

From: Alexander Potter

To: Behnam Ghaffari

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Subject: 0424-EX-CN-2020

Message:

Correspondence Reference Number: 55272

Question #5: Indicate if you will be employing your propulsion for collision avoidance and/or station-keeping.

Our water-based propulsion system will be used primarily for station keeping and can be used for collision avoidance if necessary. Below are some technical details of the capabilities of the prop system. Further, Umbra can submit a more detailed Collision Avoidance Process if required. When notified of a collision potential we will work with the relevant parties to formulate a collision-avoidance plan.

On-Board Propulsion Metrics:

?V: 130 [m/s]

Nominal Acceleration: 2.6×10^{-4} [m/s²]

ISP: 180 [sec]