

InfoPreserver Rebuild Ladder

A Capability-Based Knowledge Taxonomy for Civilizational Recovery

Legend, Executive Summary, and Design Justification (with Ontology Tree)

Version 1.5 — DOCX Master for Word-to-PDF Conversion

This document defines the logic, structure, and intent of the InfoPreserver Rebuild Ladder. It is the authoritative guide for editors, reviewers, and institutional partners prior to launch.

Executive Summary

InfoPreserver is a curated knowledge repository designed to support civilization rebuilding after systemic collapse. It is not an academic archive; it is a recovery system.

Traditional libraries assume intact institutions, modern infrastructure, and stable supply chains. InfoPreserver assumes these may fail.

At its core is the Rebuild Ladder, a capability-based taxonomy that asks: "Given how far society has fallen, what knowledge is actionable now, and what enables the next step up?"

Knowledge is organized by recoverability and leverage rather than historical era or academic discipline.

The Ladder ranges from immediate survival (A0) through stabilized communities (A1), industrial bootstrapping (A2), infrastructure recovery (A3), advanced industry (A4), and frontier systems (A5).

The system is deliberately conservative, power-centric, and human-governed.

The Rebuild Ladder: Legend and Editor Guide

Purpose and Philosophy

InfoPreserver is not an archive of interesting documents. It is a civilizational recovery system. InfoPreserver exists to preserve not just information, but the ability to act. Its organizing principle is practical usability under degraded conditions.

The Rebuild Ladder Concept

The Rebuild Ladder is a capability ladder, not a historical timeline. Each level represents a minimum viable capability state a community could plausibly achieve given available materials, residual tools, surviving expertise, and social organization. Documents are classified by what capabilities they enable, what prerequisites they assume, and what they accelerate next.

Capability-Based Classification

A document belongs at the lowest ladder level where it becomes genuinely useful. Capability matters more than era, prestige, or academic discipline.

A0 — Survival Baseline

“Can humans stay alive?” Focus: immediate survival with minimal tools. Time horizon: days to weeks. Core capabilities: water acquisition & safety, fire & heat, emergency shelter, first aid & sanitation, navigation & signaling.

A1 — Stabilized Community

“Can people live here sustainably?” Focus: local continuity and basic organization. Time horizon: months to years. Core capabilities: food systems, water systems, permanent shelter, hygiene & sanitation, measurement & basic surveying, community safety. Includes non-electric cooling and cold storage such as root cellars, ice houses, evaporative cooling, and spring houses.

A2 — Industrial Seed (Critical Level)

“Can we bootstrap industry?” The fulcrum of recovery: reaching A2 enables non-linear acceleration. A2 includes Power Systems (mechanical, electrical, thermal), materials processing, fuels & combustion, chemistry I, standards/metrology, education/literacy, communications, and generalist professional formation. Refrigeration and heat pumps are treated as major accelerators with ancient and modern options.

A3 — Infrastructure Recovery

“Can systems scale beyond a town?” Regional systems and reliability: waterworks, sanitation networks, public health systems, environmental stewardship, cold chains, and thermal infrastructure.

A4 — Advanced Industry & Science

Precision, optimization, and research: electrical engineering, chemistry II, medicine II, computing, systems engineering.

A5 — Leapfrogs & Frontier

Cutting-edge and high-dependency systems preserved for future societies that may reach them faster than expected.

Reference & UNMAPPED Content

Reference folders preserve cross-disciplinary works without forced misclassification. UNMAPPED is not an error; it flags ambiguity for human review.

Governance and Automation

Folder structure is the constitutional source of truth. Automation suggests; humans decide. Structural changes are deliberate, reviewed, and versioned.

Design Justification: Why This System Is Different

Most knowledge systems assume intact institutions and modern infrastructure. InfoPreserver assumes collapse is possible and recovery is nonlinear.

Capability-based classification encodes prerequisites and actionability better than discipline-based systems in recovery contexts.

Power systems — mechanical, electrical, and thermal — are accelerators, not luxuries, because they compound productivity across all domains.

Advanced knowledge is not always late: electrification and refrigeration are old, widely understood, and often bootstrappable from residual technology.

Ambiguity is a signal, not a flaw. Reference buckets and UNMAPPED status make the repository adaptable and governable over time.

The folder structure is the constitution; scripts and workflows must serve it, not overwrite it.

Appendix A: Rebuild Ladder Ontology (Folder Tree)

The following folder tree defines the authoritative ontology for InfoPreserver. This structure is the constitutional source of truth for classification decisions.

