# Task Dependencies - AI Search/GEO Service Page Creation

## Project Execution Strategy

\*\*Mode\*\*: Phased Sequential with Iterative Feedback Loops

\*\*Estimated Duration\*\*: 5-7 business days

\*\*Quality Standard\*\*: ≥8.5/10 aggregate score through iterative improvement

## Mandatory Research Workflow Dependencies

### Phase 1: Foundation Research & Strategic Analysis

```yaml

sop\_compliance\_check:

type: ComplianceVerification

description: Verify against existing brand and content standards for Discover Web Solutions

agent: brand\_compliance\_auditor

dependencies: []

deliverable: SOP compliance verification report

audience\_research\_personas:

type: AudienceAnalysis

description: Create detailed buyer personas (3-7) for AI/SEO service buyers with behavioral analysis

agent: audience\_intent\_researcher

dependencies: []

deliverable: audience\_personas.md with demographic and behavioral insights

market\_research\_analysis:

type: MarketIntelligence

description: Current AI search and GEO market conditions, opportunities, and challenges

agent: brand\_sentiment\_researcher

dependencies: []

deliverable: Market analysis within research\_brief.md

usp\_analysis\_brand\_swot:

type: StrategicAnalysis

description: Define unique selling propositions and brand SWOT for AI/GEO services

agent: brand\_analyst

dependencies: []

deliverable: USP and SWOT analysis in research\_brief.md

competitor\_swot\_analysis:

type: CompetitiveIntelligence

description: Strategic positioning analysis of top 5 AI/SEO service competitors

agent: competitive\_intelligence\_searcher

dependencies: []

deliverable: competitive\_analysis.md with strategic insights

```

### Phase 2: Competitive Intelligence & Search Landscape

```yaml

brand\_competitor\_positioning:

type: PositioningAnalysis

description: Brand and competitor positioning analysis for AI search services

agent: brand\_strategy\_researcher

dependencies: [competitor\_swot\_analysis]

deliverable: Positioning analysis in competitive\_analysis.md

trending\_topics\_research:

type: TrendAnalysis

description: Current AI search, GEO, and SEO industry trends and hot topics

agent: technical\_research\_specialist

dependencies: []

deliverable: Trending topics section in content\_research.md

content\_gap\_analysis:

type: OpportunityIdentification

description: Identify missing AI/GEO content opportunities in the market

agent: competitor\_analyzer

dependencies: [brand\_competitor\_positioning]

deliverable: Content gap analysis in competitive\_analysis.md

search\_landscape\_analysis:

type: SearchMarketAnalysis

description: AI search market size, competition levels, seasonal trends, local SEO gaps

agent: seo\_strategist

dependencies: []

deliverable: Search landscape analysis in research\_brief.md

competitor\_content\_audit:

type: ContentIntelligence

description: Competitor website analysis, content gaps, mobile experience, user journeys

agent: competitive\_intelligence\_searcher

dependencies: [content\_gap\_analysis]

deliverable: Detailed competitor audit in competitive\_analysis.md

```

### Phase 3: Advanced SEO & Keyword Strategy

```yaml

comprehensive\_keyword\_research:

type: KeywordStrategy

description: AI/GEO-focused keyword identification, search intent analysis, user journey mapping

agent: keyword\_researcher

dependencies: [search\_landscape\_analysis, trending\_topics\_research]

deliverable: keyword\_research.md with comprehensive keyword strategy

keyword\_gap\_analysis:

type: SEOOpportunityAnalysis

description: SEO opportunity identification and competitive keyword gaps for AI search

agent: seo\_strategist

dependencies: [comprehensive\_keyword\_research, competitor\_content\_audit]

deliverable: Keyword gap analysis in keyword\_research.md

funnel\_stage\_keyword\_mapping:

type: ContentJourneyMapping

description: Top (awareness), middle (consideration), bottom (decision) funnel keyword mapping

agent: keyword\_researcher

dependencies: [comprehensive\_keyword\_research]

deliverable: Funnel keyword mapping in keyword\_research.md

untapped\_angle\_keywords:

type: OpportunityDiscovery

description: Zero or low-competition AI/GEO keyword opportunities

agent: seo\_strategist

dependencies: [keyword\_gap\_analysis]

deliverable: Untapped opportunities in keyword\_research.md

emerging\_trends\_keywords:

type: FutureTrendAnalysis

description: Future-proofing content with AI search trending terms and evolving behaviors

agent: technical\_research\_specialist

dependencies: [trending\_topics\_research]

deliverable: Emerging trends analysis in keyword\_research.md

