Develop Project Charter

> **Source File:** generated-documents\pmbok\develop-project-charter.md
> **Generated:** 15/07/2025 at 11:37:47
> **Generated by:** Requirements Gathering Agent - PDF Converter

DevelopProjectCharter

Generated by adpa-enterprise-framework-automation v3.2.0
Category: pmbok
Generated: 2025-07-14T21:32:47.133Z
Description: PMBOK process for developing the formal project charter.

Develop Project Charter

Project Title:
ADPA – Advanced Document Processing & Automation Framework (formerly Requirements Gathering Agent)

Project Version:
3.2.0

Project Sponsor:
Menno Drescher (Contact: menno.drescher@gmail.com)

Date:
July 2025

---

1. Project Purpose / Justification

The ADPA (Advanced Document Processing & Automation) Framework is designed to address the increasing demand for standards-compliant, AI-driven automation of business documentation, requirements management, and project governance in large-scale enterprises. The framework delivers professional document generation and analysis, leveraging leading industry standards (BABOK v3, PMBOK 7th Edition, DMBOK 2.0) and integrating with enterprise platforms such as SharePoint, Confluence, and Adobe Document Services.

Business Need

- Manual document creation is slow, error-prone, and inconsistent.
- Enterprises require alignment with regulatory and industry standards (e.g., Basel III, GDPR, SOX, PCI DSS).
- There is a need for scalable, secure, and automated solutions that integrate with existing enterprise systems.
- Increasing adoption of AI in business operations necessitates a modular, provider-agnostic platform.

---

2. Project Objectives & Success Criteria

Objectives

- Develop and maintain an extensible, modular framework for automated, standards-compliant business documentation.
- Provide both CLI and REST API interfaces for seamless integration into enterprise workflows.
- Enable multi-provider AI orchestration (OpenAI, Google AI, GitHub Copilot, Ollama, Azure OpenAI).
- Deliver cross-framework support for BABOK v3, PMBOK 7th Edition, and DMBOK 2.0 (in progress).
- Integrate with Confluence, SharePoint, Adobe Document Services, and enterprise SSO/identity management.

- Ensure compliance with major regulatory frameworks and support for Fortune 500-scale deployments.

Success Criteria

- Production-ready release supporting full BABOK v3 and PMBOK 7th Edition documentation pipelines.
- Demonstrable, standards-compliant document generation via CLI, API, and web admin interface.
- Successful integration with Confluence and SharePoint for automated publishing.
- Enterprise-grade authentication, authorization, and audit logging implemented.
- Positive feedback and adoption by pilot Fortune 500 clients/beta partners.

---

3. High-Level Requirements

- **Modular Architecture:**
  TypeScript/Node.js-based, supporting plugin modules for AI, document templates, and integrations.

- **AI Provider Abstraction:**
  Pluggable support for OpenAI (GPT-4, GPT-3.5), Google AI (Gemini Pro), GitHub Copilot, Ollama, Azure OpenAI, with automatic failover and selection.

- **Document Generation Engine:**
  Template-based, supporting markdown, PDF (via Adobe/other), and export to Confluence/SharePoint.

- **REST API & CLI:**
  Express.js server with TypeSpec-generated OpenAPI specs, robust CLI tools (yargs-based).

- **Compliance & Security:**
  Enterprise SSO (OAuth2, SAML), RBAC, audit logging, support for GDPR, SOX, PCI DSS, ISO 27001, HIPAA, etc.

- **Extensibility:**
  Custom templates, support for additional frameworks and integrations.

---

4. High-Level Project Description, Boundaries, and Key Deliverables

Project Description

ADPA is a comprehensive, extensible automation platform for generating, managing, and publishing standards-compliant business/project documents using best-in-class AI and enterprise integrations.

