# Oracle Functional Services

# Role Based Calendar

**Version Management:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Date** | **Change Description** | **Section/Page** | **Changed by** | **Status**  **(Draft/Final)** | **Version** |
| 09 Oct 2025 | Apex-Calendar Functionality | 1 | Smitha Aldrin | Draft | 1 |

## Specification for Oracle Development / Configuration

:

|  |  |
| --- | --- |
| **Incident Number/ Jira** | CEN-14179 |
| **RFC Title**  One sentence description of the required change | OML Business Calander using APEX – Phase1 |
| **Purpose of Change**  What is the functionality to be used for (more detail) | To provide users with a user-friendly and centralized approach to efficiently plan and manage day to day activities |
| **Responsible User** | **Rowan/Christo** |
| **Functional Consultant** | **Mumtaz Mohamed** |
| **Developer** | Smitha Aldrin |
| **Date of request** | 9 Oct 2025 |
| Business Requirements | |

*Scenario:*

To develop a centralized business calendar application using Oracle APEX that enables users to efficiently schedule, manage, and track planned activities and events across multiple applications.

Currently, OML manage planned activities and events for various applications through disparate tools and manual processes, leading to inefficiencies and lack of visibility. There is a need for a unified calendar solution that:

* Allows users to add and manage events for different applications.
* Supports South African time zone and displays public holidays.
* Provides features such as role-based access, colour coding, notifications, and customizable views.
* Enables process automation and reduces reliance on spreadsheets for tracking.

|  |
| --- |
| **Impact Analysis** |

*List the impact on the following:*

* *Business Area / Processes affected.*

*N/A*

* *DB details*
  + *A Table is created to server as a lookup for any kind of run time customizations and store activity details.*

* *Storage requirements:* N/A
* *Performance – Online and Batch windows:* N/A
* *Security and Authorisation access: Oracle APEX* Role Based Access
* *User training:* N/A
* *Implementation timing constraint/s:* N/A
* *Cross-dependencies on other projects or RFC implementations:* N/A
* *Data Impacts:* N/A
* *List the different solution options and motivating factors for the recommended solution.* 
  + **Oracle APEX inbuilt calendar component and DBCS is** for data storage requirements.

|  |
| --- |
| **Functional Requirements** |

### Phase 1

1. **Notification Date**
   * Users must be able to set custom notification/reminder dates for calendar events.
   * Email notifications should be sent via the APEX email package, with a configurable 'from' address.
   * Support for multiple reminders (e.g., 1 or 2 days before the event) and user-defined notification dates.
2. **Drag and Drop**
   * Calendar events must be movable using drag-and-drop functionality for easy rescheduling.
3. **Colour Code Based on Application**
   * Events must be color-coded according to the application they belong to.
   * Application selection should be available via a dropdown, which assigns the appropriate color automatically.
4. **Role-Based Access**
   * Only authorized users can create or edit events.
   * Role-based access control must be implemented, supporting differentiated permissions (e.g., view-only, edit).
5. **Additional Columns**
   * The event creation form must support additional configurable fields, such as:
     + End date
     + Event body/description
     + Category (dropdown for event type, e.g., maintenance, change requests)
     + Participants
   * The system should be flexible to allow further custom fields as needed.

|  |
| --- |
| **Technical Requirements** |

* **Oracle APEX** will be used as the primary development platform for the business calendar application.
* The application must be accessible via web browsers and integrated within the Oracle Financials Cloud ecosystem.
* Use modular APEX components (pages, regions, dynamic actions).
* Store configuration (e.g., colour codes, roles) in database tables for easy updates.

|  |
| --- |
| **Performance Analysis** |

*Is a Performance Analysis required for this development?* NO

|  |
| --- |
| **Testing Requirements** |

### ****Test Strategy & Scenarios****

| **Scenario ID** | **Description** | **Expected Result** |
| --- | --- | --- |
| **SCN1** | Verify that the application displays all meeting requests with appropriate colour codes. | Meetings are correctly color-coded and visible. |
| **SCN2** | Verify that a user with “Create” role can create, update, and delete meeting requests. | Role-based users can perform full CRUD operations. |
| **SCN3** | Verify that a user without “Create” role cannot create, update, or delete meeting requests. | Restricted users can view only. |