
Statement of York Space Systems LLC
Application File No. 1500-EX-CN-2023, Call Sign WO2XEK

August 16, 2024

York Space Systems hereby confirms that the demisability analyses it has provided to the Commission in connection with John Hopkins University Applied Physics Laboratory's experimental license application are accurate and complete.¹ In its original submission and supplemental responses, York has documented its exhaustive analysis on JHU APL's specific configuration and demonstrated that the integrated York spacecraft platform and JHU APL payload meet or exceed all applicable demisability requirements.²

York specializes in the production of mission-ready spacecraft platforms. It produces the same spacecraft platform from mission to mission. JHU APL's payload on the York satellite bus is exposed to the same shielding and the same heating environment upon re-entry as any other payload that might be installed on a York satellite bus. The JHU APL spacecraft shielding design and location are identical to those of other York spacecraft platforms referenced in the present application file, and the design components are expected to heat and demise during reentry in the same way as past, successfully analyzed York spacecraft.

For the avoidance of doubt, York assessed the JHU APL design integration with the York spacecraft platform using DAS analysis. York did *not* combine outputs of the JHU APL analysis with results from any other studies or assessments. While York has tested the York satellite platform using other demisability models, including NASA's General Mission Analysis (GMAT) tool and the Atmospheric Heating and Breakup (AHaB) tool and found similarly successful demisability outcomes with each test, York has not mixed-and-matched results from prior tests with the test of the JHU APL system in any way. References to the compliance of nearly identical satellite configurations in other test settings simply reinforce the already robust showing of JHU APL's demisability compliance using DAS analysis.

¹ York Space Systems Orbital Debris Mitigation Analysis and Plan, ELS Application No. 1500-EX-CN-2023 (filed Feb. 20, 2022), <https://apps.fcc.gov/els/GetAtt.html?id=342986&x=>.

² *Id.*; Correspondence from Christopher Haskins to Hung Le, ELS Application No. 1500-EX-CN-2023 (filed Mar. 13, 2024), <https://apps.fcc.gov/els/GetAtt.html?id=345007&x=>; York Space Systems LLC Response to FCC Demisability Questions, ELS Application No. 1500-EX-CN-2023 (filed May 6, 2024), <https://apps.fcc.gov/els/GetAtt.html?id=349566&x=0>; York Space Systems LLC Response to FCC Demisability Questions, ELS Application No. 1500-EX-CN-2023 (filed June 14, 2024), <https://apps.fcc.gov/els/GetAtt.html?id=352793&x=>.