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Conceptualizing Space Elevators and Tethered Satellites (3)

Author: Dr. Peter Swan
International Space Elevator Consortium, United States, dr-swan@cox.net

GALACTIC HARBOUR DUALITY – ENTERPRISE AND INFRASTRUCTURE

Abstract

The Galactic Harbour is the combination of at least two space elevators into a coordinated infrastructure for movement of payloads up and down to/from space and multiple commercial enterprises throughout the regions. One of the principle elements of the International Space Elevator Consortium's (ISEC) action plan towards operational space elevators is to understand its customer utilization. The Galactic Harbour operates in a continuous manner, moving customer payloads and support material within Climbers; moving along Tethers. The Climbers rise from the Earth Port toward exit gates at the GEO Region, or the Apex Region above. The delivered payloads are the future's new versions of today's operating satellites; and the support material is seen as "spare parts" for payload repair, refueling, and more. The Galactic Harbour would then be the area incorporating an Earth Port [on the ocean, with incoming and outgoing ships/helicopters and airplanes]; stretched up in a cylindrical shape including two tether columns towards an Apex Anchor region. Products [satellites, people, resources, etc.] would enter the Galactic Harbour around the Earth Port and exit at some point along the tether [to LEO, to GEO region, to Mars, Moon, asteroids, intergalactic, towards the sun] depending on where they is released.