

Dependency Stacks

Capability chains that show what must be stabilized before promotion

PURPOSE

This guide is part of the v1.8 editorial test library. It explains how to use the structure without treating the current proposal as irrevocable.

Water and sanitation

A0	locate, carry, boil, filter, isolate contamination
A1	wells, hand pumps, storage, latrines, soap, community waste handling
A2	pump manufacture, controlled chemical dosing, industrial cleaners
A3	municipal waterworks, sewerage, treatment plants

Shelter and thermal control

A0	emergency cover, fire, weather protection
A1	adobe, rammed earth, timber, thatch, passive solar, insulation
A2	engineered materials, powered production, standardized components
A3	public buildings, bridges, codes, regional construction systems

Food and agriculture

A0	acquisition, safety, emergency cooking
A1	seed saving, soil, animals, preservation, fermentation
A2	mechanization, controlled environments, industrial processing
A3	regional logistics, public health, storage and distribution networks

Tools and production

A0	recover tools, hardware, containers, cordage
A1	repair, blacksmithing, casting, hand-tool making, manual instruments
A2	machine tools, powered manufacture, standard parts, quality control
A3	depots, heavy maintenance, standards and regional supply

Energy and electrification

A0	heat, fire, safe power isolation, battery recovery
A1	human/animal power, water wheels, windmills, passive solar, electrical salvage
A2	generators, regulation, motors, powered workshops, industrial fuels
A3	grids, regional generation, distribution and system protection

Knowledge reproduction

A0	emergency records, symbols, messages
A1	literacy, hand copying, bookbinding, papermaking, relief/stencil printing
A2	print shops, powered duplication, radio and technical catalogs
A3	archives, public information networks, institutional education

The A1-to-A2 transition stack

A2 should be a prepared promotion, not a leap. The Workshop Transition and A2 Preparation branch organizes the bridge.

PROMOTION SEQUENCE

Safe workshop layout -> salvaged prime movers and shaft power -> measurement standards -> parts inventories -> lubrication and bearings -> first electrification -> feedstock quality -> apprenticeships -> A2 readiness review

Readiness evidence

- Critical tools can be maintained and reproduced.
- Energy supply is reliable enough for the intended powered process.
- Safety procedures exist for fire, electricity, pressure, chemicals, and rotating machinery.
- Measurements and parts are repeatable enough for interchangeability.
- Operators and apprentices can preserve the skill beyond one expert.
- Feedstocks, lubricants, spares, and records have sustainable sources.