□□ Folder PATH listing for volume Data

Volume serial number is 5423-C4B2

D:\INFOPRESERVER\COMBINE-ALL\REBUILD_LADDER_VFINAL

```
+---00_ReadMe_Maps
|   +---Defense_Content_Firewall.md
|   +---Dependency_Stacks.md
|   +---How_to_Use_This_Library.md
|   +---Professional_Pipelines_Overview.md
|   +---Promotion_Rules_and_Gates.md
|   +---Rebuild_Ladder_A0-A5.md
|   \---_Docs
+---10_A0_Survival_Baseline
|   +---Community_Safety
|   +---Core_Survival
|   |   +---Emergency_Shelter
|   |   +---Fire_and_Heat
|   |   +---First_Aid_and_Sanitation
|   |   +---Food_Acquisition
|   |   +---Water
|   |   \---Water_Safety
|   +---Navigation_and_Signaling
|   +---Professional_Roles
|   |   +---Field_Medics
|   |   +---Survival_Instructors
|   |   \---Watch_and_Warning_Coordinators
```

```
| \---Psychological_Triage
+---20_A1_Stabilized_Community
| +---Community_Safety
| | +---Conflict_Deescalation
| | +---Fortification_Basics
| | \---Watch_and_Warning
| +---Core_Systems_I
| | +---Energy_Basics
| | +---Food_Systems
| | | \---Preservation
| | | \---Cooling_and_Cold_Storage
| | | +---Cold_Rooms_NonElectric
| | | +---Evaporative_Cooling
| | | +---Ice_Houses
| | | \---Root_Cellars
| | +---Hygiene_and_Sanitation
| | +---Materials_Basics
| | +---Shelter_and_Building
| | \---Water_Systems
| +---Culture_and_Cohesion_I
| +---Governance_I
| | +---Councils_and_Customary_Law
| | \---Dispute_Resolution
| +---Measurement_Basics
| | \---Surveying
| +---Professional_Roles
| | +---Community_Medics
| | +---Local_Administrators
```

```
| | +---Master_Craftspeople
| | +---Mediators
| | \---Teachers_and_Literacy_Leads
| | \---Transportation_I
+---30_A2_Industrial_Seed
| +---Communications_I
| +---Core_Systems_II
| | +---Agriculture_II
| | +---Chemistry_I
| | +---Civil_Engineering_I
| | | +---Earthworks_and_Foundations
| | | +---Roads_and_Drainage
| | | +---Small_Bridges
| | | \---Surveying
| | +---Energy_I
| | | \---Fuels_and_Combustion
| | +---Materials_Processing
| | | +---Ceramics_and_Lime
| | | +---Glass
| | | +---Metallurgy
| | | \---Paper_and_Textiles
| | | +---Leatherworking
| | | \---Textiles_Reference
| | \---Mechanical_Systems
| +---Defense_I
| | +---Fortifications
| | +---Logistics_and_Supply
```

- | | +---Nonlethal_Tactics
- | | \---Small_Unit_Coordination
- | +---Education_II
- | +---Logistics_and_Warehousing
- | +---Manufacturing_I
 - | | +---Interchangeable_Parts
 - | | +---Jigs_and_Fixtures
 - | | +---Machine_Tools
 - | | \---Quality_Control
- | +---Power_Systems_I
 - | | +---Electrical_Power
 - | | | +---Electrical_Safety_and_Maintenance
 - | | | +---Small_Generation
 - | | | | +---Engine_Driven_Generators
 - | | | | +---Hand_and_Pedal_Generators
 - | | | | +---Hydroelectric_Micro
 - | | | | \---Wind_Generators
 - | | | +---Storage
 - | | | | +---Batteries
 - | | | | +---Flywheels
 - | | | | \---Gravity_Storage
 - | | | \---Wiring_and_Distribution_Basics
 - | | +---Mechanical_Power
 - | | | +---Animal_and_Human_Power
 - | | | +---Mechanical_Windmills
 - | | | +---Power_Transmission
 - | | | | +---Belts
 - | | | | +---Gears

```
| | | | +---Pulleys
| | | | \---Shafts
| | | +---Tidal_and_Current_Mechanical
| | | \---Waterwheels_and_Mills
| | \---Thermal_Systems
| |     +---Heat_Pumps
| |     | +---Air_Source_Heat_Pumps
| |     | +---Ground_Source_Heat_Pumps
| |     | \---Hydronic_Systems
| |     \---Refrigeration
| |         +---Absorption_Refrigeration
| |         +---Electric_Refrigeration
| |         +---Ice_Making
| |         +---Mechanical_Refrigeration
| |         \---Refrigerants_and_Safety
| +---Professional_Roles
| | +---Accountants_and_Record_Keepers
| | +---Apothecaries
| | +---Curriculum_Designers
| | +---Engineers_in_Training
| | +---General_Physicians
| | +---Midwives
| | +---Surgeons
| | \---Trade_Masters
| +---Standards_and_Metrology_I
| \---Transportation_I
|     \---Lighter_Than_Air
```

```
|          +---Aerostats_and_Balloons
|          +---Gas_Airships
|          \---Hot_Air
+---40_A3_Infrastructure_Recovery
|  +---Core_Systems_III
|  |  +---Civil_Engineering_II
|  |  |  +---Bridges
|  |  |  +---Dams_and_Reservoirs
|  |  |  +---Flood_Control
|  |  |  +---Road_Networks
|  |  |  \---Urban_Layout
|  |  +---Energy_II
|  |  |  +---Electrification
|  |  |  |  \---Training_NEETS
|  |  |  +---Grid_Basics
|  |  |  +---Hydropower
|  |  |  \---Storage_Systems
|  |  +---Sanitation_II
|  |  +---Thermal_Infrastructure_II
|  |  |  +---Cold_Chain_Logistics
|  |  |  +---District_Heating_and_Cooling
|  |  |  +---Industrial_Refrigeration
|  |  |  \---Walk_In_and_Commercial_Systems
|  |  +---Transportation_II
|  |  |  +---Animal_Traction
|  |  |  +---Boats_Barges
|  |  |  +---Carts_Wagons
|  |  |  \---Ports_and_Harbors
```

