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| **Test Report** Author: Dominic Woollatt - Met Office  Date: 03/03/2016 | GeoNetwork opensource logo |

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| **OpenWIS Version: v3.14.2 (v3.14.3 was unavailable for testing)** | |  | |
| **Test Date** | 01/03/2016 – 02/03/2016 | **Testing Complexity** | **Low** |

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| **Test Results** (see completed test cases for further detail) | |
| Use Case B.1, Provide Metadata for Data or Product | **FAIL** |
| Use Case B.2, Upload Data or Product to DCPC or GISC | **PASS** |
| Use Case B.3, Control Metadata Association to Data or Product | **PASS** |
| Use Case B.4, Manage Cache of Data across GISCs | **PASS** |
| Use Case B.5, Maintain Identification and Role Information for WIS Users | **FAIL** |
| Use Case B.6, Discover Data or Products | **PASS** |
| Use Case B.7, Ad Hoc Request for Data or Product ("Pull") | **PASS** |
| Use Case B.8, Subscribe to Data or Product ("Push") | Out of Scope |
| Use Case B.9, Download Data or Product from WIS Centre | Out of Scope |
| Use Case B.10, Provide Dissemination Metadata | **FAIL** |
| Use Case B.11, Report Quality of Service across WIS Centres | Out of Scope |

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| **Defect Severity** (Critical-High-Medium-Low) | **High** |

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| **Defects/Recommendations** | |
| **Defect** | **Recommendation** |
| **UC.B.1 – Issue** [**#98**](https://github.com/OpenWIS/openwis/issues/98)Still get “Unable to extract an URN or a datestamp from the metadata record” errors for DWD harvest. – leads to missing metadata - Was supposed to be fixed in [**PR #99**](https://github.com/OpenWIS/openwis/pull/99) | Try to fix again  (or did v3.13.2 break original fix?) |
| **UC.B.1 – Issue** [**#73**](https://github.com/OpenWIS/openwis/issues/73)Editor able to assign metadata to incorrect category | Editors need to belong to Groups with permissions restricted to specific categories |
| **UC.B.1 – Issue** [**#73**](https://github.com/OpenWIS/openwis/issues/73)Editor can import modified metadata with duplicate urn and category and overwrite original | Only allow owning editor (group if implemented) to overwrite their metadata |
| **UC.B.1 – Issue** [**#73**](https://github.com/OpenWIS/openwis/issues/73)Editor can import modified metadata with duplicate urn and assign to different category and overwrite original | Only allow owning editor (group if implemented) to overwrite their metadata |
| **UC.B.1 – Extra Note -** Cross site scripting has been spotted in the security test e.g. ability to add a script to the ‘title’ of a metadata – as well as with the defects above, will expose all global GISCs to security risks. | Fix cross site scripting issues and introduce group privileges for editors (as above) |
| **UC.B.5 –** Editor Account issues - Same defect as UC.B.1 Editor issues above. | Editors need to belong to Groups with access to specific categories and only be able to overwrite their own metadata |
| **UC.B.10 – Issue** [**#152**](https://github.com/OpenWIS/openwis/issues/152)exporting reports does not function correctly – xml is missing | Investigate and fix |

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| **Additional observations** |
| Some original requirements have not been met (relates to **UC.B.1**)  a) REQ-M.4.4.17: User MUST not be able to access particular metadata, data nor services unless they have the appropriate roles  b) REQ-M4.1.1.11: The system MUST maintain the integrity of the data |
| **Issue** [**#89**](https://github.com/OpenWIS/openwis/issues/89)**,** [**#123**](https://github.com/OpenWIS/openwis/issues/123) **and** [**#124**](https://github.com/OpenWIS/openwis/issues/124) – causes metadata to fall out of synch with other GISCs - affects **UC.B.1** |
| **Issue** [**#32**](https://github.com/OpenWIS/openwis/issues/32) in GitHub still happens.  Cannot create metadata: OpenWIS derives an empty string as the value for "GTS Category"  **Note:** this only applies to non WMO data. |
| **Issue** [**#44**](https://github.com/OpenWIS/openwis/issues/44) still exists - Browse Cache Content does not maintain Metadata ID criteria when change pages |
| **Issue** [**#93**](https://github.com/OpenWIS/openwis/issues/93) File Size is always shown as zero in collection.log |
| Obviously the other Bugs listed in GitHub and Jira also still apply. |

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| **Out of Scope** |
| Installation Testing |
| Load Testing |
| Performance Testing |
| Penetration Testing |
| As there is no FTP/email harness available for use with the AWS instance of OpenWis, all tests involving data delivery by FTP/email will be skipped including other online and offline options. |
| DCPC/NC Deployment Testing |

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| **Hosting Environments** |
| Met Office Development System v3.14.2 (AWS system was unavailable for testing of v3.14.3) |

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| **Testing Team Members** |
| Dominic Woollatt |