Design Document

# Overview

Enable RFI text generation to dynamically switch between Azure AI and Appian native AI based on configuration. The system uses a configuration rule to determine which AI service to invoke for generating RFI content from requirement descriptions.

# Objects & Components

## AS\_RM\_Get\_AI\_RFI\_Response

Type: Process Model

Description: Main orchestration process that handles AI provider selection and RFI generation workflow

Methods:

* • checkAIConfiguration
* • invokeAppianAI
* • invokeAzureAI
* • handleResponse
* • handleError

## AS\_RM\_EnableOrDisableAppianAIForSummarization\_wrapper

Type: Expression Rule

Description: Configuration rule that returns boolean to determine which AI service to use

Methods:

* • evaluateAIConfiguration

## AS\_RM\_AI\_generateRFITextFromDescription

Type: AI Skill

Description: Appian native AI skill for generating RFI text from requirement descriptions

Methods:

* • generateRFIContent
* • processDescription

## Azure\_AI\_Integration\_Object

Type: Integration

Description: Azure AI service integration for RFI text generation when Appian AI is disabled

Methods:

* • callAzureAPI
* • formatRequest
* • parseResponse

## AS\_RM\_FM\_GenerateAIRfi

Type: Interface

Description: User interface form for initiating RFI generation from requirement summary page

Methods:

* • displayGenerateAction
* • captureUserInput
* • triggerGeneration

## XOR\_Gateway\_Node

Type: Process Node

Description: Decision gateway that routes to appropriate AI service based on configuration

Methods:

* • evaluateCondition
* • routeToService

## Execute\_Gen\_AI\_Node

Type: Process Node

Description: Node that executes the selected AI service for RFI generation

Methods:

* • executeAISkill
* • configureInputs
* • captureOutput

# Implementation Notes

* • XOR gateway at process start checks AS\_RM\_EnableOrDisableAppianAIForSummarization\_wrapper output
* • True result routes to Appian native AI skill execution
* • False result routes to Azure AI integration call
* • AI response and error messages stored in aiRequestForInfo variable
* • Form interface cleaned of test fields for production deployment
* • Error handling implemented for both AI service paths

# Dependencies

* • AS\_RM\_EnableOrDisableAppianAIForSummarization\_wrapper rule
* • AS\_RM\_AI\_generateRFITextFromDescription AI skill
* • Azure AI service integration
* • Requirement summary page interface
* • aiRequestForInfo process variable
* • AI service authentication and connectivity