

## **Bika Picklists, February 2015**

draft, not implemented, lomoene

Picklists are dynamic 'continuous' work sheets that are auto populated with analysis to be done at any given time for a parameter set consisting of say Analyst, Method or Analysis Services, Instrument, etc.

It lists analyses in the same format as worksheets, but is dynamically filled - when a sample is received ready for analysis, the analyses its AR contains and satisfies the picklist criteria, it is added at the bottom of the list. Older ones at the top, disappears of the list once their results are captured.

QC samples can be inserted at configurable intervals.

When a new AR is created, and contains analysis services which are considered in a picklist it should assign the pending analysis to this list. The analysis service is the main rule for the assignment. At this moment I am not sure if the picklist is an independent view/object of the LIMS or it will belong to WS?

The parameters might be similar to the ones used to create a WS template (analysis, instrument), but instead of 'applying' the template manually, the system looks automatically for the samples that full fills it.

### **Do the pick lists are specific per instrument (or method)?**

The picklist might have a default instrument or method, but it should be possible to modified it per sample's analysis service (per line).

### **Do the pick lists are associate to one analyst?**

Each picklist should have a 'default' or 'responsible' analyst, but it should permit to change the analyst in each sample's analysis service in case it is done by another analyst.

### **First in, first out?**

As soon as the AR is created it should add the analysis to the bottom of each picklist. This does not mean that always the older analysis should be done first, although that's the idea...

### **Priority ARs?**

Urgent prioritised ARs always in front of the queue. There might be several levels in Priority AR, it should be sorted according to this rule too.

### **Further:**

When the analysis is completed it changes status and drops off the list

A frequency for Blanks, QC and duplicates is specify on the Picklist template for automatic add on to the worksheet.

Simplest will be telling the system which reference samples at configurable frequencies, e.g Blank 1 every 10th analysis, etc. That applies for duplicates too

The name of the analyst should be recorded, as well as all the other data that is captured already in worksheets.

Header data: Analyst, Instrument, Method, Analyses Services, Reference Samples

Those values should be per line. Also results, due date and state?

Retesting workflow just like on Worksheets and ARs. Retracted Analyses go back on the queue under the same rules as other 'in the lab' Analyses

In general, pick lists should look similar to WS template. For the layout tab, instead of indicating the number of cup per QC, it should be the frequency number (every nth position a QC/blank/duplicate is inserted). There is no Position number needed. It might have a default instrument and analyst but it should permit later modification per sample line.