|  |
| --- |
| Informative 05 |

Salvador, August 4th, 2030

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

***Deliverable 01 – Due date: 28/08/2020***

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

*2020 Issues*

|  |
| --- |
| **26ª Competição Baja SAE BRASIL - Petrobras** |
| Team’s biggest Issue | Root Cause | Permanent Correction | Prevent Recurrence |
| Describe the biggest issue faced by the **TEAM**.Highest competition result impact issue | Which was the lead event which caused it to happen?Show methodology and steps to reach presented cause. | Which action was taken to permanently fix this issue?Show solution robustness | Which action was taken to make sure the team won’t ever make the same mistake again? |
|  |
| Vehicle’s biggest Issue | Root Cause | Permanent Correction | Prevent Recurrence |
| Describe the biggest issue occurred on the **VEHICLE**.Highest competition result impact issue | Which was the lead event which caused it to happen?Show methodology and steps to reach presented cause. | Which action was taken to permanently fix this issue?Show solution robustness  | Which action was taken to make sure the team won’t ever make the same mistake again? |

*2021 Northeast competition Targets and Goals*

|  |
| --- |
| **Submission Date:**  |
| **Events** | **Targets** |
| Time 0-30 m (s) | Multiple targets for different condition 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*

|  |
| --- |
| (5 pages maximum) |

***Deliverable 02 – Due date: 18/09/2020***

*Virtual Validation Report*

|  |
| --- |
|   |

*Virtual Validation Plan*

|  |
| --- |
| (Virtual Validation Plan and Report must haveup to 4 pages in length (maximum size))  |

***Deliverable 03 – Due date: 16/10/2020***

*Project modifications in progress*

|  |
| --- |
| (3 pages maximum)  |

***Deliverable 04 – Due date: 30/10/2020***

*Technical Specification Sheet*

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

*Targets and Goals for 2021 Northeast competition*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **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 described on Informative 4.