```

### Phase 4: Content Planning & AI Optimisation

```yaml

detailed\_content\_briefs:

type: ContentPlanning

description: AI/GEO service page layouts, wireframes, word counts, conversion paths

agent: content\_strategist

dependencies: [funnel\_stage\_keyword\_mapping, untapped\_angle\_keywords]

deliverable: Content brief in content/ai\_search\_geo\_service\_page.md

content\_structure\_specifications:

type: ContentArchitecture

description: Headlines, sections, CTAs, internal linking strategy for AI optimisation

agent: page\_content\_brief\_agent

dependencies: [detailed\_content\_briefs]

deliverable: Content structure in content/ai\_search\_geo\_service\_page.md

ai\_readiness\_optimisation:

type: AIOptimisation

description: Content structure optimised for AI systems, voice search, schema markup

agent: ai\_specialist\_agent

dependencies: [content\_structure\_specifications]

deliverable: technical/ai\_optimization\_guide.md

content\_ideas\_generation:

type: CreativeIdeation

description: Creative AI/GEO content ideas based on comprehensive research foundation

agent: blog\_ideation\_specialist

dependencies: [emerging\_trends\_keywords, ai\_readiness\_optimisation]

deliverable: Content ideas in content/content\_research.md

future\_content\_calendar:

type: EditorialPlanning

description: 12-month strategic AI/GEO content planning with series development

agent: content\_strategist

dependencies: [content\_ideas\_generation]

deliverable: Content calendar in strategy/implementation\_plan.md

related\_content\_mapping:

type: TopicClusterStrategy

description: Content clusters and topic authority building for AI search domain

agent: content\_strategist

dependencies: [future\_content\_calendar]

deliverable: Topic clusters in strategy/implementation\_plan.md

```

## Content Creation & Optimisation Phase

### Primary Content Development

```yaml

create\_ai\_geo\_service\_content:

type: ContentCreation

description: Create comprehensive AI Search/GEO service page content

agent: content\_generator

dependencies: [related\_content\_mapping]

deliverable: content/ai\_search\_geo\_service\_page.md

requirements:

* British English compliance
* Australian market context
* Technical accuracy for AI/GEO concepts
* Conversion optimisation elements

```

## Iterative Feedback Loop System

### Quality Optimisation Workflow

```yaml

feedback\_loop\_ai\_geo\_service\_page:

type: IterativeImprovement

description: Multi-agent iterative feedback loop for service page optimisation

dependencies: [create\_ai\_geo\_service\_content]

agent\_sequence: [clarity\_conciseness\_editor, cognitive\_load\_minimizer, content\_critique\_specialist, ai\_text\_naturalizer]

max\_iterations: 3

success\_criteria:

* clarity\_conciseness\_editor: ≥8/10
* cognitive\_load\_minimizer: ≥7/10
* content\_critique\_specialist: ≥7/10
* ai\_text\_naturalizer: ≥8/10
* aggregate\_score: ≥8.5/10

safety\_mechanisms:

* progress\_tracking: Monitor improvement between iterations
* human\_escalation: Triggered after 2 cycles with no improvement
* time\_limits: Maximum 2 hours per iteration cycle

refinement\_integration:

type: TargetedImprovement

description: Apply specific improvements based on agent feedback

agent: content\_refiner

dependencies: [feedback\_loop\_ai\_geo\_service\_page]

deliverable: Enhanced content version

final\_quality\_gate:

type: ComprehensiveAudit

description: Multi-perspective quality review and publication readiness

agent: enhanced\_content\_auditor

dependencies: [refinement\_integration]

deliverable: Quality assurance certification

```

## Documentation & Compliance

### Project Documentation

```yaml

execution\_tracking\_report:

type: ProjectDocumentation

description: Agent activity log, tool usage, methodology documentation

dependencies: [final\_quality\_gate]

deliverable: implementation/execution\_tracking\_report.md

assumptions\_methodology\_report:

type: TransparencyDocumentation

description: Data sources, assumptions, limitations, self-critique

dependencies: [execution\_tracking\_report]

deliverable: strategy/assumptions\_and\_methodology.md

british\_english\_compliance\_verification:

type: LanguageCompliance

description: Final verification of British English standards and Australian context

dependencies: [assumptions\_methodology\_report]

deliverable: Compliance verification within execution report

```

## Risk Mitigation & Quality Gates

### Human Review Checkpoints

1. \*\*Phase Completion Reviews\*\*: After each research phase completion

2. \*\*Content Creation Gateway\*\*: Before content generation begins

3. \*\*Quality Threshold Reviews\*\*: During iterative feedback loops

4. \*\*Final Publication Gateway\*\*: Before content delivery

### Fallback Strategies

* \*\*Research Gap Handling\*\*: Additional research agents if critical gaps identified
* \*\*Quality Improvement\*\*: Extended feedback loops if thresholds not met
* \*\*Technical Issue Resolution\*\*: Alternative research methods if primary sources unavailable
* \*\*Timeline Management\*\*: Phased delivery if full completion delayed

\*\*Total Estimated Tasks\*\*: 24 primary tasks + iterative feedback loops

\*\*Critical Path\*\*: Foundation Research → Content Planning → Content Creation → Quality Optimisation

\*\*Success Metrics\*\*: Research completeness, content quality score ≥8.5/10, British English compliance