

July 2023

To Whom it May Concern –

The following information has been determined to be unclassified, non-proprietary to Lockheed Martin and publicly releasable:

- 1) The following table presents the GPS III SV06 (SVN79) antenna phase center offsets of the L1, L2 and L5 signals for the Earth Coverage (EC) antenna deck. These values are measured with respect to the Space Vehicle center of mass.

| | X (inches) | Y (inches) | Z (inches) |
|---------|------------|------------|------------|
| L1 freq | 2.6332 | -1.0607 | 43.7955 |
| L2 freq | 2.6219 | -1.0032 | 23.6661 |
| L5 freq | 2.6371 | -1.0048 | 24.7467 |

- 2) The following table presents the group delay (TGD) and inter-signal correction (ISC) values measured at the factory.

| Inter-Signal Corrections Parameters | | |
|--|--------------|--------------|
| Parameter | Value | Units |
| T(GD) (L1P-L2P) | -9.81E-09 | Seconds |
| ISC(L1C/A) | -3.52E-10 | Seconds |
| ISC(L1Cp) | -7.27E-10 | Seconds |
| ISC(L1Cd) | -3.02E-10 | Seconds |
| ISC(L2C) | -1.49E-09 | Seconds |
| ISC(L2PY) | 6.35E-09 | Seconds |
| ISC(L5I5) | -9.95E-09 | Seconds |
| ISC(L5Q5) | -9.96E-09 | Seconds |