- | | \---Waterworks_II
- | +---Economics_and_Exchange
- | +---Education_III
- | +---Environmental_Stewardship
- | +---Governance_II
- | | +---Administrative_Law
- | | +---Civil_Registries
- | | \---Property_and_Contracts
- | +---Professional_Roles
- | | +---Civil_Defense_Coordinators
- | | +---Infrastructure_Operators
- | | +---Judges_and_Arbiters
- | | +---Licensed_Physicians
- | | +---Professional_Engineers
- | | \---Public_Health_Officers
- | +---Public_Health_Systems
- | | +---Epidemiology
- | | +---Hospitals
- | | \---Sanitation_Administration
- | \---Standards_and_Metrology_II
- +---50_A4_Advanced_Industry_and_Science
- | +---Advanced_Systems
- | | +---Advanced_Civil_Engineering
- | | +---Chemistry_II
- | | | \---DOE_Training_Handbooks
- | | +---Computing_I
- | | +---Electrical_Engineering

- | | | \---DOE_Training_Handbooks
- | | +---Medicine_II
- | | +---Precision_Manufacturing
- | | +---Risk_and_Failure_Analysis
- | | \---Systems_Engineering
- | +---Defense_II
- | | +---Advanced_Weapons
- | | +---Electronic_Warfare
- | | \---Modern_Doctrine
- | +---Education_IV
- | +---Governance_Design
- | \---Professional_Roles
- | | +---Institutional_Architects
- | | +---Legal_Scholars
- | | +---Scientific_Researchers
- | | +---Senior_Engineers
- | | \---Specialist_Physicians
- +---60_A5_Leapfrogs_and_Frontier
- | +---Failure_and_Regression_Notes
- | +---Frontier_Systems
- | | +---Advanced_Manufacturing
- | | +---Advanced_Materials
- | | +---AI_and_Automation
- | | +---Biotechnology
- | | +---Communications_Advanced
- | | +---Renewables_Advanced
- | | \---Space_and_Remote_Sensing
- | \---Professional_Roles

- | +---Ethics_Oversight_Boards
- | +---Systems_Risk_Reviewers
- | \---Technology_Governance_Councils
- +---70_Defense_and_Civil_Security
 - | +---Civil_Defense_and_Emergency_Management
 - | +---Community_Safety_and_Watch
 - | +---Continuity_and_Diplomacy
 - | +---Defense_Source_Quarantine
 - | +---Defensive_Architecture
 - | \---Governance_Ethics_and_Law
- +---80_Culture_and_Social_Cohesion
 - | +---Art_and_Music
 - | +---Community_Identity
 - | +---Conflict_Mediation
 - | +---Psychological_Resilience
 - | \---Ritual_and_Tradition
- +---90_Reference_and_Indexes
 - | +---Electrical_Tables
 - | +---Fasteners_and_Threads
 - | +---General_Handbooks
 - | +---Maps_Charts_Languages
 - | +---Material_Properties
 - | +---Medical_Reference_Caution
 - | +---Misc_Reference
 - | \---Units_and_Conversions
- \---99_Source_Archives_By_Collection
 - | +---Boy_Scouts

+---DOE_Handbooks

+---Historical_Texts

+---Military_Manuals_Non_Tactical

+---NEETS_Modules

\---USDA_Bulletins

Appendix B: General Parameters

1. All documents will be in PDF and be printable in case it is desired. PDF is platform agnostic enough to persist in usefulness in event of a crash.
2. All documents must be in the public domain, except where the author grants rights to include their work.
3. All submissions will be vetted. This will not be an open wiki, to ensure veracity and usefulness of the repository. We welcome collaboration, but need to control content quality.

Lastly, not a rule, but a goal is to get the entire Repo to fit on a 1TB flash drive. We may go over at some point, but it is a goal.