Worldline Manual

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This document defines the **Worldline Scientific Documentation System**, the structure used to design, explain, and classify the scientific foundations of Worldline.

It contains five core components: **Scientific Classification, Blueprints, Anatomy Maps, Planet Prints, and Technical Articles**.

Together, these provide a consistent system for documenting Worldline machines, species, planets, technologies, and mechanisms while clearly showing which areas are supported by established science, which are scientifically plausible, and which are deliberately invented for Worldline.

The document also contains the **3-phase Worldline Comic Release Process**, which provides a separate pathway for proposing and developing stories created within the Worldline universe.

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Worldline Scientific Classification

Standardized classification system used across all Worldline documentation for each major claim, mechanism, structure, or design element.

Note for authors:

Scientific classifications should be assigned to the best of the author's ability. A small margin of error is expected because scientific interpretation is not always absolute and no individual can account perfectly for every field involved. The aim is not to claim perfect certainty, but to explain the science as clearly and accurately as possible and classify it in good faith.

1. Branch Prefix

P	B	C	M	E	S
Physical Sciences	Biological Sciences	Chemical Sciences	Mathematics	Engineering & Technology	Social Sciences

2. Discipline Tag

P — Physical Sciences

P-PHY	General physics	**P-REL**	Relativity
P-QTM	Quantum physics	**P-AST**	Astrophysics
P-PLN	Planetary science	**P-ATM**	Atmospheric science

B — Biological Sciences

B-BIO	General biology	**B-ANA**	Anatomy
B-BMC	Biomechanics	**B-PHS**	Physiology
B-EVO	Evolution	**B-GEN**	Genetics
B-ECO	Ecology	**B-ABI**	Astrobiology

C — Chemical Sciences

C-CHM	General chemistry	**C-BCH**	Biochemistry
C-ORG	Organic chemistry	**C-INR**	Inorganic chemistry

C-PCH	Physical chemistry	**C-GCH**	Geochemistry

M — Mathematics

M-MTH	General mathematics	**M-MDL**	Mathematical modelling
M-STA	Statistics		

E — Engineering & Technology

E-ENG	General engineering	**E-MEC**	Mechanical engineering
E-ELC	Electrical/electronic engineering	**E-ROB**	Robotics
E-CMP	Computing	**E-MAT**	Materials science
E-ENE	Energy systems	**E-AER**	Aerospace engineering

S — Social Sciences

S-SOC	Sociology	**S-ANT**	Anthropology
S-LIN	Linguistics	**S-ECO**	Economics

3. Scientific Grounding Subscript

Level	Status	Definition
X_0	*Observed*	Directly seen, measured, or experimentally demonstrated
X_1	*Established*	Strongly supported by accepted science
X_2	*Derived*	Follows logically from established science or mathematics
X_3	*Plausible*	Agrees with known science, but some important parts remain unproven
X_4	*Speculative*	Could work, but depends on several uncertain and untested ideas
X_5	*Frontier*	Requires major unknown discoveries, mechanisms or new science
$X_!$	*Invented*	A Worldline created mechanism or component
X_X	*Contradictory*	Conflicts with <u>current</u> established science

Example:

B-ANA$_2$

Branch: *Biology*, **Discipline:** *Anatomy*, **Scientific Grounding:** *2 = Derived*

Worldline Blueprints

Standardized Blueprints for Worldline machines, devices, structures, vehicles, tools, and engineered components.

1. **Identification**
   Blueprint Title, creator(s), version, publication date, and Worldline Document Identification ID assigned by Worldline.

2. **Technical Drawing**
   A clear drawing or schematic of the proposed machine, device, structure, vehicle, tool, or engineered component.

3. **Components**
   Major components should be labelled and identified directly on the blueprint.

Attached Worldline Technical Article

*Every Blueprint must have an accompanying **Worldline Technical Article**.*

The article should contain the following subsections:

1. Design & Construction
Explains the structure, important components, materials, dimensions, and construction of the design where relevant.
2. Mechanism & Operation
Explains how the system works, including its important mechanisms, energy source, inputs, outputs, controls, and component interactions.
3. Scientific Basis
Explains the real scientific principles used to support the design and where scientific assumptions or extrapolations have been made.
4. Constraints & Unknowns
Explains important limitations, operating conditions, failure conditions, unresolved questions, and deliberately invented elements using the **Worldline Scientific Classification**.

