

Undocking Interfaces (Successful Spacecraft Docking and Undocking)									
space		space port							EventHelix.com/EventStudio 2.0
spacecraft		central proc							
pilot	auto dock	broadcast mgr	spaceship obj mgr	spaceship obj	docking	undocking	orbit allocator	docking allocator	05-Jul-03 16:41 (Page 1)

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LEG: Orbit Resource is Available
LEG: Docking Port is Available

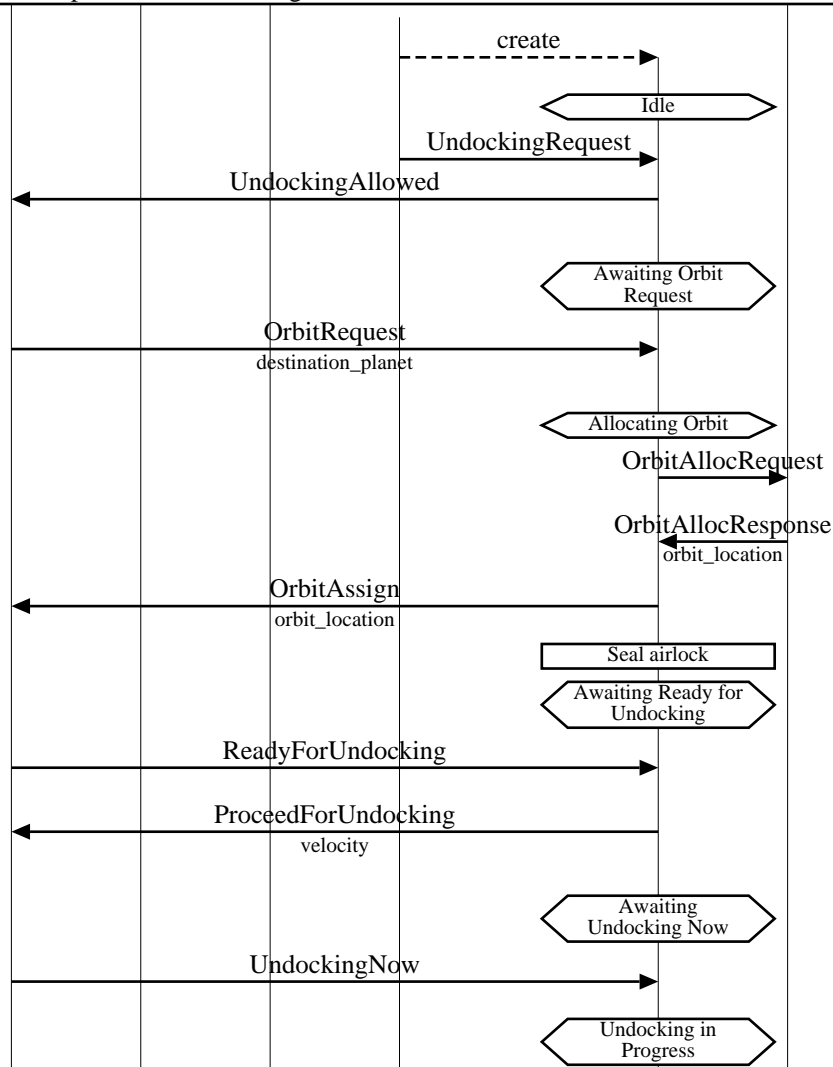
Spacecraft reaches the assigned orbit

A docking or undocking that is already in progress finishes

Spacecraft reaches the assigned port and attains the same orbit and velocity as the docking station

Spacecraft docking has been completed

Spacecraft wishes to depart from the docking station



Object undocking is created to handle the undocking procedure

Spacecraft is informed when the undocking procedure can proceed

Spacecraft requests for a temporary orbit. The destination planet is specified

Request orbit allocator to assign a tempory orbit

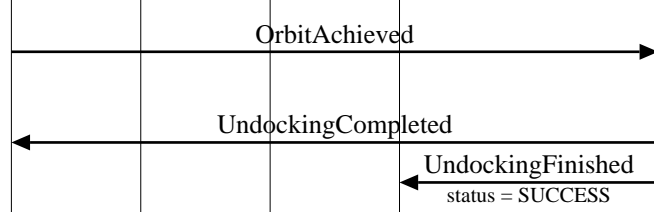
Inform details of the assigned orbit to spacecraft

Spacecraft informs that it is ready to leave

The docking station indicates to proceed for undocking with the recommended velocity