Project Boundaries

In Scope:

- AI-driven document generation (BABOK, PMBOK, DMBOK frameworks)
- Confluence, SharePoint, Adobe APIs integration
- CLI, REST API, and Web Admin interfaces
- Compliance with key regulatory and industry standards
- Enterprise authentication, auditing, and monitoring

Out of Scope:

- Custom AI model development
- Non-standard or legacy document formats
- Maintenance of downstream enterprise systems

Key Deliverables

- Modular ADPA codebase (TypeScript/Node.js)
- CLI tool and REST API server (Express.js)
- Next.js-based Admin Interface
- Integration modules: SharePoint, Confluence, Adobe Document Services
- AI provider abstraction layer with configuration tools
- Documentation for deployment, operation, and extension
- Automated testing suite with full coverage

---

5. Assumptions, Constraints, and Risks

Assumptions

- Enterprise users have access to required API credentials (OpenAI, Google, Adobe, Microsoft, etc.).
- Pilot organizations have modern infrastructure (Node.js 18+, modern browsers, access to cloud platforms).
- Stakeholders are available for requirements clarification and testing feedback.

Constraints

- Adherence to open-source license (MIT) and standards compliance (BABOK, PMBOK, DMBOK).
- Implementation timelines aligned with quarterly roadmap.
- Limited to Node.js/TypeScript ecosystem for core components.

Risks

- AI provider API rate limits, changes, or outages.
- Shifting regulatory requirements.
- Integration challenges with enterprise SSO and document platforms.
- Resource availability for ongoing maintenance and support.

---

6. High-Level Milestone Schedule

Milestone	Target Date	Status
BABOK v3 Full Implementation	Q1 2025	✅ Complete
PMBOK 7th Edition Compliance	Q1 2025	✅ Complete
Multi-provider AI Support	Q1 2025	✅ Complete
Confluence & SharePoint Integration	Q1 2025	✅ Complete
DMBOK 2.0 Implementation (Phase 1)	Q2 2025	🚧 In Progress
Docker/Kubernetes Templates	Q2 2025	🔄 Planned
Advanced Analytics Dashboard	Q2 2025	🔄 Planned
Enterprise SSO & Workflow Automation	Q3 2025	📋 Planned
Real-time Collaboration Features	Q3 2025	📋 Planned
Mobile Application Support	Q3 2025	📋 Planned

---

7. Budget Summary

> ***Note:*** *As an open-source enterprise framework, direct development costs are minimized; budget focuses on infrastructure (cloud*

> *compute, AI API credits), integration efforts, and enterprise support/onboarding.*

- **Cloud Infrastructure**: $X/month (varies by deployment scale)
- **AI Provider Credits**: $X/month (usage-based)
- **Enterprise Integration/Support**: $X/project (customization, onboarding)
- **Documentation/Training**: Included in project resources

---

8. Project Stakeholders

Stakeholder	Role / Interest
Project Sponsor	Funding, strategic direction
Product Owner	Feature prioritization, requirements
Enterprise IT Teams	Deployment, integration, security
Business Analysts/PMs	End-user, requirements gathering, reporting
Compliance & Risk Teams	Standards/regulatory compliance
AI/Software Developers	Implementation, extension
Open Source Community	Contribution, adoption, evangelism
Fortune 500 Partners	Beta testing, enterprise feedback

---

9. Project Approval Requirements

- Project charter sign-off by sponsor and product owner.
- Technical validation by enterprise IT and security teams.
- Compliance verification for regulatory frameworks.
- User acceptance testing (UAT) by pilot groups.

---

10. Project Manager / Authority

Project Manager:
Menno Drescher (menno.drescher@gmail.com)

Authority:
Empowered for day-to-day management, resource allocation, and risk mitigation, within scope and budget defined above.

---

11. Signatures

Name / Title	Signature	Date
Menno Drescher		
Product Owner		
IT Lead		
Compliance Lead		

---

12. Appendix / References

- Project Repository
- Full Documentation

- [BABOK/PMBOK/DMBOK Standards]
- Support & Issue Tracking
- MIT License

This project charter formally authorizes the ADPA project and provides the authority to proceed with detailed planning, execution, and delivery in accordance with the scope and objectives outlined herein.
