## SYMPOSIUM ON VISIONS AND STRATEGIES FOR FAR FUTURES (D4) Space Elevators and Tethers (4)

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## PRELIMINARY SYSTEMS REQUIREMENTS FOR THE SPACE TOILET ON THE SPACE TRAIN

## Abstract

The Space Train will experience a climb and descent from and to the ground resulting in gradual gravitational acceleration changes from 1G to 0G and back to 1G. In this manuscript, the preliminary systems requirements for the Space Toilet for the Space Train is described. There are two separate Space Toilet requirements included since there are two types of trains. One Train type is the limited express, called "Earth Express", bound for the "Earth View Station", which is located in 1200 km from the surface of Earth. The other Train type is the sleeper car, called "Galaxy Express", bound from the "Earth View Station" for the "Geo-synchronous Station".