# Agent Coordination Protocols

## Green Power Solutions Content Implementation

**Purpose**: Establish clear communication, coordination, and handoff protocols between specialist agents during the 14-day implementation cycle.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

## DAILY COORDINATION PROTOCOLS

### Daily Stand-Up Framework (Days 3-13)

**Time**: 9:00 AM AEST daily

**Duration**: 15 minutes maximum

**Participants**: All active specialist agents + Lead Orchestrator

**Standard Agenda**:

1. **Progress Updates** (2 minutes per active agent)

* Previous day completion status
* Current day objectives
* Any technical accuracy concerns identified

1. **Cross-Pillar Dependencies** (5 minutes)

* Integration requirements between pillars
* Technical specification alignment needs
* Cross-reference accuracy verification

1. **Resource Allocation** (3 minutes)

* Quality Controller review scheduling
* Schema Specialist coordination needs
* Integration Specialist collaboration requirements

**Escalation Triggers**:

* Technical accuracy concerns requiring cross-specialist consultation
* Timeline delays threatening critical path
* SOP compliance issues requiring immediate attention

### Agent-to-Agent Communication Standards

#### Inter-Agent Query Protocol

**Format**: [AGENT-NAME] → [TARGET-AGENT] → [QUERY-TYPE] → [PRIORITY]

**Example**:

[GENERATOR-SPECIALIST] → [LOAD-BANK-SPECIALIST] → [TECHNICAL-SPECIFICATION] → [HIGH]

Query: Generator power output specifications for load bank testing compatibility verification

Required Response Time: 4 hours

Context: Section 3.2 generator capacity ratings need cross-validation for testing procedures

#### Technical Clarification Requests

**Standard Process**:

1. **Initial Request**: Direct agent-to-agent communication
2. **Documentation**: Log all technical clarifications in shared knowledge base
3. **Quality Controller Notification**: Flag any specification discrepancies
4. **Resolution Confirmation**: Both agents confirm alignment before proceeding

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

## SPECIALIST AGENT COORDINATION MATRIX

### Generator ↔ Load Bank Testing Coordination

**Primary Integration Points**:

* Generator power output specifications and testing parameters
* Compliance requirements overlap (Australian standards)
* Emergency response protocol integration

**Communication Schedule**:

* Day 4: Initial specification alignment
* Day 6: Cross-validation of technical accuracy
* Day 12: Final integration element verification

**Key Deliverables**:

* Compatible power specification documentation
* Integrated compliance requirement confirmation
* Cross-reference accuracy verification

### Generator ↔ Hybrid Lighting Coordination

**Primary Integration Points**:

* Power supply compatibility for lighting systems
* Fuel efficiency comparison and environmental benefits
* Customer application overlap (construction, mining)

**Communication Schedule**:

* Day 6: Power supply integration specifications
* Day 8: Environmental benefit calculation alignment
* Day 12: Customer journey cross-reference verification

**Key Deliverables**:

* Power compatibility specification matrix
* Aligned environmental benefit calculations
* Coordinated customer application messaging

### Generator ↔ Tank Storage Coordination

**Primary Integration Points**:

* Fuel management system integration
* Safety and compliance requirement coordination
* Complete power solution package integration

**Communication Schedule**:

* Day 8: Fuel system integration specifications
* Day 10: Safety compliance requirement alignment
* Day 13: Complete solution package messaging coordination

**Key Deliverables**:

* Fuel management integration protocols
* Unified safety compliance documentation
* Complete solution messaging framework

### Cross-Pillar Integration Oversight

**Integration Specialist Coordination**:

* **Customer Journey Mapping**: Ensuring seamless progression between pillars
* **Technical Specification Consistency**: Validating compatibility claims across all pillars
* **Lead Generation Element Coordination**: Aligning call-to-action and conversion elements

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

## QUALITY CONTROL COORDINATION

### Quality Controller ↔ Content Specialist Interaction

#### Technical Accuracy Review Protocol

**Phase 1** (Days 5, 8, 10, 12):

1. **Specialist Self-Review**: Content specialist completes initial technical accuracy check
2. **Documentation Submission**: Technical specifications and calculations submitted for review
3. **Quality Controller Verification**: Independent technical accuracy assessment
4. **Collaborative Resolution**: Any discrepancies resolved through specialist consultation
5. **Approval Documentation**: Formal approval or revision requirements documented

