# 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.

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## 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

2. \*\*Cross-Pillar Dependencies\*\* (5 minutes)

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

3. \*\*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

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#### 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

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## 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

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## 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

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## 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

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## 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

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## 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

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\*\*Document Status\*\*: Active Implementation Protocol

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

\*\*Review Schedule\*\*: Weekly during implementation phase

\*\*Update Authority\*\*: Lead Content Orchestrator