Ref	Requirement	
	HEADER	
	ICAEW Technical Accreditation Scheme "Effective Interest Rate Calculation" Software Evaluation	
	Whistlebrook WBEIR	
	WBEIR® Whistlebrook Effective Interest Rates	
	Date completed: July 2021	
	© ICAEW. Technical Accreditation Questionnaire v X616	
	CONTENTS	
1	Introduction and Prologue	
2	Issues identified and evaluation conclusion	
	GLOBAL REQUIREMENTS:	
3	Access and Security	
4	Data processing and reporting	
5	Usability	
6	Hosted and SaaS operation (if applicable)	
	SPECIFIC REQUIREMENTS:	
7	Effective Interest Rate calculation functionality	

Ref	Requirement	Response	Reviewer Comments
1.	INTRODUCTION AND PROLOGUE		
Introduction	on		
1.01	The suitability of software for each particular user will always		
	be dependent upon that user's individual requirements.		
	These requirements should therefore always be fully		
	considered before software is acquired. The quality of the		
	software developers or suppliers should also be considered at the onset.		
1.02	Fundamentally, good software should:		
1.02	Be capable of supporting the functions for which it was		
	designed.		
	2. Provide facilities to ensure the completeness, accuracy,		
	confidentiality and continued integrity of these functions.		
	3. Be effectively supported and maintained.		
	It is also desirable that good software should:		
	5. Be easy to learn, understand and operate.		
	5. Make best practical use of available resources.		
	6. Accommodate limited changes to reflect specific user		
	requirements.		
	It is essential, when software is implemented, for appropriate		
	support and training to be available.		
Approach t	to Evaluation		
1.03	The objective is to evaluate a product against a set of criteria		
	developed by the ICAEW to ensure that the software meets		
	the requirements of Good Accounting Software, as laid down		
	in the summary.		
1.04	In order to effectively evaluate the software, a product		
	specialist from the vendor completed the detailed		
	questionnaire and provided it to the ICAEW to examine. The		
	ICAEW's Scheme Technical Manager then reviewed the		
	operation of the various aspects of the software assisted by a		
	member of the vendor's technical staff and checked the answers to confirm their validity. The questions were		
	individually reviewed and commented on and the majority of		
	assessments were confirmed.		
1.05	The Technical Manager discussed the assessment with a		
	member of the vendor's staff in order to clarify any points		
	requiring further information. In the event of disagreement		
	between the supplier and the Technical Manager, the		
	Technical Manager's decision was taken as final and the		
	response changed accordingly.		
1.06	The latest version of the software was used throughout the		
1.07	evaluation.		
1.07	When the evaluation had been completed, a draft copy was sent to the ICAEW Scheme Manager for review before		
	completion of the final report.		
Prologue: I	Watters to consider before purchase		
1.08	General Overview:	Whistlebrook develops all of their own software,	
		in the UK, with major input from their clients. As a	
		result Whistlebrook's applications are specifically	
		built for financial institutions with tailored	
		functionality that benefits their client's efficiency.	
		Whistlebrook regularly enhance their software	
		and introduce new applications following client	
		suggestions, their own on-going analysis, and regulatory changes.	
		regulatory changes.	
1.09	Supplier background:	Whistlebrook has specialised in providing	
		innovative software solutions for the financial	
		services sector since 1997. In that time they have	
		built a very successful portfolio of software	
		applications that can each be installed on their	
		own, or as an integrated suite to deliver extra	
		benefits by holding all key data in one place thus	
		providing a "single source of truth".	

Ref	Requirement	Response	Reviewer Comments
1.10	Product background and suitability for the user:	Whistlebrook's Effective Interest software	
		(WBEIR®) is installed on a centralised server,	
		configured to connect to a SQL Server database.	
		Typically users would have a shortcut on their	
		local PC pointing to the executable. Access can be	
		restricted via Active Directory groups. OLAP Cubes are provided for reporting purposes,	
		which require SQL Server Analysis Services.	
		which require sage server rinarysis services.	
		As a Microsoft Partner, all of Whistlebrook's	
		products are compatible with all current	
		supported versions of MS SQL Server.	
