESULTS/CONDITIONS** must be visible at the END of the match.
- For each Mission, only the text following **"TECHNICALLY SPEAKING"** is used for scoring.

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**SM01 – RESEARCH:** Space Stations allow us to learn about and even practice living in space. They can also be used for other research and experimental purposes in areas such as technology, physical and materials science, human research, and much more! That said, how about we do some studying?

- Move the Water and/or Gas Core Sample so it is inserted completely into the Habitation Hub's Airlock Chamber

**Customized Field Setup Instructions:** Remove the Meteoroid and Meteoroid Ring from its placement on the Field. Center the Gas Sample on the Meteoroid Ring's mark and place the Water Core Sample in Base. Please note that the original setup (per Field Setup Guide) should stand for remaining missions.

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**SM02 – LANDER SAFETY:** You may have realized this year that the Lander is quite fragile and "landing" is not as easy as it seems. Here is a unique spin and additional constraints on this year's Lander Touch-Down. Now let's see what you can do to keep it safe.

- **\*The Lander never had contact with the Robot.**
- Move the Lander so it is NOT touching the mat, completely in its Target Circle, and intact
- Move the Lander so it is NOT touching the mat, completely in its Northeast Planet Area, and intact

*The Lander is "Intact" if its parts are connected by at least two of its four tan location axles.*

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**SM03 – FREE-FLOAT:** In the year 1984, an astronaut free-floated in space for the first time. Now it's Gerhard's turn!

- Gerhard is Independent and Supported by the Top Ledge of the Escape Velocity Model

*As a Mission requirement, the word "Independent" means "not touching any of your Equipment."*

*As a Mission requirement, the word "Supported" means "100% of its weight is held up **and** kept from falling."*

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