

SECTION 1. CHANGES IN V1.2

Section 1.1. ABOUT THIS DOCUMENT

1.1.1. Purpose

This document provides a brief overview of the changes made between V1.1 and V1.2 of the hub2 software, along with information on where further details for these changes can be found within the v1.2 Functional Specification.

It also lists any bug fixes which have been completed in the new version and any outstanding issues known prior to handing over to testing.

Section 1.2. FIXED ISSUES

The following are a list of issues reported in previously releases that have been fixed in v1.2 of hub2.

1.2.1. Fixed Issues

| Case | Title [sic] | Details |
|---------------------------|---|---|
| 46189 | 'Tagged Item Search will match Tag ITRs on a different Level' | When searching Tagged Items (which are assigned at Level C of the data structure) and filtering on Tag ITRs (which are assigned at Level E) the results would include Tag ITRs from all Level Es. This behaviour has now been corrected so that only Tag ITRs from the current Level E are returned. |
| 46293 | 'Delete Dialogue can be larger than the screen' | When deleting large amounts of data the Delete Check dialogues could appear longer than the available length of the page. This has now been fixed and the delete dialogues can be no larger than a page, and will contain a scroll bar if required. |
| 46257 | 'Tagged Item Search doesn't list Test Reference next to Tag ITRs making it hard to tell the difference' | If a Tagged Item had two Tag ITRs of the same ITR Type associated with it there was no way to tell the Tag ITRs apart. This has been fixed by now having a tooltip appear when the user hovers over an ITR which provides further details. |
| 46941, 46971, 46973 | Various Issues with Labels and Messages | Issues with Labels throughout the applications e.g. Missing spaces between words, grammar or spelling mistakes etc. These have been corrected. |

| Case | Title [sic] | Details |
|--------------|---|--|
| 46972 | Cleared By and Accepted By Values on Punch List Items aren't Hyperlinks | <p>The Cleared By and Accepted By values on Punch List Items View page should be links to the Authorised Person's view page but instead were just displayed as plain text.</p> <p>This has been corrected and the items are now links.</p> |
| 47015 | Tag PWL – Values displayed incorrectly after Verified | <p>When the user Verified a Tag PWL via the Verification Panel on the View page, the values entered did not correctly display on the View page until after the page had been refreshed.</p> <p>This has been fixed so the values will automatically update after the Verify button is pressed.</p> |
| 47030 | Completed By should be Hyperlink on Test Pack View Page | <p>The Completed By value on Test Pack View page should be a link to the Authorised Person's view page but instead were just displayed as plain text.</p> <p>This has been corrected and the items are now links.</p> |
| 47032 | Date Picker Appearance on IE in the Edit Digital Document page | <p>When using Internet Explorer on the Digital Documents page for Tag ITRs the date picker was displayed with a dark grey background making it hard to see the dates on the picker.</p> <p>This has been corrected and the date picker is now correctly displayed with a white background, as with all other date pickers.</p> |
| 47047 | Digital Documents cannot be deleted if they have a completed Table | <p>Since Version 1.1 Digital Documents can have tables on them that can be completed with additional data. When these Digital Documents were completed it was no longer possible to delete the Digital Document its self.</p> <p>This has been fixed and the Digital Document can now be deleted even when it has a Table.</p> |
| 47083 | Save & View Buttons didn't work on the Tag ITR Edit Page | <p>When clicking Save & View on the Tag ITR Edit page the Tag ITR would be successfully saved but it would then fail to redirect correctly leading to the User being navigated to a "Bad Request" page.</p> <p>This has been fixed and the user is now successfully navigated to the correct page.</p> |
| 47098 | No "Save & View" button on Edit Attachment page | <p>There was no "Save & View" Button on the Edit Attachment page unlike all other Edit pages.</p> <p>This button has now been added.</p> |
| 47108 | Wrong title on Report Filters for custom reports | <p>The title "Tag ITR Filters" appears on custom reports that use filters other than the Tag ITR Filters.</p> <p>This has been fixed so the correct header appears for each report.</p> |

| Case | Title [sic] | Details |
|-------|--|--|
| 47371 | Handover grouped by Secondary Handover results don't contain a column for Primary Handover | <p>On the Handover result page it is useful to have results to the both the Primary and Secondary Handover available. This allows the table to be sorted by Primary Handover or the user to automatically link to the Primary Handover when required.</p> <p>The Primary Handover column has been added and the Secondary Handover column shortened, to no longer include the Primary Handover prefix to save space on the result table.</p> |

Section 1.3. OUTSTANDING ISSUES

The following issue have been identified but still existing on the release version of v1.1. They are due to be fixed in the next version unless otherwise stated.