4.44	Add as weathless	Which has a broad do not do not be at	
1.11	Add-on modules:	Whistlebrook provides a wide ranging suite of back office applications targeted at financial	
		institutions. The other applications cover:	
		Regulatory Reporting (WIRES®); Financial	
		Planning (WFP®); Hedge Accounting (WHA®);	
		Asset and Liability Management (WALM®); Funds	
		Transfer Pricing (WFTP); Treasury Management	
		(WTMS®); Financial Ledgers (WBF®). All	
		applications can be installed independently and	
		used in isolation; however the applications all utilise a centralised data warehouse, providing a	
		'single source of truth'.	
1.12	Typical implementation [size]:	The product is targeted at mid-sized financial	
	77	institutions, challenger banks and building	
		societies. However it is scalable to cater for	
		smaller organisations or to handle the demands	
		of larger organisations.	
1.13	Vertical applications:	The product has been designed for the financial	
		services market, primarily banks and building societies.	
1.14	Server flatform and database:	The application allows for implementation on-	
		premise or in the cloud.	
		·	
		<b>Database</b> : The application utilises the Microsoft	
		SQL Server database platform. This includes an	
		relational database, accompanied by a number of	
		Analysis Services business intelligence databases (cubes) to provide analytical reporting and ad hoc	
		data analysis.	
		acca arrangement	
		Server Software: The application is developed on	
		the Microsoft development stack, using the .Net	
		Framework. The server software is provided	
		through a WCF web service, typically deployed to	
		Microsoft Windows web hosting platform running	
		within Microsoft Windows or Windows Server	
1.15	Client specification required:	operating system.  The end user experience is provided through a	
1.13	Silent Specification required.	"thin client" Windows Desktop application,	
		utilising the .Net Framework. It is recommended	
		that client devices are running .Net 4.5.1, on	
		Windows 10 operating system, with at least 4GB	
		RAM.	
1.16	Partner network:	Whistlebrook EIR (and the other applications	
		within the product suite) integrates with many of	
		the core banking platforms available in the UK. As	
		such Whistlebrook has formed a strong working relationship with the providers of these systems	
		to ensure mutual clients can readily utilise the full	
		breath of Whistlebrook applications.	

Ref	Requirement	Posnonso	Reviewer Comments	
2.	· · · · · · · · · · · · · · · · · · ·	Response	Reviewer Comments	
۷.	ISSUES AND CONCLUSION			
Liabliabto	d icassos			
Highlighte	There are a number of limitations in the product, which			
2.01	·			
	while not adversely impacting upon this evaluation may be			
	of importance to some organisations. It is important that any			
	business contemplating the purchase of software reviews			
	the functionality described and limitations therein against its			
	detailed requirements. Attention is drawn in particular to			
	the following areas where the product, on its own, may not			
	be suitable for businesses with certain requirements:			
2.02	The fall and a superior of a science of a sc			
2.02	The following weakness/omissions were identified:			2.00
	SPA is not currently supported. The system does not have an audit trail which records all			3.09
,				3.20-3.24
	changes to transactions as the product is not a transaction			7.20, 7.5
	system and performs calculations on data imported from the			
	source systems.			
	There is full audit trail of imported data. changes to			
	configurations within the system are recorded in the			
	underlying database but no through a user accessible report.			
	k Mith accords to use hills or The contract of a contract			F 04
,	With regards to usability: The system does not support			5.01
	multiple languages, the ability to save user-			5.09
	preferences/searches/favourites, creation of user-defined			5.10
	fields, or the ability to amend the layouts of forms.			5.11
				5.14
1	WBEIR is not suitable for use on a mobile or small tablet due			5.47, 7.1
	the the restrictions of screen size.			
1	There is no inbuilt workflow functionality, but this is not			7.19
	required for the operation of the system. There is a logical			
	flow to operations.			
1	No integrations with third-party finance systems or on-line			7.21, 7.2
	services; although this is not currently needed.			
