

3.0 Appendix B – Project Aspire Enhancement Functional Design

ADML ID	1758
ADML Description	Contract Expiration Vendor Notification
ADML Tech#	1758

3.1 Background

3.1.1 Functional Requirement

PO Contract Expiration Notification workflow is a delivered workflow that sends notification to Buyers when a contract has expired or reached its monetary limit. The workflow is triggered from the App Engine Program PO_CNTRCT_WF. As per requirement PCO-031, a modification must be appended that will also notify the Vendor's primary contact via email.

3.1.2 Delivered Functionality

The delivered App Engine program creates a Worklist entry for the Buyer tied to the contract. This is done via a Component Interface triggering the CONTRACT_EXPIRY_ALERT Business Process.

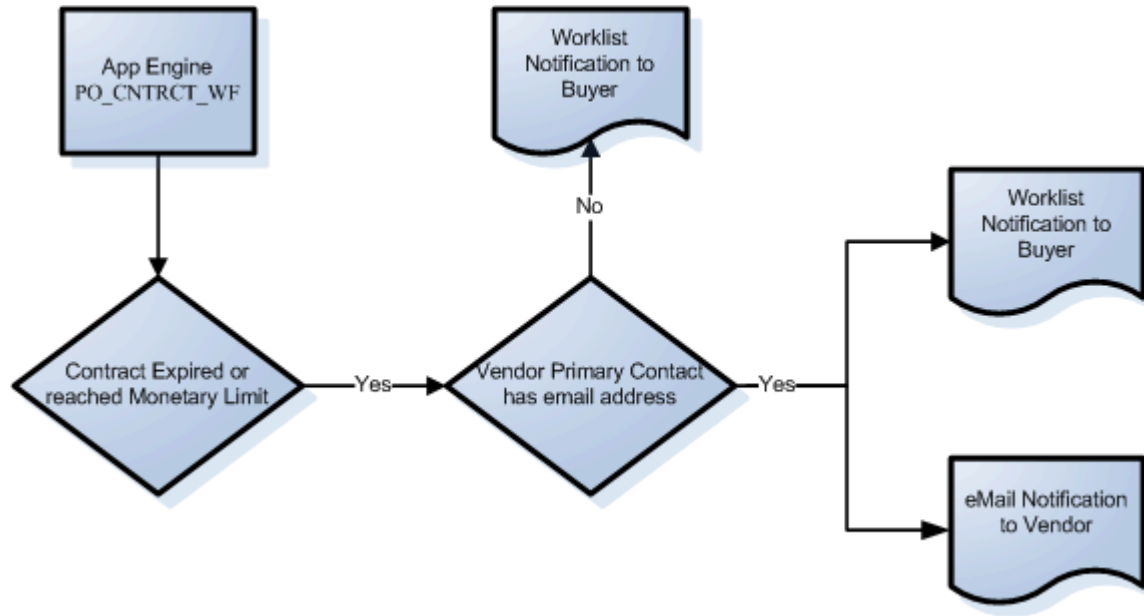
3.1.3 Gap Description

A modification must be done to the App Engine Program so it may also trigger an e-mail notification to the Vendor's Primary Contact. The Select criteria of the App Engine will remain in tact so that the notifications are sent to both the Buyer and the Vendor for the same contracts.

3.2 Description of New Functionality

This enhancement will send e-mail notifications to the Primary Contact for the Vendor on the Purchasing Contract.

Process Flow



3.3 Navigation path

App Engine is launched from Purchasing → Procurement Contracts → Create Contract Alert Workflow.

3.4 Set Up/Control Data

The App Engine process uses a Run Control record, but requires no parameters. On the Contract Header record, the Contract Expiry Flag must be set to ‘Y’. The App Engine only looks at Non “Closed” Contracts.

3.5 Application Changes (e.g., Pages, Components, Menus, Records, App Engines, SQRs, etc.)

Modified Records

CNTRCT_ALERT_AET – State Record for PO_CNTRCT_WF App Engine.

EMAILID – Field was added.

CNTRCT_ALERT_TMP – Temp record used on Page triggering Business Event.

EMAILID – Field was added.

Modified Pages

CNTRCT_ALERT – Page used in Component Interface for triggering Notification Business Events.

EMAILID – Field was added.

New Component Interface

FL_PO_CNTRCT_ALERT – New CI (copy of PO_CNTRCT_ALERT_BC).
Contains modified CNTRCT_ALERT page with additional EMAILID field.

Activity

FL_CONTRACT_EXPIRY_ALERT – Sends email notification.

PeopleCode

CNTRCT_ALERT_TMP.CNTRCT_ID

- Workflow. If the EMAILID field is populated, the code now triggers the FL_CONTRACT_EXPIRY_ALERT Business Event sending an email notification. This happens immediately after it calls the delivered Business Event notifying the Contract's Buyer.

Modified Application Engine

PO_CNTRCT_WF

SQL Modification to Main Select contains an Outer Join to the Vendor Contact table, selecting the Vendor's Contact's email address.

PeopleCode Modification triggers custom CI containing additional fields.

3.6 Unit Test Considerations

Ensure testing of contracts that contain the Contract Expiry Flag set to Y and N.

Test vendors that have primary contacts setup without emails. Ensure no system errors occur.

3.7 Miscellaneous

N/A

3.8 Assumptions

User triggering App Engine will have access to new FL_PO_CNTRCT_ALERT Component Interface.

App Engine will be scheduled to run in batch at a fixed interval.