1.3.1. Outstanding or New Issues

| Case | Title | Details | Estimated Fix Date |
|-------|--|--|--------------------|
| 45316 | 'Duplicate Bookmarks cause the Document to fail to generate' | If a Template Document has two Bookmarks that get the same information i.e. "Discipline" and "bmDiscipline" then the document will fail to generate | v1.3+ |
| 45235 | 'Exporting a large amount of data from a Tagged Item Search Screen can fail' | When Exporting Tags, Test Packs etc. the Sub System information must be included as a Comma Separated Value (CSV). Doing this causing the Export to sometimes timeout. | v1.3+ |

Section 1.4. FEATURES

The following functionality has been added in v1.2.

Items listed under **Technical** should have no impact on functionality and therefore have no further details added in this document.

The items under **Functional** change or add functionality to hub2, a brief description of this change is given with details on where to find further information in the Functional Specification for this version.

Technical

- Handovers Refactoring
- Tagged Items Refactoring

- Alias Checking Refactoring
- Report Controller Refactoring
- Async Search Calls Re-enabled
- IDs added to the Search Buttons

Functional

- New Fields Added
- Area and Module Handovers
- Custom Fields
- Q Packs
- Uploading Barcoded Documents
- Date Fields on Digital Documents
- Images on Digital Documents
- Multi Tag ITRs
- Add Export without data to Import page
- Buttons at Top and Bottom of section
- Required Fields on Imports
- Outstanding Filters on Tag ITRs
- Auto Filtering on Excel Exports and Reports
- Tagged Items – Tag ITR Column Tooltip
- Import Type added to Import Result File Name

1.4.1. New Fields Added

Full Details – Entity Diagrams throughout Functional Specification

A number of new fields have been added throughout hub2 that were previously available in GoCompletions.

1.4.1.1. New Tables

The following tables have been added

- Area
- Module
- Priority
- Project Code
- System Group

Each table is at Level C and contain the fields Name and Description.

The Area, Module and System Group Tables are alias able via the Level A admin screen.

1.4.1.2. Changes to Existing Tables

The following fields have been added to the respective tables

Authorised Person

- Company
- Inactive⁽¹⁾
- Position

Cables

- Core
- Size

Drawings

- Area
- Module
- Revision
- Revision Date

ITRs

- Man Hours
- Is Multi Tag

Job Card

- Comments

MOC

- List of Areas
- List of Modules

Primary Handover

- Project Code

Level A-E

- Disabled ⁽²⁾

Level B (only)

- Sandpit

Punch List Items

- Area
- Module
- Planned Date
- Job Card
- Man Hours
- Raised By
- Raised By Date

Secondary Handover

- Phase
- Priority

Sub System

- Comments
- Priority

System

- Comments
- System Grouping

Tagged Items

- Area
- Is Safety Critical Element
- Is Validated
- Manufacture
- Module
- Serial Number

⁽¹⁾ – Authorised Persons who are set to inactive will not be able to sign off any item which requires permissions

⁽²⁾ – Levels which are disabled will not be accessible by any user, even if they have the correct permissions.

1.4.2. Area and Module Handovers

Full Details in: Section 22 - Handovers

The new tables Area and Module have been made available as Handover Type Groupings. This means Handovers can now be created for each Area or Module.

1.4.3. Additional Reports and New Fields on Reports

Full Details in: Section 38 – Reporting

The reporting section has been updated to add in some of the new fields detailed in Section 2.4.1

- New Skyline Reports have been added for Area and Module.
- Area, Area Description, Module and Module Description have been added as both fields and groupings to the detailed reports for Tag ITR, Tag PWL, Punch List Item, Tagged Item and all Tag Extension Reports.
- Raised Date and Raised By have been added as available field for Punch List Item Detailed Reports.
- The available grouping for Summary Counts have been extended to include Area and Module.

1.4.4. Custom Fields

Full Details in: Section 39 – Custom Fields

Custom Fields allow new additional fields to be added to hub2. These are designed to work in the same way as the existing fields, but they can be used defined.

The following tables can have Custom Fields:

- Cable
- Line
- Mechanical Joint
- Spool
- Tag
- Test Pack
- Tagged Items (custom fields which are then available on all of the above)

The following types of fields can be set

- Boolean
- Date
- Reference Table
- String

The Reference Table fields automatically creates a new reference table that will appear in the Ref Table section and works like any other reference table with the Name and Description fields. These tables can be imported and exported as well.

