Feature Verification Plan

# Feature: F3496 | Week View - Display Schedules for Visible Staff

## Click here for details regarding completion of this document…

This document will contain the information regarding the plan for verification activities regarding a feature. This plan represents a snapshot in time, and does not need to be updated if requirements change slightly through the course of development unless directed otherwise. At the time of planning, the following steps must be completed for each feature:

1. Update the *Feature* header, replacing the text in the << >> characters with the Feature ID and Name (e.g. F123 – Create new screen)
2. Update the *Feature Description* section
3. Update the *Feature Requirements Summary* table as follows:

Create a row for each requirement that will be verified as part of the feature as currently established at the time of the plan. Each row should contain the following:

**Requirement ID and Statement** – List the Identifier and statement of the requirement (e.g. @SRS\_F2534.001 - Description). Do not include any ##US123## or ##DONE## notations

**Verification Approach** – Choose one of the following values to summarize the approach that was taken to verify this requirement:

* *Analysis* – This option applies to requirements that are verified by performing analysis, common for requirements of discovery and proof of concept features
* *Inspection* – This option applies to requirements that are verified by performing inspection, common for requirements relating to the code structure/implementation and documentation
* *Testing (ALM)* – This option applies to requirements that are verified by executing managed test cases from HP ALM.
* *Testing (Other)* – This option applies to requirements that are verified by testing outside of HP ALM, common for performance testing, exploratory testing, etc.

**Approach Notes** – List any relevant notes regarding the proposed verification approach, including but not limited to applicable automation mechanisms, inspection technique, etc.

1. Add any reference documents to the *Reference Documents* section. Provide links to any key documentation influencing the plan, like design documents, wiki pages, by replacing the text in the << >> characters
2. Complete the *Major Risks* table with any risks and mitigation details that apply to the verification of the feature, regarding either program or product concerns.
3. Complete the *Overall Testing Plan* section by listing the key details (concisely) establishing the plan of how the feature will be verified through the course of development from start to finish. These details should replace the text in the << >> characters for this section.
4. Complete the following sections, by replacing the text in the << >> characters for each section with details regarding how each specific testing area is impacted by the plan, including who will be responsible for the testing where appropriate:
   * *Impact – Manual Testing*
   * *Impact – Unit Testing*
   * *Impact – Other Automated Testing*
   * *Impact – Regression Testing*
5. Save this document and format the name as <<Feature ID >> Test Plan (e.g. F123 Test Plan.docx)
6. Attach the saved document directly to the Feature work item in CA Agile Central.

# Purpose

This document is intended to identify, at a high level, how a feature will impact the core product, what risks have been identified for the feature, and what testing will be done to address those risks and ensure the feature works as intended. This is a holistic description of the feature from a quality and testing perspective.

# Feature Description

On the balancing view, we are providing a list of all the employees who are contributing to a particular schedule period (for a unit and profile group), including the employees who have explicit "home" assignment for the unit with profile qualifications, and also anyone who have been scheduled into the role group.  The user can sort this list, and navigate freely in this list to work with anybody who is a "member" of this particular schedule period.  Since this can be a long list of staff (**hundreds**is not uncommon), we are seeking a design which is scalable to large data sets.  The goal is that the page will have totals for the profile group visible all the time (these will be done in an upcoming feature), but the employee schedule details will be loaded "on demand" (as the user scrolls within the data set).

There are three fundamental changes from previous generations of our scheduling tools, all of which contribute to substantial technological and usability improvements to the scheduling experience:

1. Previously the schedule started by downloading the entire schedule period's data and managed it client-side.  This enable the totals to be calculated client side.  The totals are now going to be synchronized via SignalR, eliminating the need for all the schedule data to be evaluated by the UI. (this enables the second point)
2. We are loading and discarding employee schedule information as the user scrolls in the list.  This approach reduces the amount of raw data to be managed by the web browser, or the DOM.  The goal being a "faster-feeling" schedule experience, primarily focused on the loading and initial display of the schedule, which was historically a very significant time consumer.
3. We are limiting the view to only two weeks of any schedule period.  We want to avoid horizontal scrolling in the browser which has shown to be quite resource intensive and slow, and of course this can significantly increase the amount of information to load & display (schedule periods are commonly 4 or 6 weeks).  The user will be allowed to accomplish this by "panning" left or right within the schedule period, by explicitly choosing to slide over one full week at a time.  This is another optimization where we can wait to load data for those portions of the date range until the user chooses to view them.

