

## Specification - Bika Calendar

Draft 1.0, 10 September 2006, Lemoene

Please post all comment and suggestions to the Bika developers mailing list at

[bika-developers@lists.sourceforge.net](mailto:bika-developers@lists.sourceforge.net)

### 1 True Working hours calendar

For the calculation of late analyses, current Bika design uses total elapsed time between sample reception and results publication. Not actual elapsed working hours

This results in analyses being flagged late incorrectly after weekends and public holidays

The functionality proposed here will use only true lab working hours for these alerts and turn around reports

The maximum time allowed for analyses are configured in the analysis services' set-up

#### 1.1 Calendar management

The labmanager configures the lab's working days and hours for any future period

#### Use case - setting up the calendar

1. The role player navigates to the calendar and is shown the current calendar. By default all future dates have no working hours assigned to them until edited
2. she selects edit

##### Calendar period

3. she keys in a start and end date for the period to be edited  
she is not allowed to modify working hours for past dates

##### Regular working weekdays

4. she selects the lab's working weekdays from a panel  
typically Monday, Tuesday, Wednesday, Thursday and Friday  
and not Saturday and not Sunday
5. she then sets working hours for all these working days, allowing for breaks  
eg 9:00 to 12:30, 13:15 to 17:00
6. the role player may edit each weekday individually, say to use shorter working hours for Fridays 9:00 to 12:30, 13:15 to 15:00
7. she clicks [save]
8. all regular working weekdays, in the selected calendar period, are populated with these data
9. the calendar is displayed

## Holidays

10. the role player now access individual days on the calendar to indicate them as holidays, public or otherwise
11. a 'repeat holiday' function is used to enter holiday breaks of longer than one day, eg a 14 day end of year recess
12. holidays have title fields - the role player enters any text here, eg Youth day.
13. The holiday title text is displayed on the calendar in the standard weekly or monthly views
14. she saves her edits
15. no working hours are allowed on holidays. If a day has working hours assigned to it and then gets marked as a holiday, its working hours are set to zero

### Irregular days

16. individual days may be edited to reflect half days etc, eg Friday 13 March 9:00 to 12:00
17. she saves her edits

## 1.2 Calendar view

Weekly & Monthly calendar views are available, indicating holidays and non-working regular weekdays

One-click 'next' or 'previous' buttons allow for easy navigation to the next week or month

## 1.3 Late analysis alert customisation

These will now be triggered by true working hours elapsed since sample reception when compared to the allowed period specified in their set-up. Ditto for analyses listed on the late analyses page

## 1.4 Report - Turnaround times not met

A new report, reflecting late analyses per analysis service for any specified period. To be used by managers to manage bottlenecks and client queries

For

selected date range

per client or 'All'

Columns per analysis service :

Weekly sub totals: analyses late | average time late | max time late

Grand totals

**An example:**

NB Columns for 'maximum hours late' to be added, for the totals and each week - too cramped here:

Cells are left empty, e.g. not filled with zeroes, where there were no late analyses for a given analysis service

<b>Late analyses from 1 January 2006 - 1 March 2006</b>											
<b>Client: Farmers co</b>											
Number of analyses late and average time late											
<b>Analysis</b>	<b>Total</b>	<b>Ave hrs late</b>	<b>Weeks starting:</b>								
			1 Jan 06		8 Jan 06		15 Jan 06		....	21 Feb 06	
Ash	<b>36</b>	<b>4 hr</b>	5	4 hr	6	4 hr	3	3 hr	....	5	3 hr
Cu	<b>6</b>	<b>3 hr</b>					3	5 hr	....	2	3 hr
Fat	<b>12</b>	<b>8 hr</b>					3	4 hr	....	5	2 hr
Moisture	<b>3</b>	<b>1 hr</b>	1	3 hr					....	1	5 hr
....	....	....	....	....	....	....	....	....	....	....	....
Protein	<b>15</b>	<b>3 hr</b>	12	4 hr	3	1					

Shaping up to become a graph...