1	No ability to define delegated access, or set multi-level			7.27, 7.2
	authorisations; although these functions are not currently			
	needed			
2.03	Conclusion			
2.03	For the specific use-cases in support of the calculation of EIR			
	values for the operation of loan products, for which the			
	product is designed, it is a solid and capable solution. It			
	continues to be actively developed and enhanced.			
	Members should be aware of the limitation of the solution as			
Disalaiman	above, and fully understand the role that it can play.			
Disclaimer 2.04	Any organisation considering the purchase of this software			
2.04	should consider their requirements in the light of proposals			
	from the software supplier or its dealers and potential			
	suppliers of other similarly specified products. Whilst the			
	contents of this document are presented in good faith, neither			
	ICAEW, nor the ICAEW's Technical Manager (RSM UK			
	Consulting LLP or any party nominated by the ICAEW to			
	perform this role on the ICAEW's behalf) will accept liability for			
	actions taken as a result of comments made herein. The			
	decision to purchase software resides entirely with the			
	organisation.			

Ref	Requirement	Response	Reviewer Comments
3.	ACCESS AND SECURITY		
Access con			0 ( 10
3.01	What security features are included to control access to the application?	Single sign on user access by authenticated Windows Users. Windows Users must be granted access to the application by the system administrator.	Confirmed. Granular access using AD groups.
3.02	Can access to functions be managed via a permissions matrix so users can only see (in menus and other links) and access those areas they are authorised to access?	Yes	Confirmed
3.03	Is this access to the application managed by: Individual user profiles? - User groups or job roles?	By user groups and profiles	Confirmed
3.04	Can a report be produced detailing all current users, their user groups if relevant, and their authority levels and/or access rights?	No	Noted
3.05	If menus can be tailored does the system limit the display of menu options to those for which permission has been granted for each user?	N/A	-
3.06	Does security allow for access to be limited to: - Read only? - Read/write? - Read/amend/delete?	No	Confirmed
3.07	If data can be accessed by separate reporting facilities, such as ODBC or an external report writer, is the user access security control applied?	application and users can have restrictions applied	Noted
3.08	Does the system security integrate with Microsoft's Active Directory or other tools that provide a single sign-on?	Yes	Confirmed
3.09	Does the system provide 2-factor authentication (2FA)?	No	Noted
Passwords	and access logs		
3.10	Is access to the software controlled by password?	Yes by way of Microsoft Single Sign on	Confirmed
3.11	Does each user have a separate log on (user id)?	Yes	Confirmed
3.12	If there is no password facility please state how confidentiality and accessibility control is maintained within the software?	N/A	-
3.13	Are passwords masked for any user logging in?	Yes in Microsoft Single Sign on	Confirmed
3.14	Is password complexity available and enforced?	Yes	Confirmed - at the Microsoft level
3.15	Are passwords encrypted?  Are users automatically logged off after a pre-set time not using the system?  - Can the time period be changed?  - Can any information be viewed without being logged in, including after logging off, if so what information?	Yes No	Noted Noted
Deletion o	f transactions		
3.17	Is it possible to delete a transaction?	N/A system not managing transactions	Confirmed. Not a transactional system.
3.18	If so, then how are deletions controlled by the system?	N/A	-
3.19	Are deleted transactions retained in the audit trail (see below) and denoted as such?	No	Noted
Audit trail			
3.20	Does the system have an audit trail (log) which records all changes to transactions in the system?	N/A system not managing transactions	Confirmed. Not a transactional system. Changes to the data will be recorded in the underlying database but are not dorectly accessble to the user. There is a full audit trail of imported data.
3.21	Does this log also record any system error messages and/or any security violations?	N/A	-
3.22	Is it possible to turn off or delete the audit trail?	N/A	-
3.23	Does the software allocate a system generated sequential unique reference number to each transaction in the audit log, date and time stamp it and record the user id?	N/A	-
3.24	Are all master file changes recorded in the audit trail?	N/A	-
Compliano	e		

Ref	Requirement	Response	Reviewer Comments
3.25	Does the system operate in a way that is compliant with data protection legislation including GDPR? How does the system facilitate this?	N/A	Noted. By default personal data is not recorded within the system. However, Whistlebrook cited an example where a customer import loan agreements where the borrowers' name was part of the agreement name.
