

# Science Olympiad 2016-2017 Season Wind Power Checklist / Data Sheet

Version 1.0

## Event and Construction Requirements

- 2.a. Reference materials secured in 3 ring binder
- 2.b. Blade and box are labeled and impounded
- 2.c. Competitors wear eye protection during Part I
- 3.a. Competitors bring only 1 blade assembly
- 3.a. Assembly is attached to 12.0 cm CD
- 3.b. CD not modified and fits on mount
- 3.c. Assembly radius  $\leq 20\text{cm (B)} / 14\text{cm (C)}$
- 3.d. Assembly has only nonmetallic substances
- 3.e. Commercial kits / third-party designs have functional modifications
- 3.f. Blade assembly doesn't extend behind CD
- 3.g. Competitors must be able to answer questions about the assembly per the Building Policy

## Part II: Written Test

Exam Score \_\_\_\_\_

## Low Speed Testing

|  |       |   |
|--|-------|---|
| Max Voltage  | _____ |   |
| 4.d. Uncorrected construction violations during measurement period | Y     | N |
| 4.e. Exceeded 3 minutes testing period                             | Y     | N |
| Any competition violations:  | Y     | N |
| Blade stopped turning for 10+ seconds                              |       |   |
| Pieces detached from blade   |       |   |
| Touched blade / stand during measurement period                    |       |   |

## High Speed Testing

|  |       |   |
|--|-------|---|
| Max Voltage  | _____ |   |
| 4.d. Uncorrected construction violations during measurement period | Y     | N |
| 4.e. Exceeded 3 minutes testing period                             | Y     | N |
| Any competition violations:  | Y     | N |
| Blade stopped turning for 10+ seconds                              |       |   |
| Pieces detached from blade   |       |   |
| Touched blade / stand during measurement period                    |       |   |

## Team Information

Team #: \_\_\_\_\_

Team Name:

\_\_\_\_\_

Competitor Names:

\_\_\_\_\_

\_\_\_\_\_

## Penalties

|   |   |   |
|---|---|---|
| No assembly or modified CD                              | Y | N |
| DQed for unsafe operation                               | Y | N |
| Construction violations corrected during testing period | Y | N |
| Missed impound  | Y | N |

## Team Verification

4.j. I verify this sheet correctly records my team's blade assembly testing data.

Competitor Name \_\_\_\_\_

Signature \_\_\_\_\_