**Summary Report of Current OpenWIS Development**

**as of 1:30 UTC 4th March 2016**

For TC meeting 7-8 March 2016, Seoul, Korea

* **OpenWIS 3.14 release:**
  1. The release is currently "feature complete" and is ready for testing.  All systems have been uplifted and two bugs relating to metadata have been merged.
  2. Latest build of OpenWIS 3.14.3 is currently failing due to the shut-down of codehaus.org, which is a code hosting site similar to Github that is used to host a few Java libraries used by the build.  A pull request has been submitted to fix this.  For the moment, this is considered the most up-to-date version of OpenWIS, and is targeted for release
  3. Latest build of OpenWIS 3.14.4, which contains OWASP dependency check (a build plugin that checks for any vulnerability in 3rd party libraries) is currently succeeding.  However, this is currently missing the latest vulnerability fix for the user registration page. 3.14.4 is a branch used to improve Maven build, which incudes
     + Move to Maven 3
     + Addition of the OWASP dependency checker.

However, 3.14.4 does not include all fixes to date and will not be used for release at the moment

* 1. At the moment, Oracle Java is being used for building OpenWIS to support encryption algorithms required by OpenDJ. Other services use OpenJDK.
* **Release timeline** 
  1. OpenWIS 3.14.3 is for release builds.  UKMO has run through the test plan and identified some bugs that need fixing.  We will need to go through at least one more bug-fix, deploy, and test cycle before the final release, which is possibly before the end of March.
* **AWS Deployment**
  1. There currently exists a test environment for automatic end-to-end testing. Used as part of Jenkins build.
  2. Setup of parallel testing environment for partners to perform manual end-to-end (functional) testing is in progress.
  3. Provisions for the AWS VMs and virtual networks have been put in place.
* **Testing:**
  1. A test-plan, based on the use cases in the WIS Compliance Specifications for GISC, DCPC, and NC, has been developed
  2. OpenWIS 3.14 has undergone penetration testing by UKMO.  A report of the vulnerabilities will be released soon.
  3. Work is underway for setting up a shared OpenWIS environment for testing of OpenWIS by the association.  This will be based on, but separate to, the environment used for the uplift testing.
  4. The current outstanding tasks are:
     + A new set of Jenkins jobs to set-up and tear down the shared community environment.
     + A new DNS subdomain for configuring OpenDJ and providing an access point to the portals.
* **Jenkins & Cloudbees:**
  1. All release builds are now being performed using Jenkins in Cloudbees.  A complete build includes:
     + The execution of unit tests.
     + Setting up a test environment in AWS
     + Executing End-E black-box testing of each uplifted component of OpenWIS.
  2. There is also a nightly and develop build which will conduct a single Maven build without running the full set of tests.