

## 97 - Landmark Q&A

### Questions and Answers

Following table contains responses from Landmark as of 14 Oct 2018.

No	Owner	Description	Response	Comments
1	Valtech	To check whether the latest technical documents provided for the Viewdeck service review work can be utilised before requesting any additional documents/metrics of the current service.	Done: <a href="#">Landmark documents</a>	
2	Landmark	Provide the Java and Oracle source code, including database stored procedures, triggers etc.	<p>Note that all source code is deposited in ESCROW following each deployment to the production environments. MHCLG has the details of how to release the source code from ESCROW. The source code can be provided separately if required. Please advise.</p> <p>17 Oct 2018 ( <a href="#">Alan Gorton</a> ): requested access to code directly (with <a href="#">Debbie Brown</a> <a href="#">Suvendran Krishnamurti</a> ).</p>	See Point 13
3	Landmark	State rationale for separate code bases and web / API instances for Northern Ireland and England & Wales (Domestic and Non Domestic).	There is code that is common between E&W and NI. There is also code that is common between Domestic and Non Domestic. There is code that is common to all four EPB Registers and there is code that is specific to a single EPB Register. The rationale behind this is to minimise the amount of duplicate code.	
4	Landmark	Classify data types (e.g. PDFs, Audit Records, XML documents etc.) and provide volumetrics for items held in long term storage.	<p>Database (Oracle): 1TB</p> <p>PDF (Centera): 50TB</p> <p>XML (Centera): 10TB</p>	
5	Landmark	Is data held in Oracle and / or long term storage compressed? Encrypted at rest?	<p>Done.</p> <p>Domestic Lodgement XMLs are compressed whilst Non Domestic XMLs are not compressed. Lodgement XMLs initially reside in the database, then are transferred to the Centera (long term data store).</p> <p>Oracle database data is not compressed and data is not encrypted at rest.</p>	
6	Landmark	Provide the volumes of addresses submitted by assessors requiring manual intervention for domestic (anecdotally 10% manual) and non-domestic (anecdotally 40%).	<p>Domestic E&amp;W</p> <ul style="list-style-type: none"> <li>Number of automatic address matches: 434,111</li> <li>Number of manual address matches: 68,915</li> <li>Number of rejected addresses: 12,824</li> </ul> <p>Domestic NI</p> <ul style="list-style-type: none"> <li>Number of automatic address matches: 12,339</li> <li>Number of manual address matches: 2,109</li> <li>Number of rejected addresses: 516</li> </ul> <p>Non Domestic E&amp;W</p> <ul style="list-style-type: none"> <li>Number of automatic address matches: 38,848</li> <li>Number of manual address matches: 22,442</li> <li>Number of Non Domestic sub UPRNs created (i.e. UPRNs with a 0001, 0002, 0003 etc as the last four digits): 11,105</li> <li>Number of rejected addresses: 11,149</li> </ul> <p>Non Domestic NI</p> <ul style="list-style-type: none"> <li>Number of automatic address matches: 935</li> <li>Number of manual address matches: 484</li> <li>Number of Non Domestic sub UPRNs created (i.e. UPRNs with a 0001, 0002, 0003 etc as the last four digits): 178</li> <li>Number of rejected addresses: 192</li> </ul>	Figures represent 6 months to 19/10/2018
7	Landmark	Provide the number of EPC report submissions from assessors that were outright rejected (say, over the last 6 months).	<p>Done.</p> <p>Domestic E&amp;W - 23445</p> <p>Non Domestic E&amp;W - 2366</p> <p>Domestic NI - 804</p> <p>Non Domestic NI - 61</p>	Figures represent 6 months to 13/10/2018
8	Landmark	Provide 'runbook' information (not necessarily scripts!) for the existing EBPR application. For example, these might include daily / weekly / monthly automated (cron) and manual tasks.	<p>Done.</p> <p>Various backup / integrity checks etc are made by the database. There are no other scheduled database jobs. PAF data updates are applied manually to each Register / environment on a quarterly basis to support the addressing services. Met Office Degree Days data is received from the Met Office on a monthly basis and is manually applied to each externally facing Non Domestic Register environment shortly thereafter, for Accreditation Schemes and energy assessors to download and use in OR software for the production of Display Energy Certificates.</p>	Also see response to action 9

9	Landmark	How frequently (or at what point in the workflow) are the EPC XML documents (and other related data items) moved to long term storage?	Done.  Lodgement data is usually stored in the database, and in the primary Centera (long term data store), at the point of lodgement. Overnight jobs copy any lodgement data that didn't make it to the primary Centera from the database at the point of lodgement. Another overnight job checks that data has replicated from the primary to the secondary Centera and if so, removes the data from the database.	
10	Landmark	We discussed inbound interfaces into EBPR. Are there any outbound interfaces, for example to notify schemes of EPC status changes (e.g. via webhooks or similar)?	Done.  There are no outbound interfaces of this nature. Energy certificate status changes are made by the Accreditation Scheme, with the scheme notifying the EPB Register of the relevant energy certificate status, typically following a change of status request to the scheme by an energy assessor.	
11	Landmark	We discussed emails sent to assessors when addresses were identified (or added) by the Landmark address matching team. Are these emails sent manually or are they system-generated? Are there any other system-generated notifications of this type?	Done.  E-mails notifying energy assessors once a UPRN has been generated for a given address are sent automatically by the Register. Similar e-mail notifications are also distributed to energy assessors when a lodgement has been successfully accepted into the EPB Register.	
12	Landmark	What is the transport mechanism for file uploads from schemes into EPBR? For example: FTP, HTTP, Secure FTP, Connect:Direct or similar.	Done.  All incoming and outgoing data is encrypted by HTTPS.	
13	MHCLG	Ensure there is an NDA in place between Valtech and Landmark in order that code assets can be shared.	TODO	Update 31/10 -Signed by Valtech send back to for Completeness
14	MHCLG	Determine frequency of assessor certification renewal.	Low priority	
15	Valtech	Share summarised notes taken during today's session to ensure we have a consistent view.	Done	
16	Landmark	Confirm Oracle solution used by EPB Registers.	The Oracle solution employed is Synchronous Data Guard in Fast-Start failover mode.	
17	Landmark	Provide examples of XML files for each report type for the E&W and NI Domestic / Non Domestic Registers.	Done.	Files provided on 12/10/2018
18	Landmark	Provide documentation describing API interfaces available to Accreditation Schemes.	Done.	Files provided on 14/10/2018

## Sample XML Files

Following are sample XML lodgement request files for:

- England & Wales - Domestic
- England & Wales - Non-domestic
- Northern Ireland - Domestic
- Northern Ireland - Non-domestic

[DEW.zip](#) [NDEW.zip](#) [DNI.zip](#) [NDNI.zip](#)

## Updated Meeting Notes from Landmark

[2018-10-10 - Updated Meeting Notes from Joe Glancy, Landmark.](#)