#### SOP Compliance Review Protocol

**Phase 2** (Days 7, 9, 11, 13):

1. **Citation Verification**: All statistics and claims verified with credible sources
2. **Australian English Compliance**: Language and terminology consistency confirmed
3. **Brand Voice Assessment**: Consistency with established brand voice framework
4. **Content Structure Verification**: Adherence to content plan requirements confirmed

### Schema Specialist Coordination

#### Technical Specification Integration

**Process**:

1. **Specification Gathering**: Schema specialist collects technical data from all content specialists
2. **Cross-Validation**: Technical accuracy confirmed with Quality Controller
3. **Schema Development**: Structured data markup created for each pillar
4. **Integration Testing**: Cross-pillar schema relationships validated

#### AI Optimization Verification

**Requirements**:

* Schema markup optimized for AI assistant understanding
* Structured data enhanced for chatbot integration
* Rich snippet optimization for search engine display
* Cross-pillar relationship mapping for comprehensive AI comprehension

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

## HANDOFF PROTOCOLS

### Content Specialist → Quality Controller Handoff

**Required Documentation**:

* Complete content draft with technical specifications
* Source citation verification for all claims and statistics
* Cross-pillar reference accuracy confirmation
* Self-assessment technical accuracy checklist completion

**Handoff Timeline**: 24 hours before quality gate review

**Format**: Structured handoff document with all required elements

### Quality Controller → Schema Specialist Handoff

**Required Documentation**:

* Quality-approved content with verified technical specifications
* Structured data requirements and technical parameter documentation
* Cross-pillar integration element specifications
* AI optimization requirement confirmation

**Handoff Timeline**: 48 hours before schema implementation completion

**Format**: Technical specification document with schema development requirements

### All Specialists → Lead Orchestrator Final Handoff

**Required Documentation**:

* Publication-ready content with complete quality assurance verification
* Schema markup implementation with technical validation
* Cross-pillar integration element functionality confirmation
* Web development handoff specifications

**Handoff Timeline**: Day 14 final approval process

**Format**: Complete publication readiness package

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

## ESCALATION PROTOCOLS

### Level 1: Specialist-to-Specialist Resolution

**Timeline**: 4-hour response requirement

**Process**: Direct communication, technical clarification, collaborative resolution

**Documentation**: Resolution logged in shared knowledge base

### Level 2: Quality Controller Intervention

**Triggers**: Technical accuracy disputes, SOP compliance concerns, cross-pillar inconsistencies

**Timeline**: 8-hour resolution requirement

**Process**: Quality Controller assessment, specialist consultation, formal resolution

### Level 3: Lead Orchestrator Escalation

**Triggers**: Timeline threats, resource allocation conflicts, unresolved technical disputes

**Timeline**: 12-hour resolution requirement

**Process**: Lead Orchestrator assessment, resource reallocation, timeline adjustment if necessary

### Level 4: External Expert Consultation

**Triggers**: Technical accuracy concerns beyond specialist expertise, regulatory compliance questions

**Timeline**: 24-hour resolution requirement

**Process**: External expert consultation, formal technical validation, updated specification implementation

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

## COLLABORATION TOOLS AND STANDARDS

### Shared Knowledge Base Maintenance

* **Daily Updates**: All technical clarifications and specification confirmations
* **Version Control**: Document version tracking with timestamp and agent identification
* **Access Control**: All specialists have read/write access to relevant sections

### Communication Channel Standards

* **Urgent Communications**: Direct agent-to-agent with Lead Orchestrator notification
* **Routine Coordination**: Daily stand-up and scheduled coordination meetings
* **Documentation Requirements**: All coordination outcomes documented in shared knowledge base

### Progress Tracking Standards

* **Task Completion Verification**: Formal sign-off required for all major deliverables
* **Quality Gate Approval**: Documented approval from required specialist agents
* **Milestone Achievement Confirmation**: Lead Orchestrator verification of critical path progress

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Document Status**: Active Implementation Protocol

**Effective Date**: Beginning Day 1 of implementation

**Review Schedule**: Weekly during implementation phase

**Update Authority**: Lead Content Orchestrator