3.26	Describe your use of sub-processors if any?	N/A	-
Backup an	d recovery		
3.27	Is there a clear indication in the software or manuals as to how the data is backed-up and recovered?	N/A as managed by organisations policies	Noted. Up to the customer.
3.28	How often are backups taken and to what point can restores be done?	N/A as managed by organisations policies	Noted. Up to the customer.
3.29	How does the software facilitate recovery procedures in the event of software failure? (E.g. roll back to the last completed transaction).	N/A as managed by organisations policies	-
3.30	If software failure occurs part way through a batch or transaction, will the operator have to re-input the batch or only the transaction being input at the time of the failure?	N/A no batches	-
3.31	What features are available within the software to help track down processing problems?	Log on screen when assessments are processed	Confirmed. There is a processing log that shows on-screen each part of the process (and account number) and the status at completion.

Ref	Requirement	Response	Reviewer Comments
4.	DATA PROCESSING AND REPORTING	- Hesponse	neviewer comments
Input and	validation of transactions		
4.01	Is data input controlled by self-explanatory menu options?	Yes	Confirmed
4.02	Are these menus user/role-specific?	No	Confirmed
4.03	Can the creation or amendment of standing data (e.g.	Yes	Confirmed
	customer account details) be undertaken using menu options		
	or dialogue boxes as opposed to requiring system configuration?		
4.04	Does the software provide input validation checks such as:	Yes	Confirmed
4.04	- [account] code validation?		Committee
	- reasonableness limits?		
	- validity checks?		
4.05	What control features are within the software to ensure	Screens have field data validation and if data	Confirmed
	completeness and accuracy of data input?	input is incomplete the monthly assessment will	
		fail with error messages	
4.06	How does the software ensure uniqueness of the input	Dependent on source system data imported	Noted
4.07	transactions? (i.e. to avoid duplicate transactions)	Voc	Natad
4.07	Is data input by users validated by scripts or routines in the browser, or other client software, before transmission to the	Yes	Noted
	server?		
4.08	Is data input by users validated by routines running on the	Data imported and vaildated from source systems	Confirmed. An import
	server before data files are updated?		console carries out som
	·		validations.
4.09	Does the above validation ensure that data entered in all	Yes	Confirmed
	input boxes:		
	- Cannot be longer than a maximum length?		
	- Cannot contain unaccepted characters such as semi-colons		
	etc?		
4.10	Are responses to erroneous data input clear so that they do	Yes	Confirmed. There is a
	not lead to inappropriate actions?		focus on the use of drop
			down menus. There are detailed tool-tips to
			provide help too.
			provide help too.
4.11	Does the software have an automatic facility to	No	Confirmed
	correct/reverse/delete transactions?		
4.12	If yes, are these logged in the audit trail?	No	Confirmed
4.13	Are all data entries or file insertions and updates controlled to		Noted
	ensure that should part of a data entry fail the whole	data import	
4.14	transaction fails?	Voc	Camfinanad
4.14	Are messages provided to users clearly explaining whether the data entry or file upload has been processed successfully or	res	Confirmed
	not?		
Import an	d export of data		
4.15	Can files/attachments be uploaded and stored against any	N/A no transactions	Confirmed. Not a
	transaction?		transactional system.
4.16	Is there an additional charge made for storage of uploaded	N/A	-
	files?		
	- If yes, please indicate the cost.		
4.17	Can data be imported into the system from multiple types of	Only from CSV	Confirmed. Comes into
	files, e.g. XLS, text, CSV?		the Import Console by
4.18	Explain how the system validates imports into the system and	Validated in reference to static data, if fails rolled	way of CSV. Noted
+.10	what happens to any import which fails?	back and error messages provided	INDIEU
4.19		Yes in import log	Noted. Full audit trail of
-	Are imported /interfaced transactions detailed in the audit		all imports visible via the
	trail? [See also 3.27]		Import Console.
4.20	Can data be exported from all areas of the system to multiple	No export only OLAP cubes	Noted. The entire
	formats e.g. XLS, CSV, PDF, text; if so specify which formats are		assessment statement
_	supported?		can be copied to Excel.