Spacecraft leaves for the assigned orbit

Spacecraft reaches the assigned orbit

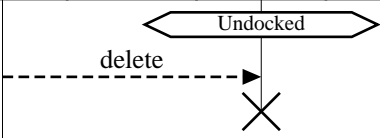


Spacecraft informs the docking station that the assigned orbit has been reached

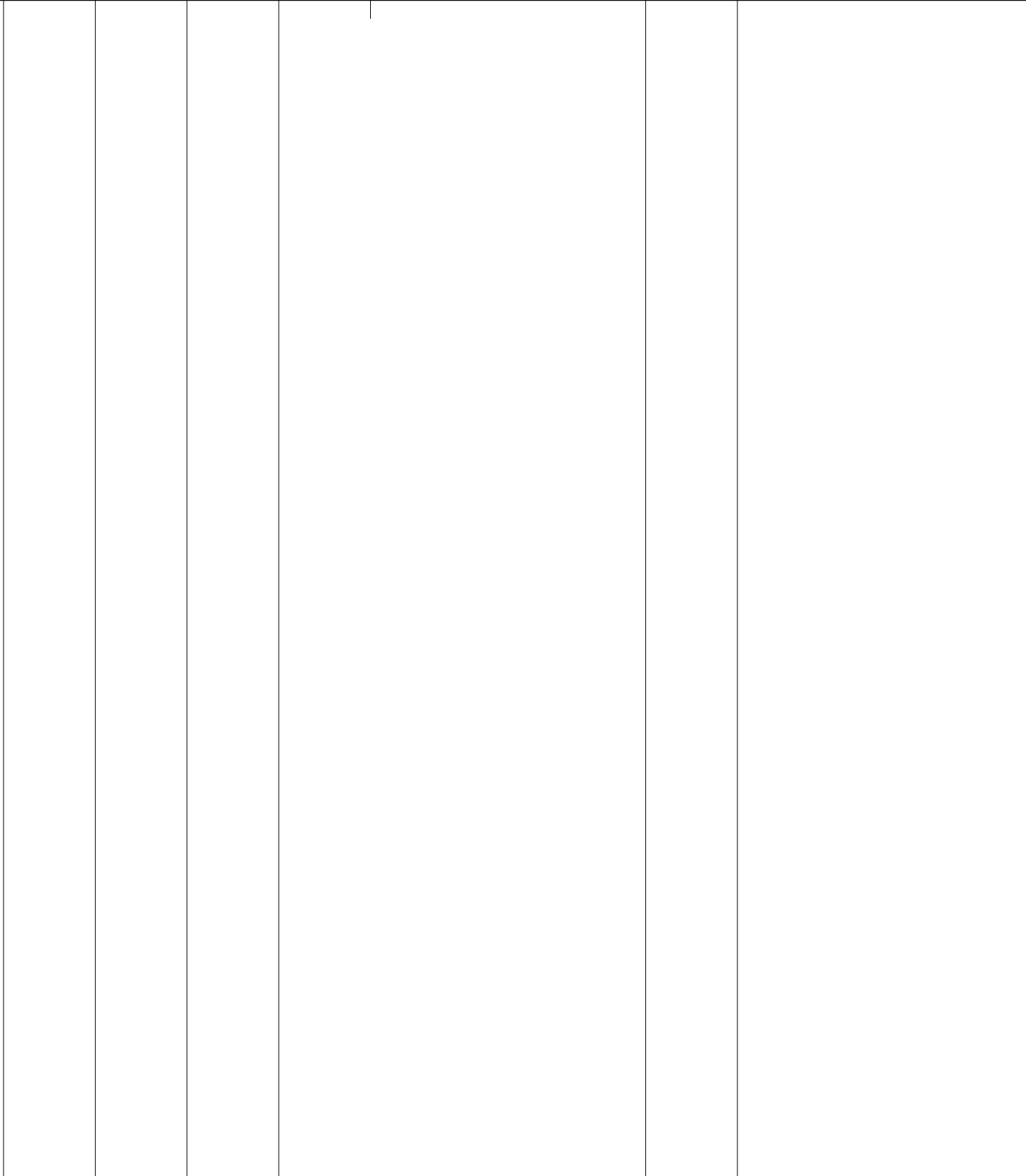
Inform spaceship obj that undocking has finished successfully

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The docking station schedules next docking or undocking request



Undocking Interfaces (Orbit Resource not Available)									
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LEG: No Orbit Resource Available

Undocking Interfaces (Docking Resource not Available)									
space		space port							EventHelix.com/EventStudio 2.0
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LEG: Orbit Resource is Available
LEG: No Docking Ports Available