

Breakpoint Management QA Requirements

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Product: Breakpoint Management

Revisions

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Table of Contents

[Introduction 3](#_Toc68249779)

[Format 3](#_Toc68249780)

[Post Approval 3](#_Toc68249781)

[**2839 Breakpoint Grouping** 4](#_Toc68249782)

[This group of functions are related and describe how the user of the system will have access to the QA functions. 4](#_Toc68249783)

[**2812 Pick a Breakpoint Standard from the standards accepted by IHMA** 4](#_Toc68249784)

[**2813 Pick a Breakpoint Group from a list of created Breakpoint Groups** 4](#_Toc68249785)

[**2814** Pick an individual project from a list of created projects 4](#_Toc68249786)

[**2815 Display organisms both included in a Breakpoint Group and not in a Group** 4](#_Toc68249787)

[Description 4](#_Toc68249788)

[**2816 Editing Breakpoint Groups so organisms not in a selected Breakpoint Group to be included in a selected Breakpoint Group and visa versa** 5](#_Toc68249789)

[Description 5](#_Toc68249790)

[**2840 Edit Breakpoints** 5](#_Toc68249791)

[**2812 Pick a Breakpoint Standard from the standards accepted by IHMA** 5](#_Toc68249792)

[**2813 Pick a Breakpoint Group from a list of created Breakpoint Groups** 5](#_Toc68249793)

[**2814** Pick an individual project from a list of created projects 5](#_Toc68249794)

[**2826** Display breakpoints by testing two testing types, MIC and Disc Diffusion 6](#_Toc68249795)

[**2827** Add a new breakpoint 6](#_Toc68249796)

[**2828 Delete breakpoint** 6](#_Toc68249797)

[**2841Project Breakpoint Report** 7](#_Toc68249798)

[**2745 HANK Project Breakpoint Report** 7](#_Toc68249799)

[**2842 Breakpoint Group Definition Report** 7](#_Toc68249800)

[**2738 HANK Breakpoint Group Definition Report** 7](#_Toc68249801)

[**Requirements marked by priority** 7](#_Toc68249802)

[**Approver list** 9](#_Toc68249803)

# Introduction

This document describes what requirements must be implemented into Labform. These requirements describe what constitutes the completeness of the Labform QA functionality.

Because this document does not describe the design details, there may be minor variances in the finished product. Such details become essential during the design and implementation phase. The functional stakeholders will be engaged during this process and have the final say on these details.

# Format

The requirements are grouped in functional feature areas. These areas are collections of functions that are related. For example, all functions that relate to making a change to a QA flag, or its state, will be grouped together.

Each requirement will have a description and what business criteria shall be applied to determine if the requirement has been delivered. A requirement may have essential comments to help the development team better understand or research the functional topic that a requirement represents.

Each title of a requirement is a link to our DevOps system that captures the requirement and keeps a log of all work that has been performed or will be performed to complete it.

# Post Approval

Once this document has been approved it shall serve as a point of reference for the business team and the development team. However, this document will not be maintained after it has been approved. All requirements that have been described here have an equivalent user story in DevOps. DevOps will be synchronized with this content upon approval and shall take precedence going forward. Any change post-approval shall be maintained in DevOps and implemented following the Systems Development Life Cycle process which is currently in draft form.

# [**2839**](https://dev.azure.com/ihmainc/IHMA%20Backlog/_backlogs/backlog/IHMA%20IT/Epics/?showParents=true&workitem=2839) **Breakpoint Grouping**

# This group of functions are related and describe how the user of the system will have access to the QA functions.

### [**2812**](https://dev.azure.com/ihmainc/IHMA%20Backlog/_backlogs/backlog/IHMA%20IT/Epics/?showParents=true&workitem=2812)**Pick a Breakpoint Standard from the standards accepted by IHMA**

#### Description

#### Pick a Breakpoint Standard from the standards accepted by IHMA

#### Acceptance Criteria

* Display Breakpoint Standards
* Allow for selection of an individual Breakpoint Standard

### [**2813**](https://dev.azure.com/ihmainc/IHMA%20Backlog/_backlogs/backlog/IHMA%20IT/Epics/?showParents=true&workitem=2813)**Pick a Breakpoint Group from a list of created Breakpoint Groups**

#### Description

Pick a Breakpoint Group from a list of created Breakpoint Groups.