Data proc		v	6 6
4.21		Yes	Confirmed
	executed in the correct sequence (e.g. outstanding		
	transactions are processed before month end is run)?  Does the software provide automatic recalculation, where	N/A	_
/1 ) )	boes the software provide automatic recalculation, where		
4.22	appropriate, of data input? (e g VAT)		
	appropriate, of data input? (e.g. VAT)  Is a month/period-end routine required to be undertaken?	Yes	Confirmed
4.22 4.23 4.24	appropriate, of data input? (e.g. VAT)  Is a month/period-end routine required to be undertaken?  Is it possible to delete accounts if the balance if Nil but	Yes N/A	Confirmed

Ref	Requirement	Response	Reviewer Comments
4.25	What is the size and format of reference numbers and descriptions within: Ledgers? - Stock? - Currencies?	N/A	-
4.26	How does the software guard against/warn about duplicate account numbers on set up?	Account numbers come from source system	Noted
4.27	How does the software enable the traceability [from, to and through the accounting records] of any source document or interfaced transaction?	N/A	Noted. Full audit trail of all imports visible via the Import Console.
4.28	What drill down/around functionality is available within the software?	Account level data	Confirmed. Three level heirarchy is supported; see 7.08
4.29	If the software uses a lot of standing information which changes frequently or regularly, does the software allow for such changes to be effected through the use of parameters or tables?	Standing Data does not change frequently	Noted
Report wr	iter		
4.30	Does the system have an in-built report generator or is a third-party solution used (if so please specify)?	Provide OLAP cubes with freedom to choose reporting tool of choice	Confirmed. Can connect directly to the OLAP cube from the report writer (or can use Excel PivotTables).
4.31	Is the report writer based on a standard SQL-type approach and is it flexible and easy to use?	Provide OLAP cubes with freedom to choose reporting tool of choice	As above
4.32	Can the report generator operate over the financial and operational aspects of the system, e.g. combining service metrics with financial information?	Provide OLAP cubes with freedom to choose reporting tool of choice	N/A
4.33	Is a comprehensive data dictionary provided to aid field selection?	Provide OLAP cubes with freedom to choose reporting tool of choice	Confirmed; all in the cubes and associated documentation.
4.34	Does the system provide a library of reports and templates which can be amended, saved and re-run?	Provide OLAP cubes with freedom to choose reporting tool of choice	Confirmed. Standard cubes provided.
4.35	Can users create their own reports? If so, what are the controls on users doing this?	Provide OLAP cubes with freedom to choose reporting tool of choice	Confirmed
4.36	Can users create saved searches /filters / queries?	Provide OLAP cubes with freedom to choose reporting tool of choice	Confirmed
4.37	Can regular reports be added to user menus in the appropriate area of the system?	Provide OLAP cubes with freedom to choose reporting tool of choice	Adding reports to menus is not supported.
4.38	Does the system support the production of on demand (interactive) and scheduled batch reports?	Provide OLAP cubes with freedom to choose reporting tool of choice	Noted. There is a cube- scheduler to set when these are generated.

5.	Requirement	Response	Reviewer Comments
	USABILITY		
Ease of us			
5.01	Does the solution provide a multi-language user interface?	No	Noted
5.02	Does the system allow for customizable branding and UI (e.g.	Customisable colours but not corporate logo or	Noted
	corporate colour palate, upload company logo, etc)?	branding	
5.03	Does the system have a similar look and feel and overall and	Yes	Confirmed
	consistency between screens and modules?		
5.04	Is data entry easily repeated if similar to previous entry?	Yes	Confirmed
5.05	Does the software prevent access to a record while it is being	Yes	Noted
	updated?		