# Feature Requirements Summary

|  |  |  |
| --- | --- | --- |
| Requirement ID and Statement | Verification Approach | Approach Notes |
| **@SRS\_TASS\_F3496.001:**  The "balancing view" shall have additional information added to show the "schedule" (activities and calendars) for each employee listed. | Testing (ALM) |  |
| **@SRS\_TASS\_F3496.002:**  The schedule area shall show at least one week of content for each employee. | Testing (ALM) |  |
| **@SRS\_TASS\_F3496.003:**  The schedule area shall show a second week of content for each employee, if the user's browser is sufficiently wide. | Testing (ALM) |  |
| **@SRS\_TASS\_F3496.004:**  For each Activity in the employee schedule, the following information shall be shown:   1. Activity Code 2. Actual start and end times for each specific Activity Code 3. Indication if Activity Times have been overridden - this is covered by showing the times 4. Role (Profile Code) 5. If the employee is scheduled outside this role/unit, list the Organization Unit, including Trunk and Branch, and Leaf if set. | Testing (ALM) |  |
| **@SRS\_TASS\_F3496.005:**  For each Pay Code in the employee schedule, the following information shall be shown:   1. Pay Code 2. Actual start and end times (note: this includes lunch, if there is one) 3. Hours (note: this does not include lunch) | Testing (ALM) |  |
| **@SRS\_TASS\_F3496.006:**  The primary sort for events on a day is by start time. Secondary sort for the same time sorts Activities first alphabetically (numbers before letters), then calendars alphabetically. | Testing (ALM) |  |
| **@SRS\_TASS\_F3496.009:**  The user shall have the ability to navigate the date range "left" or "right" one week at a time within the schedule period, for the purposes of managing weekend staffing assignments.  The schedule data shall be loaded for the displayed employees when this happens. | Testing (ALM) |  |
| **@SRS\_TASS\_F3496.011:**  If an employee has a request (calendar, open shift, or trade), the orange flag shall be displayed with a tool tip showing the detailed description of the request. | Testing (ALM) |  |
| **@SRS\_TASS\_F3496.013:**  The system shall display an indicator (grayed out) for schedules that display, but are not for any activity code and role selected to view.  This is to easily identify those schedules that do not count in any numbers for the department(s) viewing. | Testing (ALM) |  |
| **@SRS\_TASS\_F3496.014:**  For any employee that is not qualified for a role at the highest level staff are required for the role, a message will show under their name (in that role only), indicating that is not a primary role for them.  This may happen if an employee is scheduled into a role they are not qualified for, and a scheduler overrode the exception message to schedule them anyway. | Testing (ALM) |  |
| **@SRS\_TASS\_F3496.101:**  The Online Help explains how to view schedules on the Balancing screen and the information shown on the screen. | Inspection |  |

# Reference Documents

Help documentation:

<https://racine.api-wi.com/infoportal_dev/#f_screen_descriptions/actions_section/scheduling_card/schedule_screen/weekly_view.htm%3FTocPath%3DScreen%2520Descriptions%7CActions%2520Section%7CScheduling%2520Card%7CSchedule%2520Screen%7C_____3>

# Major Risks

The table below lists any major risks (Product or Program) associated with this feature that affect or are mitigated by quality/testing processes, including mitigation details where possible.

|  |  |  |
| --- | --- | --- |
| Risk No. | Risk Description | Mitigation Plan |
| 1 |  |  |
| 2 |  |  |

# Overall Testing Plan

The majority of the testing for this feature will be done by creating test cases in ALM and manually testing, based on the feature requirements.

# Impact – Manual Testing

Most of the testing for this feature will be done manually.

# Impact – Unit Testing

There is an expectation of 100% code coverage with unit testing. Coordination with the developers on the team will ensure this requirement is met.

# Impact – Other Automated Testing

Integration tests will be written where appropriate.

# Impact – Regression Testing

Regression tests for this feature can be found in ALM under: Subject > Cloud > Web Portal > Sections > Actions > Scheduling > Angular Schedule Screen (New Scheduling Experience) > Schedule Overview Screen/Selector > Weekly View.