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|  | **DRR** | **DRR** | | | **PDR/PDP** | | | | | **FDR/FDP** | | | | | | | | | | |
| **TASK ID** | **TASK** | **2/8** | | **2/15** | **2/22** | | **3/1** | | **3/8** | **3/15** | | **3/22** | | **3/29** | | **4/5** | **4/12** | | | **4/19+** |
| **1** | **DRR** |  | | |  | |  | |  |  | |  | |  | |  | |  | |  |
| 1.1 | Engine selection |  | |  |  | |  | |  |  | |  | |  | |  | |  | |  |
| 1.2 | High level aerodynamics |  | |  |  | |  | |  |  | |  | |  | |  | |  | |  |
| 1.3 | Similarity Analysis |  | |  |  | |  | |  |  | |  | |  | |  | |  | |  |
| 1.3 | High level configuration |  |  |  |  | |  | |  |  | |  | |  | |  | |  | |  |
| 1.3.1 | OpenVSP model |  |  |  |  | |  | |  |  | |  | |  | |  | |  | |  |
| 1.4 | Freeze Lines | 2/16 | | |  | |  | |  |  | |  | |  | |  | |  | |  |
| 1.5 | Draft | 2/17 | | |  | |  | |  |  | |  | |  | |  | |  | |  |
| 1.6 | Submission | 2/18 | | |  | |  | |  |  | |  | |  | |  | |  | |  |
| **2** | **PDR** |  | |  |  | | | | |  | |  | |  | |  | |  | |  |
| 2.1 | External CAD |  | |  |  | |  | |  |  | |  | |  | |  | |  | |  |
| 2.2 | High level performance (spreadsheet) |  | |  |  | |  | |  |  | |  | |  | |  | |  | |  |
| 2.3 | Sizing optimization |  | |  |  | |  | |  |  | |  | |  | |  | |  | |  |
| 2.4 | Load estimation |  | |  |  | |  | |  |  | |  | |  | |  | |  | |  |
| 2.5 | Systems/arms selection |  | |  |  | |  | |  |  | |  | |  | |  | |  | |  |
| 2.5.1 | High level systems integration |  | |  |  | |  | |  |  | |  | |  | |  | |  | |  |
| 2.6 | Low-fidelity mass properties |  | |  |  | |  | |  |  | |  | |  | |  | |  | |  |
| 2.7 | Preliminary stability and controls |  | |  |  | |  | |  |  | |  | |  | |  | |  | |  |
| 2.8 | Mid-level aerodynamics (drag polars) |  | |  |  | |  | |  |  | |  | |  | |  | |  | |  |
| 2.9 | Freeze Lines |  | |  | 3/10 | | | | |  |  | |  | |  | |  | |  | |
| 2.9 | Draft |  | |  | 3/14 | | | | |  |  | |  | |  | |  | |  | |
| 2.10 | Submission |  | |  | 3/16 | | | | |  |  | |  | |  | |  | |  | |
| **3** | **PDP** |  | |  |  | | | | |  |  | |  | |  | |  | |  | |
| 3.1 | Freeze Lines |  | |  | 3/11 | | | | |  |  | |  | |  | |  | |  | |
| 3.2 | Draft |  | |  | 3/14 | | | | |  |  | |  | |  | |  | |  | |
| 3.2.1 | Submission |  | |  | 3/17 | | | | |  |  | |  | |  | |  | |  | |
| **4** | **FDR** |  | |  |  |  | |  | |  | | | | | | | | | | |
| 4.1 | CFD/FEA |  | |  |  |  | |  | |  |  | |  | |  | |  | |  | |
| 4.2 | High-fidelity mass properties |  | |  |  |  | |  | |  |  | |  | |  | |  | |  | |
| 4.3 | Internal CAD |  | |  |  |  | |  | |  |  | |  | |  | |  | |  | |
| 4.4 | Full systems integration |  | |  |  |  | |  | |  |  | |  | |  | |  | |  | |
| 4.5 | Certification verification |  | |  |  |  | |  | |  |  | |  | |  | |  | |  | |
| 4.6 | Structural analysis |  | |  |  |  | |  | |  |  | |  | |  | |  | |  | |
| 4.7 | Cost analysis |  | |  |  |  | |  | |  |  | |  | |  | |  | |  | |
| 4.8 | Complete stability/control analysis |  | |  |  |  | |  | |  |  | |  | |  | |  | |  | |
| 4.9 | Total vehicle optimization |  | |  |  |  | |  | |  |  | |  | |  | |  | |  | |
| 4.10 | Freeze Lines (Class) |  | |  |  |  | |  | | 4/23 | | | | | | | | | | |
| 4.11 | Draft (Class) |  | |  |  |  | |  | | 4/27 | | | | | | | | | | |
| 4.12 | Submission (Class) |  | |  |  |  | |  | | 4/29 | | | | | | | | | | |
| 4.13 | Freeze Lines (AIAA) |  | |  |  |  | |  | | 5/10 | | | | | | | | | | |
| 4.14 | Draft (AIAA) |  | |  |  |  | |  | | 5/12 | | | | | | | | | | |
| 4.15 | Submission (AIAA) |  | |  |  |  | |  | | 5/14 | | | | | | | | | | |
| **5** | **FDP** |  | |  |  |  | |  | |  | | | | | | | | |  | |
| 5.1 | Freeze Lines |  | |  |  |  | |  | | 4/14 | | | | | | | | |  | |
| 5.2 | Draft |  | |  |  |  | |  | | 4/17 | | | | | | | | |  | |
| 5.3 | Submission |  | |  |  |  | |  | | 4/20 | | | | | | | | |  | |