5.06	Is there locking at file or record level?	Normal SQL locking rules.	Noted
5.07	Does the software allow for the running of reports whilst	Yes. Reports are run on the cubes.	Confirmed
F 00	records are being updated?	N <del>-</del> 1	0 0 1 1 1
5.08	Can timestamps or user comments be added to transactions?	No. There are timestamps in the assessments and	
F 00		within the import processing.	transactional system. Confirmed
5.09	Is there the ability to store preferences and default values on	No	Confirmed
- I 10	a per-user basis. e.g. department/team/user?	NI.	Cfi
5.10	Does the system have the ability to provide user-defined fields with associated validation of data input?	NO	Confirmed
Г 11	'	No	Canfirmed Nate
5.11	, , , , , , , , , , , , , , , , , , , ,	No	Confirmed. Not a
	e.g. workflows?		workflow based system
E 12	If the system provides worldlows does it have functionality to	N/A	
5.12	If the system provides workflows, does it have functionality to	N/A	-
E 12	substitute/delegate authorisations?	Yes by means of an OLAP cube	Noted. Not really
5.13	Is there the ability for users to define and configure layouts of letters and forms?	res by means of an OLAP cube	generating these.
5.14	Can users save the parameters of searches?	No	Noted
5.15	Does the system have a "universal search" option, allowing a	N/A	Confirmed
3.13	search to be undertaken over all modules of the system?	N/A	Commined
5.16	Can the system store menu option 'favourites' on a per user	No	Confirmed
3.10	basis?	NO	Commined
5.17	Can a user open multiple windows accessing the same or	Yes	Confirmed
3.17	different modules of the system?	163	Committee
5.18	Can more than one software function be performed	Yes	Confirmed
0.20	concurrently?		
User docu	mentation and training		
5.19	Is the manual provided as:	By download from secure customer portal	Confirmed. The manual
	- hard copy	,	is very detailed.
	- on CD		•
	- by download		
	- via a web-interface?		
5.20	Does the manual include:	Yes fully comprehensive covering all aspects with	Confirmed. The manual
	- An index or search facility?	screenshots & examples	is very detailed.
	- A guide to basic functions of the software?	·	•
	- Pictures of screens and layouts?		
	- Examples?		
	- A tutorial section?		
	- Details of any error messages and their meanings?		
5.21	Is context-sensitive help available within the system?	Yes	Confirmed; this is
			everywhere and is
			comprehensive.
5.22	Is the manual and/or help editable by the user (subject to the	It can be provided in a word format.	Noted
	permissions matrix)?		
5.23	Will the Software House make the detailed program	Yes	Confirmed
	documentation (e.g. file definitions for third party links)		
	available to the user, either directly or by deposit with a third		
	party (ESCROW)?		
5.24	Please detail the training options available?	Training is provided in person or via Teams both	Noted
		to end-users and technical IT staff	
	Who provides training:	Software house	Noted
5.25	- Software House?		
5.25	- Sultware nouse:		
5.25	- VAR?		
	- VAR?	Direct	Noted
Support a	- VAR? nd maintenance	Direct	Noted
Support a	- VAR?  nd maintenance  How is the software sold:	Direct	Noted
Support a	- VAR?  nd maintenance  How is the software sold: - Direct from the software house?	Direct	Noted Noted
Support ai 5.26	- VAR?  nd maintenance  How is the software sold:  - Direct from the software house?  - Via a Value Added Reseller (VAR) or Integrator?		
Support ai 5.26	- VAR?  nd maintenance  How is the software sold: - Direct from the software house? - Via a Value Added Reseller (VAR) or Integrator?  How is the product supported:		

Ref	Requirement	Response	Reviewer Comments
5.29	Is the software sold based upon number of named users or a	Net asset size of loan book	Noted
	number of concurrent users?		
5.30	The supplier should detail the support cover options available,	9.00 to 5:30 Monday to Friday excluding UK Bank	Noted
	covering:	Holidays. The software is only provided and	
	- The hours provided?	supported within the United Kingdom. The cost is	
	- Associated costs?	20% of the term licence fee charged annually in	
	- The global regions covered?	advance.	
5.31	Detail the process by which customers raise support requests	There is a SLA for software faults. These can be	Noted
	and how these can be viewed/managed?	raised by telephone or email and are logged	
		within the fault logging system.	
5.32	Please note the methods of support available:	Telephone, email, conversations by way of Teams	Noted
	- Telephone?	and as required remote desktop access.	
