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| **Informative 03** |

Salvador, May 22th, 2019

**Ref.: Design Validation**

***Deliverable 01 – Due date: 13/06/2019***

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

*2019 Issues*

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| **25ª 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? |
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| 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? |

*2019 Northeast competition Targets and Goals*

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| **Submission Date:**  |
| **Events** | **Targets** |
| Time 0-30m(sec) | Multiple targets for different condition are acceptable. |
| Speed at 100m(Km/h) | Do not split this table, leave blank spaces if necessary. |
| Max Traction Force(N) |  |
| Turn Radius(mm) |  |
| Braking Distance(mm) |  |
| Width(mm) |  |
| Wheel Base |  |
| Total Weight(Kg) |  |
| Ground clearance without driver (mm) |  |

***Deliverable 02 – Due date: 25/07/2019***

*Validation Report*

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*Design Freeze*

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*Validation Plan*

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| The team may use 4 pages maximum. |

***Deliverable 03 – Due date: 12/09/2019***

*Vehicle complete and ready for testing*

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| Provide vehicle photos replicating CAD images sent on **Deliverable 2**.Vehicles must be fully complete, please refer to **Deliverable 3** section on Design Evaluation informative to understand what is required to consider vehicle complete. |

***Deliverable 04 – Due date: 03/10/2019***

*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 2019 Northeast competition*

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| **Events** | **Targets** | **Results** | **Error Margin (%)** | **Justification** |
| Time 0-30m(sec) |  |  |  |  |
| Speed at 100m(Km/h) |  |  |  |  |
| Max Traction Force(N) |  |  |  |  |
| Turn Radius(mm) |  |  |  |  |
| Braking Distance(mm) |  |  |  |  |
| Width(mm) |  |  |  |  |
| Wheel Base |  |  |  |  |
| Total Weight(Kg) |  |  |  |  |

**Targets:** Replicate Deliverable 1 Information

**Results:** Input result values

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

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