#### Acceptance Criteria

* Display Breakpoint Groups
* Pick an individual Breakpoint Group

### [**2814**](https://dev.azure.com/ihmainc/IHMA%20Backlog/_backlogs/backlog/IHMA%20IT/Epics/?showParents=true&workitem=2814)Pick an individual project from a list of created projects

#### Description

#### Pick an individual project from a list of created projects

#### Acceptance Criteria

* Display created projects
* Pick an individual project from a list of created projects

### [**2815**](https://dev.azure.com/ihmainc/IHMA%20Backlog/_backlogs/backlog/IHMA%20IT/Epics/?showParents=true&workitem=2815) **Display organisms both included in a Breakpoint Group and not in a Group**

### Description

#### Display organisms both included in a Breakpoint Group and not in a Group

#### Acceptance Criteria

* Display two lists of organisms. One that shows the organisms included in the selected Breakpoint Group and one that show the organisms not included in the selected Breakpoint Group

### [**2816**](https://dev.azure.com/ihmainc/IHMA%20Backlog/_backlogs/backlog/IHMA%20IT/Epics/?showParents=true&workitem=2816) **Editing Breakpoint Groups so organisms not in a selected Breakpoint Group to be included in a selected Breakpoint Group and visa versa**

### Description

Editing Breakpoint Groups so organisms not in a selected Breakpoint Group to be included in a selected Breakpoint Group and visa versa

#### Acceptance Criteria

Change the organism composition of a Breakpoint Group

# [**2840**](https://dev.azure.com/ihmainc/IHMA%20Backlog/_backlogs/backlog/IHMA%20IT/Epics/?showParents=true&workitem=2840) **Edit Breakpoints**

This group of functions are related and describe how the tool edits Breakpoints.

### [**2812**](https://dev.azure.com/ihmainc/IHMA%20Backlog/_backlogs/backlog/IHMA%20IT/Epics/?showParents=true&workitem=2812) **Pick a Breakpoint Standard from the standards accepted by IHMA**

#### Description

#### Pick a Breakpoint Standard from the standards accepted by IHMA

#### Acceptance Criteria

* Display Breakpoint Standards
* Allow for selection of an individual Breakpoint Standard

### [**2813**](https://dev.azure.com/ihmainc/IHMA%20Backlog/_backlogs/backlog/IHMA%20IT/Epics/?showParents=true&workitem=2813) **Pick a Breakpoint Group from a list of created Breakpoint Groups**

#### Description

Pick a Breakpoint Group from a list of created Breakpoint Groups.

#### Acceptance Criteria

* Display Breakpoint Groups
* Pick an individual Breakpoint Group

### [**2814**](https://dev.azure.com/ihmainc/IHMA%20Backlog/_backlogs/backlog/IHMA%20IT/Epics/?showParents=true&workitem=2814)Pick an individual project from a list of created projects

#### Description

#### Pick an individual project from a list of created projects

#### Acceptance Criteria

* Display created projects
* Pick an individual project from a list of created projects

### [**2826**](https://dev.azure.com/ihmainc/IHMA%20Backlog/_backlogs/backlog/IHMA%20IT/Epics/?showParents=true&workitem=2826)Display breakpoints by testing two testing types, MIC and Disc Diffusion

#### Description

#### Display breakpoints by testing two testing types, MIC and Disc Diffusion

#### Acceptance Criteria

* Display created projects
* Pick an individual project from a list of created projects

### [**2827**](https://dev.azure.com/ihmainc/IHMA%20Backlog/_backlogs/backlog/IHMA%20IT/Epics/?showParents=true&workitem=2827)Add a new breakpoint

#### Description

#### Add a new breakpoint

#### Acceptance Criteria

* Add a new breakpoint using the selected Standard, Group, and Project. Close the application and the new breakpoint should be visible.

### [**2828**](https://dev.azure.com/ihmainc/IHMA%20Backlog/_backlogs/backlog/IHMA%20IT/Epics/?showParents=true&workitem=2828) **Delete breakpoint**

#### Description

Delete breakpoint.

#### Acceptance Criteria

* Delete a breakpoint. Close the application and bring it back and the breakpoint should be removed from the display

# [**2841**](https://dev.azure.com/ihmainc/IHMA%20Backlog/_backlogs/backlog/IHMA%20IT/Epics/?showParents=true&workitem=2841)**Project Breakpoint Report**

This group of functions are related and describe how a manager shall show a project breakpoint report.

