

# PRE-IMPLEMENTATION

## READINESS &

## CONTINUITY ASSESSMENT

### Operational Capacity & Continuity Assessment

EDGE5 INDEPENDENT DESIGN AUTHORITY

#### PURPOSE

Many projects begin implementation before sufficient operational capacity exists locally.

Infrastructure, training, and resources are often introduced before:

- water realities are understood
- labour capacity is assessed
- household systems stabilise
- governance responsibilities become clear
- practical maintenance capability exists
- long-term operational continuity is realistically considered

This framework helps organisations assess:

- implementation readiness
- operational capability gaps
- training priorities
- continuity risks
- local maintenance capacity
- household survivability pressures
- post-handover vulnerability exposure

The framework focuses on whether sufficient practical operational capacity exists before implementation begins.

#### CORE QUESTION

**What practical operational capability must exist before implementation begins for long-term continuity to remain realistic?**

#### IMPORTANT

Many systems fail because implementation begins before:

- operational conditions are stable
- water access is reliable
- labour demands are realistic
- practical maintenance systems exist
- local operational authority develops
- household survivability pressures are understood

Training alone does not create readiness.

Operational readiness depends on:

- realistic sequencing
- manageable system design
- stable household function
- practical labour capacity
- distributed operational capability
- long-term continuity planning

Projects implemented before sufficient operational readiness exists often become vulnerable to:

- contractor dependence
- maintenance failure
- declining participation
- unrealistic operational complexity
- long-term external support requirements
- post-handover fragility

#### HOW TO USE THIS FRAMEWORK

Assess:

- operational readiness
- local capability

- seasonal pressures
- labour realities
- governance clarity
- training priorities
- continuity risks

Identify:

- capability gaps
- sequencing problems
- operational weaknesses
- training requirements
- mentoring needs
- implementation risks

Mark: YES / PARTIAL / NO

This framework is a strategic operational planning tool, a readiness assessment framework, and a continuity preparation review. It is not a generic training checklist, participation reporting tool, or workshop attendance framework.

## 01 WATER & DRY-SEASON READINESS

ASSESSMENT CRITERION	YES	PARTIAL	NO
Has long-term water reliability been realistically assessed?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Can systems function during the worst reliable dry period?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are water access realities understood locally?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Have infiltration, runoff, and storage requirements been assessed?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Have dry-season operating pressures been realistically considered?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

### STRATEGIC OBSERVATION

Many projects appear viable during favourable conditions but become vulnerable during predictable seasonal stress periods.

## 02 HOUSEHOLD & ZONE 1 STABILITY

ASSESSMENT CRITERION	YES	PARTIAL	NO
Are household food and water systems operationally realistic?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Have daily labour demands been realistically assessed?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are household systems manageable during hardship periods?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are core systems positioned around realistic daily movement patterns?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Has household survivability been prioritised before scaling?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

### STRATEGIC OBSERVATION

Stable household systems significantly improve long-term operational continuity and reduce dependency pressure during stress periods.

## 03 LABOUR & OPERATIONAL PRACTICALITY

ASSESSMENT CRITERION	YES	PARTIAL	NO
Are maintenance requirements realistically manageable long-term?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Have labour peaks been realistically assessed?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Can systems remain manageable during reduced staffing or fatigue?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are walking distances operationally practical?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Has long-term operational workload been realistically assessed?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

### STRATEGIC OBSERVATION

Systems that exceed realistic labour capacity often become dependent on external support regardless of infrastructure quality.

## 04 OPERATIONAL TRAINING & CAPABILITY

ASSESSMENT CRITERION	YES	PARTIAL	NO
Have critical operational skills been identified?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are training priorities linked to practical operational function?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are trainer development pathways identified locally?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Will operational knowledge remain locally distributed?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Have long-term mentoring requirements been realistically assessed?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

### STRATEGIC OBSERVATION

Training disconnected from practical operational function rarely creates long-term continuity.

## 05 GOVERNANCE & OPERATIONAL AUTHORITY

ASSESSMENT CRITERION	YES	PARTIAL	NO
Are operational responsibilities clearly understood?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Can local people adapt systems without outside permission?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Has operational authority transfer been realistically considered?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are maintenance responsibilities locally manageable?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Has post-withdrawal continuity been realistically assessed?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

### STRATEGIC OBSERVATION

Projects that remain externally controlled after implementation often struggle to maintain long-term continuity after support declines.

## 06 IMPLEMENTATION READINESS WARNING INDICATORS

If several of the following conditions are present, implementation readiness may be insufficient.

- Training planned before systems exist
- Water reliability not fully assessed
- Labour demands appear unrealistic
- Household systems unstable
- Operational complexity excessive
- Local trainer pathways absent
- Governance responsibilities unclear
- Long-term maintenance systems uncertain
- Systems likely to require ongoing contractor involvement
- Post-handover continuity not realistically assessed

### STRATEGIC REFLECTION

What operational pressure is most likely to increase after implementation begins?

Which system is least likely to remain manageable long-term?

What capability gap currently presents the greatest continuity risk?

### IMPORTANT OBSERVATION

Many long-term operational failures begin before implementation starts.

Common early warning signs include:

- unrealistic system complexity
- underestimated labour requirements
- weak household stability
- poor implementation sequencing
- inadequate dry-season planning

- externally concentrated operational knowledge

Projects that begin with realistic operational readiness are significantly more likely to maintain continuity after support withdrawal.

#### EDGE5 PRINCIPLE

**Implementation should begin only when long-term operational continuity remains realistically achievable.**

### WHEN TO SEEK A FULL EDGE5 OPERATIONAL REVIEW

A deeper operational review may be appropriate where:

- operational readiness remains uncertain
- water reliability may decline seasonally
- household systems remain unstable
- labour demands appear unrealistic
- operational authority remains externally concentrated
- post-handover continuity risks remain unclear

#### EDGE5 INDEPENDENT DESIGN AUTHORITY

Operational viability systems for mining, oil & gas, CSR, humanitarian and development, landscape rehabilitation, livelihood continuity and post-handover operational viability.

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