

Infinite Improbability Drive Technical Manual

Document ID: IID-TRM-42-REV1

Revision: 1.7

Prepared by: Quantum Propulsion Research Directorate

Classification: Pan-Galactic Experimental Technology

Abstract: The Infinite Improbability Drive (IID) is a quantum-probabilistic propulsion system enabling faster-than-light traversal by inducing controlled improbability states. The drive functions by passing through every possible point in the universe simultaneously, selecting the desired destination state through guided probability collapse.

1. System Architecture

The IID core consists of a Probability Field Generator (PFG), a Bambleweeny 57 Sub-Meson Brain, and a Finite Normality Anchor (FNA). Together, these subsystems maintain vessel coherence during universal state fluctuation events.

Subsystem	Function	Primary Material
Probability Field Generator	Induces universal improbability wave	Superconducting niobium-titanium
Sub-Meson Brain	Destination state computation	Organic positronic lattice
Normality Anchor	Reality stabilization	Graviton-damped alloy
Quantum Vector Array	Directional probability biasing	Photonic crystal matrix

2. Operational Parameters

The IID requires precise improbability thresholds to avoid uncontrolled metaphysical side effects such as spontaneous cetacean manifestation or temporary transformation of crew into household objects.

Parameter	Minimum	Nominal	Maximum	Unit
Improbability Index	10^6:1	10^12:1	10^24:1	Ratio
Quantum Field Density	4.2e9	7.8e9	9.5e9	J/m³
Reality Phase Variance	0.002	0.0001	0.0005	Δφ
Transit Duration	0.8	1.0	1.3	seconds
Causality Drift	±0.5	±0.05	±1.2	milliseconds

3. Energy & Safety Specifications

Power for the IID is typically supplied by a Heart of Gold-class quantum reactor. Energy release must be synchronized with improbability harmonics to maintain crew integrity across all possible states of existence.

Specification	Value	Unit
Peak Energy Requirement	2.8e15	Joules
Sustained Power Draw	3.5e12	Watts
Harmonic Stabilization Frequency	42.0	THz
Probability Field Containment	99.9997	%
Emergency Reversion Time	250	ms

WARNING: Exceeding recommended improbability thresholds may result in permanent probability inversion, recursive existence loops, or spontaneous generation of highly improbable lifeforms within the vessel interior.