### [**2745**](https://dev.azure.com/ihmainc/IHMA%20Backlog/_backlogs/backlog/IHMA%20IT/Epics/?showParents=true&workitem=2745) **HANK Project Breakpoint Report**

#### Description

The manager enters the QA Flag functionality to create a new flag

The Edit option is the same

#### Acceptance Criteria

* Display should show all breakpoints
* Display should be grouped by breakpoint standard name, breakpoint group name, and project

# [**2842**](https://dev.azure.com/ihmainc/IHMA%20Backlog/_backlogs/backlog/IHMA%20IT/Epics/?showParents=true&workitem=2842) **Breakpoint Group Definition Report**

This group of functions are related and describe how the system displays a Breakpoint Group Definition report.

### [**2738**](https://dev.azure.com/ihmainc/IHMA%20Backlog/_backlogs/backlog/IHMA%20IT/Epics/?showParents=true&workitem=2738) **HANK Breakpoint Group Definition Report**

#### Description

#### HANK Breakpoint Group Definition Report

#### Acceptance Criteria

* Display should show all Breakpoint Standard Names
* Display should show all Breakpoint Group Names
* Display should show all Organisms
* Display should be grouped by Breakpoint Standard Names, Breakpoint Group names, and Organisms

# **Requirements marked by priority**

RED (1) = requirement is higher priority

GREEN (2) = requirement is high priority following higher priority requirements

BROWN (3) = requirement is low priority

BLACK (4) = requirement can wait

BLUE (5) = requirement will not be implemented

|  |  |  |
| --- | --- | --- |
| **User Story** | **Title** | **Priority** |
| **1253** | **QA Flag Feature Access** |  |
| 1193 | User gets option to manage violations | 1 |
| 1257 | Systems displays list of all flags | 4 |
| 1202 | Available management functions | 1 |
| 1255 | User creates a template that uses the flags | 1 |
| 1260 | User has option to view violations for a batch | 1 |
| **1289** | **System Administration** |  |
| 1213 | Drug and Drug classes are maintained outside Labform | 1 |
| 1292 | QA Flag ID is auto assigned | 1 |
| 1322 | Breakpoint maintenance migrate to Labform | 3 |
| 1329 | QC Maintenance Migration to Labform | 3 |
| 1538 | User creation of form submission validation | 3 |
| 1477 | Labform QA – Development Team - Technical Story | 1 |
| **1250** | **Manage QA Flags** |  |
| 1197 | Labform user creates QA flag | 1 |
| 1258 | User Adds Drug Range Rule | 1 |
| 1259 | User adds Dilution Difference Rule | 1 |
| 1287 | User Adds Drug Interpretation Rules | 1 |
| 1288 | User Adds Drug Class Interpretation Rule | 1 |
| 1200 | User selects if QA flag type is global or not | 1 |
| 1187 | User selects 'Confirm ID' for QA Flag action | 2 |
| 1208 | Searchable List & Dropdown List | 1 |
| 1221 | User wants to deactivate a QA flag | 1 |
| 1291 | User wants to activate a QA flag | 1 |
| 1212 | Create trigger for a 3rd test to confirm if S/R | 2 |
| 1506 | Reset violations upon organism re-identification | 2 |
| **1254** | **Test / Apply QA Flag** |  |
| 1203 | User specifies flags at the project association page | 2 |
| 1218 | Resistant to all flag | 3 |
| 1290 | User Completes Batch and system applies QA rules | 2 |
| 1190 | Labform keeps a log of violations | 2 |
| 1204 | Labform keeps a log of violations | 2 |
| 1306 | Auto confirm rule from previous testing - example Colistin | 3 |
| 1307 | Delta Check Flag | 3 |
| 1316 | Rule: Data in OUTSTANDING status does not have time constraint | 1 |
| 1321 | Rules Engine (Technical Story) | 2 |
| 1210 | Create Micro Service Job to run QA Violation Job | 2 |
| 1199 | Action statuses listed on report | 2 |
| 1205 | Confirm if Violation has been confirmed based on previous testing | 3 |
| 1207 | States of violations in report/email | 2 |
| 1189 | Labform notifies technician (email portion) | 2 |
| 1320 | Report: Query the number of QA violations and the number of retests by project number | 3 |
| 1216 | QA flags regarding incorrect number of results | 4 |
| 1217 | Override form submission validation | 3 |
| 1530 | Rule: Isolates that have outstanding violations are not queued for release to LabVantage | 1 |
| 1676 | Rule: QA Violation | 5 |
| **1251** | **Review & Release Violations** |  |
| 1308 | Create UI Review Page - Landing Page | 1 |
| 1196 | Option to annotate results in a comment section | 1 |
| 1192 | User determines to release data that violate QA | 1 |
| 1191 | Re-Produce/Retrieve QA UI Report by batch identifier | 1 |

# **Approver list**

The persons approving this document are:

**Lab                                                   IT**

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