



Capability Development Framework

Technology Roadmapping: A Decision-Focused Architecture

Moonbow connects technical ambition to measurable progress, critical dependencies, and evidence-based decisions as the effort grows in scale and complexity.

01

VISION

Define target capabilities

Define the capability or outcome the effort is intended to create.

02

FIGURES OF MERIT

Define measurable progress

Establish measures that distinguish meaningful capability maturation from activity.

03

DEPENDENCIES

Identify what must mature first

Determine what depends on what, where ownership sits, and what can constrain progress.

04

GATES

Decision-gate evidence

Define the evidence required before the next commitment.

05

AUDITS

Periodic assumption reviews

Revisit assumptions, evidence, and progress as conditions change.

06

PIVOTS

Justified direction changes

Change scope, sequence, or direction when the evidence warrants it.

THE EXECUTIVE TEST

What must become true before we make the next consequential commitment of people, resources, or organizational support?

If the roadmap cannot answer that question, it may describe a direction without yet supporting a decision.

INDIVIDUAL RESEARCH → TEAM / LAB → CENTER / INITIATIVE → INSTITUTIONAL PURSUIT

One decision discipline, extended as technical, organizational, partner, and resource dependencies grow.