

# ULTRA – Master Plan of Action

## ## Purpose

ULTRA is a group-scoped, yacht-centric, offline-first CMMS/workflow system.

Groups define scope.

Categories define capability.

Templates define standards.

Yacht tasks define reality.

Nothing mutates upward. Everything flows downward.

## ## Groups

Users and yachts live in groups.

Users only see their group and descendants.

## ## Categories

Categories define types of work.

Categories bind to groups with cascade.

Assigning categories does NOT create tasks.

## ## Task Templates

Templates live under categories.

Each template has a version.

Applying templates creates independent yacht tasks.

Editing templates never mutates existing tasks.

## ## Yacht Tasks

Immutable copies created from templates.

## ## Operational Tasks

Created by users.

Always linked to yachts.

Assigned to users or groups.

## ## Unified Lifecycle

Open → Acknowledged → In Progress → Completed → Closed

Optional: On Hold, Cancelled

## ## Escalation

Tasks may escalate after timeout.

Visibility only.

## ## Offline

Local-first.

local → queue → sync.

## ## UX

No Assign buttons.

No Save buttons.

Contextual Apply.

Floating Create.

Auto-save.

## Database Core

groups

group\_users

group\_yachts

group\_categories

yachts

categories

task\_templates

yacht\_tasks

operational\_tasks

task\_comments

task\_photos

operations\_queue

Assignments ONLY via:

assigned\_user\_id

assigned\_group\_id

## Implementation Order

1 Groups

2 Category binding

3 Templates

4 Yacht tasks

5 Operational tasks

6 Lifecycle

7 Escalation

8 Notifications

9 Offline

10 UI

11 Final tidy

ULTRA is:

Tree scoped

Template driven

Instance based

Offline first

Yacht centric

Human collaborative

No shared mutable tasks.

No upward visibility.

No blocking saves.