INSPECTED BY: _____

_____

**PASSED? Y N**

Classification

# 1U++ CubeSat Acceptance Checklist

# MISSION: NASA VCLS- LauncherOne

## PROJECT MANAGEMENT INFORMATION:

ORGANIZATION: _____ ENGINEER(S): _____ DATE/TIME: _____

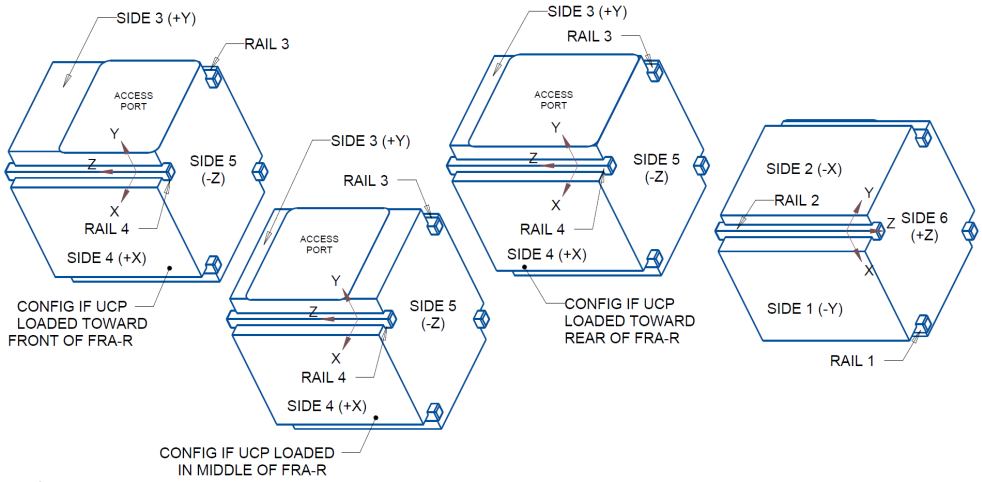
SV NAME: _____ _____ LOCATION: _____

SV SERIAL #: _____ _____

## DIMENSIONAL REQUIREMENT VERIFICATION: (Coordinate system in figure below; units in mm)

| **DIMENSION:** | **MEASURED DISTANCE IN MM** | | | | |
|---|---|---|---|---|---|
| **WIDTH BETWEEN RAILS** (± X ± Y) | **SIDE 1** (-Y) | **SIDE 2** (-X) | **SIDE 3** (+Y) | **SIDE 4** (+X) | **REQUIREMENT** |
| REAR (-Z) | _____ | _____ | _____ | _____ | 100.0 + 0.2/ -0.5 |
| MIDDLE (0) | _____ | _____ | _____ | _____ | 100.0 + 0.2/ -0.5 |
| FRONT (+Z) | _____ | _____ | _____ | _____ | 100.0 + 0.2/ -0.5 |
| **PROTRUSIONS BEYOND RAILS** | **SIDE 1** (-Y) | **SIDE 2** (-X) | **SIDE 3** (+Y) | **SIDE 4** (+X) | **SIDE 5, 6 (±Z)** |
| | _____ | _____ | _____ | _____ | _____ _____ |
| REQUIREMENT | ≤ 14.0 | ≤ 9.5 | ≤ 14.0 | ≤ 9.5 | ≤ 6.5 |
| **RAIL LENGTH** (± Z) | **RAIL 1** (+X, -Y) | **RAIL 2** (-X, -Y) | **RAIL 3** (-X, +Y) | **RAIL 4** (+X, +Y) | **REQUIREMENT** |
| | _____ | _____ | _____ | _____ | 113.0 - 118.5 |
| **STANDOFFS** | **RAIL 1** (+X, -Y) | **RAIL 2** (-X, -Y) | **RAIL 3** (-X, +Y) | **RAIL 4** (+X, +Y) | **REQUIREMENT** |
| +Z RAILS | ____ L x ____ W | ____ L x ____ W | ____ L x ____ W | ____ L x ____ W | ≥ 6.5 |
| -Z RAILS | ____ L x ____ W | ____ L x ____ W | ____ L x ____ W | ____ L x ____ W | ≥ 6.5 |

**ANNOTATE ON FIGURES**: Envelope excursions, connectors, deployables, and/or RBF pin locations




## OTHER REQUIREMENTS

| | | | | | |
|---|---|---|---|---|---|
| SV WET MASS [kg]: | _____ | Are **Spring Plungers** functional? | Y | N | N/A |
| REQUIREMENT | ≤ 2.0 | Are depressed **Spring Plungers** flush with standoffs? | Y | N | N/A |
| | | Are **Deployment Switches** functional? | Y | N | N/A |
| RBF PIN [mm] | _____ | Are depressed **Deployment Switches** flush w/ standoffs? | Y | N | N/A |
| REQUIREMENT | ≤ 6.5 | Are **Rails** anodized? | Y | N | N/A |
| | | Are all **Deployables** constrained? | Y | N | N/A |