



MODULE MANUAL

Getting started, projects and model brief

From personal account to a clearly bounded engineering assignment

DOCUMENT BASIS

Product workflows, visible results, review criteria, evidence boundaries and controlled handover.



Document control

One controlled basis for public product guidance.

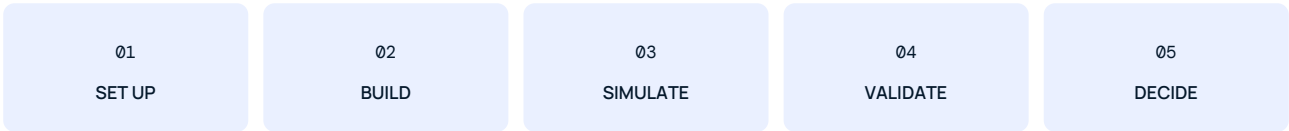
FIELD	VALUE
Document ID	M01-EN-4.2
Release	4.2
Reviewed	6 October 2026
Audience	Project lead, Process Development, MSAT, Reviewer, Administrator
Purpose	Which question should the model answer, for which project and with which evidence basis?
Owner	Acatian Product and Engineering

APPLICABILITY LIMIT

This manual explains the product workflow and the evidence needed to interpret its outputs. It does not replace qualified engineering judgement, customer quality systems, safety review, equipment-vendor data or validation for a regulated intended use.

Scope and use

Use the navigation path, input register, visible-result description, review criteria and handover record together. A screen or exported number without its model version, basis, unit, evidence status and limitations is not a controlled engineering result.

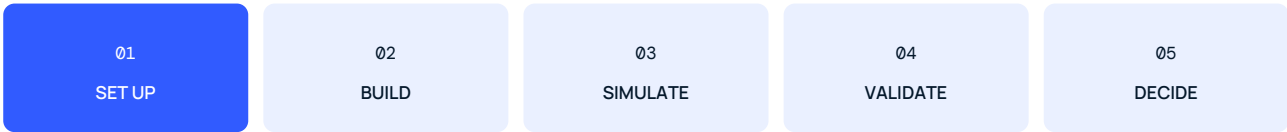


LANGUAGE

This document is written consistently in English. Product navigation names remain as displayed in the interface.

Getting started, projects and model brief

From personal account to a clearly bounded engineering assignment



ENGINEERING DECISION	PATH IN ACATIAN
Which question should the model answer, for which project and with which evidence basis?	Sign in > Set up > Model brief / Projects + versions / Plant overview

PRIMARY USERS	PERMITTED MATURITY
Project lead, Process Development, MSAT, Reviewer, Administrator	Draft or Screening; higher only after documented calibration and review

START WITH THE DECISION

This area defines what Acatian is allowed to calculate. A precise model brief prevents technically correct calculations from answering the wrong engineering question.

Expected artifacts

ARTIFACT	RECIPIENT
Module result package	Engineering reviewer
Readiness register	Model owner
Controlled version	Project team

Prepare the model

INPUT	WHY IT MATTERS	READY WHEN
Product and process family	Defines components, unit operations and default assumptions.	Product, organism/cell line and route are unambiguous.
Intended use	Defines the decision and required accuracy.	One question states target, scale and horizon.
System boundary	Prevents double counting and hidden exclusions.	Inlets, outlets, utilities, waste and exclusions are named.
Owner and reviewer	Establishes accountability and independent review.	A person or function is assigned to each role.
Data inventory	Separates measurements, sources, assumptions and gaps.	Unit, period, provenance and confidentiality are recorded.

Preflight check

CHECK	Confirm the correct project, branch and controlled version
CHECK	Verify units, provenance and permissions
CHECK	Save a restore point before a decision-relevant change
CHECK	Keep blocking gaps visible

Workflow

01

Check account context

Open profile, organisation, role and plan state.

VISIBLE RESULT: Active user and available capabilities match the assignment.

02

Create or open project

Set project name, product, owner and confidentiality.

VISIBLE RESULT: A separate project with a stable ID is active.

03

Write the model brief

Enter product, scale, mode, decision, boundary and data state.

VISIBLE RESULT: The brief describes intended use without contradiction.

04

Classify evidence

Register available files and mark missing evidence explicitly.

VISIBLE RESULT: Every critical input is a source, assumption or open gap.

05

Protect the baseline

Save the baseline and create a branch for changes.

VISIBLE RESULT: A restorable start point with a change note exists.

Review the result

CRITERION	PASS CONDITION	IF IT FAILS
Scope and structure	The documented criterion is satisfied and supported by traceable evidence.	Correct the model or keep the output Not decision-ready.
Units and balances	The documented criterion is satisfied and supported by traceable evidence.	Correct the model or keep the output Not decision-ready.
Evidence and uncertainty	The documented criterion is satisfied and supported by traceable evidence.	Correct the model or keep the output Not decision-ready.
Reproducibility	The documented criterion is satisfied and supported by traceable evidence.	Correct the model or keep the output Not decision-ready.
Review state	The documented criterion is satisfied and supported by traceable evidence.	Correct the model or keep the output Not decision-ready.

APPLICABILITY LIMIT

A complete model brief does not prove physical correctness. It defines what later evidence must demonstrate.

Troubleshooting

OBSERVATION	LIKELY CAUSE	CORRECTION
The result looks plausible but cannot be explained	Inputs, units, model version or evidence are missing.	Open the relevant register, restore traceability and rerun.
A change affects unexpected outputs	Dependencies or imported mappings were not reviewed.	Inspect the change plan and before/after diff; undo if required.
The module appears complete but readiness is low	Required industrial evidence is still missing.	Assign the visible gaps and keep maturity at Screening or Not decision-ready.

Controlled handover

ARTIFACT	RECIPIENT	MUST CONTAIN
Module result package	Engineering reviewer	Inputs, calculations, results, units, intervals, maturity
Readiness register	Model owner	Gap, required work, owner, due date, intended use
Controlled version	Project team	Branch, version, change note, reviewer and restore point

Completion check

CHECK	The active project, branch, version and intended use are visible.
CHECK	Inputs carry units, provenance, review state and uncertainty where relevant.
CHECK	Blocking model, physical, numerical and evidence gaps are closed or assigned.
CHECK	The result maturity matches the available evidence.
CHECK	The output package opens correctly and includes its limitations.

OPEN ACATIAN

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