

Kytaro Qyatu (Transfer Vortex)

Kytaro Qyatu is a way of transferring personnel and equipment from one point to another, it came into use in [756 CY \(YE 37\)](#).

About the Kytaro Qyatu

The Kytaro Qyatu is a short range use of wormhole technology to create a stable vortex through which personnel and equipment can pass. The system has a limited range and the two locations must be stable. The system uses [Heim Force Generator](#) to create a small vortex in space. The vortex is a weak worm hole that effectively compresses space between two points. The transfer point is about .3 meters in depth so a person can step through it. Caution must be taken to avoid touching the energy of the vortex. The Kytaro Qyatu has a high energy requirement, so it can only be installed on class 3 vessels or larger.

The mechanism for creating the Kytaro Qyatu is sizable about 6.25 meters in diameter.

The system can be equipped with a [Anoka Niuwuny'te \(Atmospheric Shield\)](#) or [Anoka Saalfofi \(Sterility Shield\)](#) as needed. One specific instance would be if there is a significant pressure variance between the points.

Safety

When the Kytaro is formed, the mechanism can deploy a ramp with hand rails that extends through to the target.

History

The requirement for a system to facilitate boarding or off loading a ship quickly was realized in 631 CY. This was the rescue and salvage operation of the [Wunyaka Vonai \(Ark\)](#) Âdor-Pedavuome (Stormy sky). The operation was hindered by the damage to the ship, and the limited number of docking points that were operational.

A number of concepts were explored initially, but the Kytaro Qyatu was the one selected as having the most promise. Prototype systems were tested in 754 CY, and in 756 CY they were available for large ships.

Operation

For the Kytaro Qyatu to be stable, there can be no movement between the two. So a ship must be maintaining the same velocity, and attitude as the one it is going to initiate with. Both ships must also

have no pitch or roll.

It is possible to use the Kytaro Qyatu to transfer between a ship in orbit and point on the surface.
Provided the ship is in a geosynchronous orbit above that point.

Once the coordinates are programmed the vortex is formed within 60 seconds. It is capable of making a portal of 3-5 meters in diameter.

The vortex at the target looks like [this](#), only a bit larger.

Restrictions

- Ships can not be in FTL
- Ships can not have defensive shields engaged, [Anoka Wotanu'pa \(Defense Shield\)](#), or [Combined Field System](#) or equivalent
- Ship can not be engaging their [Tinvyma Movidoanor \(Tunnel Drive\)](#)
- Ship can not be operating their [Anoka Udano \(Gravity Shield\)](#)
- Must be within 18,282 miles (29,422 km), distance must remain constant.
- Attitude between the two points must be stable.
- High energy discharges should not be fired through will cause the vortex to collapse.
- Physical contact with the vortex is dangerous without protective gear.
- The area where the opening is to be created must be clear.
- A ship can only operate one Kytaro Qyatu system at a time.

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