The accompanying article must also follow the standard **Worldline Technical Article** structure. **Worldline Scientific Classification is mandatory.** Real-World and Cross-Worldline References should be included wherever applicable.

Worldline Anatomy Maps

Standardized biological records for Worldline organisms, species, and biologically integrated entities.

1. **Identification**
   Organism name, Home world, creator(s), version, publication date, and Worldline Document Identification ID assigned by Worldline.

2. **Anatomical Drawing**
   A clear anatomical representation of the organism or biological entity, showing the body plan and relevant external or internal structures.

3. **Structures & Labels**
   Major organs, tissues, skeletal structures, muscles, sensory structures, biological systems, and other relevant anatomical features should be labelled.

Attached Worldline Technical Article

*Every Anatomy Map must have an accompanying **Worldline Technical Article**.*

The article should contain the following subsections:

1. Anatomy & Body Structure
Explains the body plan, major structures, organs, tissues, and important anatomical relationships.
2. Function & Physiology
Explains how the organism's major systems and structures function.
3. Biomechanics & Adaptation
Explains movement, strength, structural mechanics, environmental adaptations, and other relevant biomechanical features.
4. Biology & Evolution
Explains relevant biochemistry, metabolism, genetics, reproduction, development, evolution, ecology, or other biological processes where applicable.
5. Constraints & Unknowns
Explains uncertain biological mechanisms, limitations, assumptions, and deliberately invented features using the **Worldline Scientific Classification**.

The accompanying article must also follow the standard **Worldline Technical Article** structure. **Worldline Scientific Classification is mandatory.** Real-World and Cross-Worldline References should be included wherever applicable.

Worldline Planet Prints

Standardized planetary records for real, modified, or invented worlds represented within Worldline.

Planet Classification	Definition
Confirmed Planet	A real planet or exoplanet recognized and/or observed by current astronomy
Worldline-Adapted Planet	A real confirmed planet that is used as a scaffold for worldline extensions and modification
Worldline-Constructed Planet	A planet created/imagined specifically for Worldline using scientific constraints

1. **Identification**
   Planet name, Planet Classification, creator(s), version, publication date, and Worldline Document Identification ID assigned by Worldline.

2. **Planetary Representation/Drawing**
   A clear visual representation, map, sectional view, or other suitable depiction of the planet and its major features.

3. **Planetary Information**
   The Planet Print should display the key information needed to identify and understand the planet at a glance.
   Astronomical location, host star or stellar system, distance from Earth where applicable, major physical and environmental properties, and important biosphere or civilization features where relevant.

Attached Worldline Technical Article

*Every Planet Print must have an accompanying **Worldline Technical Article**.*

The content of the accompanying **Worldline Technical Article** must be consistent with the planet's assigned type:

1- Confirmed Planet: Established information must be supported by appropriate real-world scientific sources. Any Worldline additions, modifications, or unsupported interpretations must be clearly distinguished and assigned the appropriate **Worldline Scientific Classification**.

2 -Worldline-Adapted Planet: Confirmed scientific information must be cited from real-world sources, while all Worldline-created additions or extensions must be clearly identified and scientifically classified.

3 -Worldline-Constructed Planet: The planet must be developed using the relevant known principles of astronomy, planetary science, physics, chemistry, biology, and other applicable disciplines. Proposed or invented properties must receive the appropriate **Worldline Scientific Classification** according to their level of scientific grounding.

The article should contain the following subsections:

1. Astronomical Setting
Describes the planet's location and astronomical context, including its galaxy, stellar system, host star, distance from Earth, orbit, rotation, and other relevant relationships.
2. Planetary Environment
Describes the planet's major physical and environmental properties, including size, mass, gravity, atmosphere, climate, geology, surface conditions, and internal structure where relevant.
3. Biosphere
Describes the planet's habitability, ecosystems, biological conditions, and major life forms where applicable.
4. Civilization
Describes any civilization present on the planet, including settlements, infrastructure, population, technology, and other relevant features.
5. Scientific Constraints & Unknowns
Identifies important assumptions, uncertainties, unresolved scientific questions, and any created elements that are not currently supported by established science using the **Worldline Scientific Classification**.