1.4.5.Q Packs

Full Details in: Section 24 – Q Pack

Q Packs have been added and allow a set of Digital Documents to be created for each Tag. The Q Packs are mainly designed to monitor the various activities done during Construction and will normally be 1 to 1 with a Tag but the section has been designed to allow multiple Q Packs to be assigned to a Tag if required. They work in the same way as the existing Digital Documents associated with Tag ITRs.

1.4.6.Uploading Barcoded Documents

Full Details in: Section 31.2.5.1 – Attachments – Pages - Uploading Barcoded Documents

As with previous GoTechnology products, it is now possible to print barcoded documents which can be scanned and automatically assigned within hub2. It is also possible for the user to override the automatic assignment as required.

1.4.7.Date Fields on Digital Documents

Full Details in: Section 33.2.1.1.b - Certification Output – Digital Documents Add and Edit – Task Section

Additional Task Results Types have been added to the Digital Documents to allow Dates and Signatures to be recorded for each Digital Document. Previously only checkboxes and comments could be used on Digital Documents with a Task being considered complete if it had a Checkbox or Comment, the Date Selection allows the user to select a date for each Task and/or an Authorised Person.

1.4.8.Images on Digital Documents

Full Details in: Section 33.2.1.1.b Certification Output – Pages – Digital Document Add and Edit – Tasks Section

The ability to add an Image to a Document Task has been implemented. This allows the user to Upload, and then Download, Replace and Delete an image for a Task. The image will then display on screen and in generated pdf format. There is no corresponding Task Result for Tasks with a Task Type of Image.

1.4.9. Multi Tag ITRs

19.2.2 – Tag ITR – Multi Tag – Search & Generate

Multi Tag ITRs have been added to allow a user to generate the details on more than one Tag ITR onto a single Word Document. At the moment the Multi Tag ITRs will simple use the standard ITR bookmarks but instead display any information as a Comma Separated List, future work in planned to allow tables of data to be added.

The Multi Tag ITRs are only available in Word Format and can only be generated if the Tag ITRs belong to the same Sub System. Generation of Multi Tag ITRs are done from their own separate search page.

1.4.10. Add Export without data to Import Page

Full Details in: Section 37.2.1 – Imports and Exports – Pages - Import Page

The ability to download blank templates has been added to the Import page, this functionality will download the select Import Types template in either XLSX or CSV Format. The ability to download all blank templates in a ZIP file has been added also, with this option only available for the XLSX templates.

1.4.11. Buttons at Top and Bottom of Section

When navigating through hub2 it's possible that the standard buttons needed to perform the actions on the page such as Search, Save or Edit are off-screen when the page first loads, since the buttons generally appear at the bottom of the page. All pages have been adjusted to have buttons at the top, while retaining the buttons at the bottom where required. There are a few places where this hasn't been done as the screen is small enough to never require scrolling.

1.4.12. Required Fields on Imports

Full Details in: 37.1.7.8 - Imports and Exports – Validation – Get Current Record

It is now possible to remove "Required" columns from Import templates for existing records.

1.4.13. Outstanding Filters on Sign off Dates

When filtering by Sign off Dates in hub2 it was possible to search for date range that been set, however there were no options to search for all items that were signed off or all outstanding items.

This has been changed so now there is an option to select all items with a date, or all items without a date. The standard date range searches have also been retained.

1.4.14. Auto Filtering on Excel Exports and Reports

Section 9.3 – Exports – File Formats – Microsoft Open XML Excel Format (XLSX) & Section 37.2.2 – Reporting – Report Layout – Microsoft Open XML Excel Format (XLSX)

When Exporting data in Excel format either from the Exports or Reporting section the header rows are automatically set to the Filtering mode which allows the user to filter data on an Excel spreadsheet.

The functionality will only work with certain Spreadsheet tools such as Microsoft Excel 2017.

1.4.15. Tagged Items – Tag ITR Column Tooltip

Section 15.2.1 – Tagged Item Search & 16.2.1 –Tag Search & Section 17.2.1 – Cable Search & Section 26.2.2 – Piping Search

On the Tagged Item Search screen and the Tag Extensions search screen a “tool tip” has been added to the values in the Tag ITR column to provide further details on each Tag ITR. This is especially helpful in situations where two Tag ITRs have the same ITR Type but different Test References, as otherwise these would appear to be identical.

1.4.16. Import Type added to Import Result File Name

Section 37.1.8.1.a – Imports and Exports – Import Result Sheet – XLSX Results

The Type of Import (Validate, Simulate, and Full) has been added to the Import Result filename to make it easier to identify which result sheet corresponds to which completed import.