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Wiltshire Council

New Works Contract

Project WorkDocument

April 2013



Document History

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| Version Number | Author | Date | Changes Made |
| 0.1 | Jim Luff | 10/10/12 | First Draft |
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**3.0 Summary**

1. **Introduction**

This document is based upon the original scoping document of the 10th October 2012. This document now contains the revised task list for the work needed to accommodate the changes required for the new TMC starting on the 1st June.

1. **Areas of New Functionality**
   1. **New themes**

**2.1.1 Activity code CR**

This needs to be based upon defect status. Availale, instructed and actioned**.**

**2.1.2 Instructed defects theme**

Based on new contractor (duplicate of the Ringway theme currently being used and excuding activity code CR)

To be delivered by the middle of May for testing.

* 1. **Change to the trigger written by Exor to complete defects when a WC file is loaded in.**

Currenlty all defects are updated, a change is required to exclude defects associated with activity type CR

Note: Need to find out what the trigger is called then amend it, Clive Thurtell may know something. Check PVCS

To be delviered by the middle of May.

* 1. **Trigger to link PEM with the defect when the defect is loaded into Exor**

Wiltshire often contact contractor operatives in the field by email or phone and ask them to investigate and, if possible, repair an issue reported through PEM. The contractor operating a find and fix service will record the defect as completed if it can be fixed on site, or as an uncompleted defect if it cannot be repaired immediately.

If the operative was to be given the PEM id and incorporated this into the defect data coming back into Exor, the trigger would be able to recognize the PEM id and link the defect to the PEM.

The requirements are: -

* + 1. Advice on where the PEM id could to be entered. It is suggested that the PEM id could be set up as an attribute for each defect type.
    2. The trigger picks up the PEM id and links the defect to the PEM.
    3. If the defect status is complete then the PEM is closed.
    4. The PEM completed date to be the defect completed date.
    5. If the defect status is available the PEM status to be changed to defect
    6. raised.
    7. When defect placed on works order and completed, PEM completed date to be defect completed date. It is not clear which date is currently used to complete a PEM where a linked defect is completed.

***Bentley Note:*** *This will require the writing of triggers to accomplish. It is expected that this should take no more than four days of effort.*

To be delviered by the middle of May.

2.4 Disable trigger that places OSGR into Special intructions field.

WCC also have a trigger that puts USRN into special instructions field, ti could be the same one so it might be a case of amending a trigger rather than disabling it.

To be delviered by the middle of May.

* 1. **Automation of CIM file extraction and loading of WC files**

Wiltshire currently uses CIM and will require the automation of the WO file extract process and loading of WC files. The requirements are:-

* + 1. Extraction for two contracts only
    2. The frequency for one contract will be once per day at 15.00 Monday to Friday
    3. The frequency for the other contract will be every half hour between the hours of 08.00 and 17.00 Monday to Friday.
    4. The WO files to be sent to a secure ftp server
    5. Achieve copies of WO files in folder - location to be given by Wiltshire
    6. Email alert to system administrator if extractions fail.
    7. Process to pole the ftp server for WC files from the works contractor only.
    8. Move files to load folder and load into Exor
    9. Achieve copies of WC files in folder – location to be given by Wiltshire.
    10. Delete collected files from ftp server folder
    11. Email alert to system administrator if load fails.

WI files are outside the scope of this work.

***Bentley Notes:*** *This will require a combination of configuration of alert manager for the automated sending of e-mails, configuration of Automated Work Process Manager for processing the files automatically and the writing of some bespoke scripts for file manipulation. There is a question outstanding as to what constitutes a failure in the extraction or load of data and this may affect how and when alerts may be sent. Setting this aside, it is expected that the remainder of the work will take no more than two days effort.*

* 1. **Automation of the loading of specific defect files provided by the works contractor**

It is envisaged that the works contractor will be providing a find and fix service and collecting defect data during this process. In addition to completed defects, the contractor may also record defects still to be completed. Highway inspectors will routinely be doing inspections and creating defect files. The requirements are: -

* + 1. Defect files from the contractor will have a particular extension, currently ESI, and deposited onto the secure ftp server by the contractor.
    2. Process to pole the ftp server for RSI files from the works contractor and load into Exor.
    3. Email alert to system administrator if load fails.
    4. Archive copies of defect files in folder – location to be given by Wiltshire.
    5. Delete collected files from ftp server folder
    6. Defect files from inspectors to be deposited in network folder to be decided.
    7. Process to poll this folder and load files into Exor. Extension is currently RSI.
    8. Email alert to system administrator if load fails.
    9. Achieve copies of defect files in folder – location to be given by Wiltshire.
    10. Delete loaded files from the load folder

***Bentley Note:*** *This will require a combination of configuration of alert manager for the automated sending of e-mails, configuration of Automated Work Process Manager for processing the files automatically and the writing of some bespoke scripts for file manipulation. There is a question outstanding as to what constitutes a failure in the extraction or load of data and this may affect how and when alerts may be sent. Setting this aside, it is expected that the remainder of the work will take no more than two days effort. In the statement 2.3.1 above there are two types of file extension, ESI and RSI. The example sent was an ESI file format and it is assumed that all files are in this format.*

1. **Summary**