The accompanying article must also follow the standard **Worldline Technical Article** structure. **Worldline Scientific Classification is mandatory.** Real-World and Cross-Worldline References should be included wherever applicable.

Worldline Technical Articles

Standardized explanatory articles that accompany all Worldline Blueprints, Anatomy Maps, and Planet Prints and may also be published independently to examine Worldline systems, principles, processes, mechanisms, corrections, proposals, or scientific questions.

1. **Identification**
   Assigned by Worldline. Includes article ID, author(s), revision, publication date, and status.

2. **Title**
   A direct description of the subject of the article (no jargon).

3. **Abstract**
   A short summary of what the article addresses and its main conclusion or proposal.

4. **Article**
   The main body of the publication. Authors may create their own headings and structure depending on the subject being discussed.

   When the article accompanies a **Blueprint, Anatomy Map, or Planet Print**, it must also contain the specific scientific and technical subsections required by that documentation type.
   The article should explain the subject as clearly and completely as possible while distinguishing established science, scientific interpretation, uncertainty, and deliberate Worldline invention.

5. **Real-World References**
   All scientific literature, books, datasets, technical sources, and other external references used in the article must be cited and formatted strictly according to **Vancouver style**.

6. **Cross-Worldline References**
   Relevant Blueprints, Anatomy Maps, Planet Prints, Technical Articles, Comics, and other official Worldline records must be cited in consistent **Vancouver style**.

7. **Worldline Scientific Classification**
   The relevant Worldline Scientific Classification must be included in every Technical Article and applied to all relevant scientific claims.

*Worldline Comic Development

Standardized 3-phase process for proposing, developing, and approving comics created within the Worldline universe.

Creators may propose new stories, characters, teams, species, civilizations, locations, historical events, or other narratives within Worldline. Proposals are reviewed progressively so that ideas can develop without requiring a complete comic before approval.

Phase 1: Concept Proposal

The first phase establishes the basic idea of the comic.

1. **Comic Aim**
   A short explanation of what the comic is intended to explore or introduce, such as a character's history, a new species, a new team, a villain, a planet, an event, or another part of Worldline.

2. **Core Concept**
   A brief description of the proposed story and its central idea.

3. **Creative Team**
   The names of the proposed team members and the role of each member, such as writer, artist, colourist, researcher, editor, or other relevant roles.

Phase 2: Development Proposal

The second phase establishes the planned scope and basic direction of the comic.

1. **Format & Length**
   The intended format of the project, including whether it is a one-shot, limited series, ongoing series, or another format, together with the approximate number of planned issues where applicable.

2. **Main Characters**
   The principal characters involved in the story, including the main protagonist or protagonists and antagonist or antagonists and side characters where applicable.

3. **Setting**
   The main location and period of the story, including relevant planets, civilizations, regions, spacecraft, space environments, historical periods, or other settings.

4. **Story Direction**
   An outline of the main direction of the comic and what the planned issues are intended to explore.

5. **First-Issue Cover Concept**
   A proposed cover design for the first issue showing the intended visual direction of the comic.

Phase 3: Final Proposal

The final phase develops the proposal far enough for approval for full comic production.

1. **Character Designs**
   Developed visual designs for the main characters appearing in the proposed comic.

2. **Character Profiles**
   The relevant background, role, motivation, relationships, abilities, and other information necessary to understand the principal characters.

3. **Issue Plot**
   A complete planned plot for the first issue, or for the entire comic where it is intended as a one-shot. Additional planned issues may also be outlined where available.

4. **Future Direction**
   A description of any planned continuation beyond the submitted issue, including future arcs, characters, locations, or developments where applicable.

5. **Worldline Continuity**
   A clear statement of whether the comic is intended to remain largely independent, expand an existing part of Worldline, or connect directly with the main Worldline storyline.

6. **Worldline Connections**
   Any existing Worldline characters, events, planets, species, technologies, Blueprints, Anatomy Maps, Planet Prints, Technical Articles, or other established material that the comic intends to use or affect.

A successful Phase 3 proposal receives a greenlight and may proceed toward production.

Formal agreements concerning publication, ownership, responsibilities, deadlines, continuity approval, and other production matters are handled separately after greenlight.