**Informative 04**

São Paulo, 24thJune, 2022.

**Ref.: Design Validation - Deliverable Templates**

***Deliverable 01***

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| **University** | University Name  |
| **Vehicle # / Team**  | 00 – Team’s Name |
| **Captain Name** | Captain Name |
| **Professor Name** | Professor Name |

*2022 Northeast competition Targets and Goals*

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| **Submission Date:**  |
| **Events** | **Targets** |
| Time 0-30 m (s) | Multiple targets for different conditions are acceptable. |
| Speed at 100 m (Km/h) | Do not split this table, leave blank spaces if necessary. |
| Max Traction Force (N) |  |
| Turn Radius (mm) |  |
| Braking Distance (mm) |  |
| Width (mm) |  |
| Wheelbase (mm) |  |
| Total Weight (Kg) |  |
| Ground clearance without driver (mm) |  |
| Prototype allocated budget (R$) | How much your team is investing in the prototype |

*Project Management Plan*

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***Deliverable 02***

*Validation Report*

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*Design Freeze*

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*Validation Plan*

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***Deliverable 03***

*Technical Specification Sheet*

Technical Specification sheet should be sent along this deliverable as a separate document, the template is described on Design Evaluation Informative.

*Test Results for 2022 Northeast competition*

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| **Events** | **Targets** | **Results** | **Error Margin (%)** | **Justification** |
| Time 0-30 m (s) |  |  |  |  |
| Speed at 100 m (Km/h) |  |  |  |  |
| Max Traction Force (N) |  |  |  |  |
| Turn Radius (mm) |  |  |  |  |
| Braking Distance (mm) |  |  |  |  |
| Width (mm) |  |  |  |  |
| Wheelbase (mm) |  |  |  |  |
| Total Weight (Kg) |  |  |  |  |
| Ground clearance without driver (mm) |  |  |  |  |

**Targets:** Replicate Deliverable 1 Information

**Results:** Input virtual simulation result values

**Error Margin (%):** If multiple targets/results, add error margin for all conditions the highest will be considered

Error margin formula: $Error=\left|\left(1-\frac{Result}{Targets}\right)\right|×100$

Remember to add screenshots of calculations, virtual measurements etc as evidence for each event to avoid penalties.

*Evidences*

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