	- Internet chat?		
	- Remote access to customer workstation?		
	- Other, please specify?		
5.33	Do you offer service credits for failure to meet performance	N/A	-
	around SLA and uptime (if applicable)		
5.34	What is your escalation path for tickets which have not been	Tickets are subject to regular internal review and	Noted
	resolved within a reasonable time?	escalation	
5.35	How often are general software enhancements provided?	Typically twice per annum but no more	Noted
		frequently than quarterly	
5.36	Will they be given free of charge?	Yes	Noted, provided support
	, ,		is taken.
5.37	How are enhancements and bug fixes provided to customers?	Available by way of download from the customer	
		secure portal	
5.38	Is "hot line" support to assist with immediate problem solving	Yes	Noted
	available?		
5.39	If so, is there an additional cost involved?	No	Noted
5.40	At what times will this support be available?	9.00 to 5:30	Noted
ntegratio	n and www facilities		
5.41	Can the software be linked to other packages e.g. word	Yes three OLAP cubes are provided that can be	Confirmed
	processing, graphics, financial modelling, to provide	queried by tools such as Excel and Power BI.	
	alternative display and reporting facilities?		
5.42	Can definable links to spreadsheets be created?	Via the cubes	Confirmed
5.43	Does the system provide secure document storage capability:	N/A	-
	If so, please give examples of the document types saved and		
	what transactions these might relate to.		
5.44	Can documents be scanned into a secure repository?	N/A	-
5.45	Does the system provide data migration tools for transactional	-	Confirmed
	and master data sets (e.g. employees customers, suppliers,	,	
	journals, invoices).		
5.46	What connection mechanisms does the software have and	Data is imported to the product by way of the	Confirmed
	what breadth of functionality in terms of:	Whistlebrook import console which can receive	
	- operations (add, update, delete)? and	data in a multiplicty of formats but in the defined	
	- what transactions/data it can access?	data schema layout	
	E.g. if webservices APIs available, then can customers connect		
	to whatever software they wish?		
5.47	Does the system support mobile working?	Desktop application	Confirmed. No practical
	, , , , , , , , , , , , , , , , , , , ,		mobile support.

		****	
Ref	Requirement	Response	Reviewer Comments
6.	SAAS/HOSTED OPERATION		
	This evaluation covers the system but not the method by		
	which it is delivered and/or contracted for. Potential users		
	need to satisfy themselves on the security and disaster		
	recovery aspects and licensing of the online system and any		
	data protection issues of their own and customer/supplier		
	information, contained therein, being held on the system, as		
	well as the return of the data when the contract expires or is		
	terminated.		
	es and customer data		
6.01	Whose data centres are used and where are these located:	Whistlebrook will introduce a number of third	Noted
	- If hosted where data centre controlled by a third-party?	party hosting providers but does not currently	
	- If SaaS where the software vendor will be in control?	provide Cloud hosting of this system directly.	
6.02	Does the customer get a choice of the jurisdiction in which	N/A	
6.02	their data resides?	21/2	
6.03	What certification(s) do you or your platform operators hold	N/A	
	relating to your data centres and your business operations?		
6.04	Do you or your platform apprator have an SSAE16 (Suctain	NI/A	
6.04	Do you or your platform operator have an SSAE16 (System	N/A	
6.05	and Organization Controls) report available? What are the physical controls over the:-	N/A	
0.05		IN/A	
	- Premises? - Fileservers?		
	- Fileservers? - Communications equipment?		
6.06		NI/A	
6.06	Is the space in this/these data centre(s) shared with any other companies?	N/ C	
6.07	Is data for different customers/companies kept:-	N/A	
0.07	- On separate servers?	IV/A	
	- In different databases?		
	- In separate database tables?		
	- In a database with data for other customers and companies		
	using logical security to partition customers' data?		
	using logical security to partition customers data:		
6.08	How is it ensured that data for different customers and	N/A	
0.00	companies is reliably identifiable and only accessed by		
	authorised users for each customer/company?		
6.09	What controls are in place to prevent users from one	N/A	
	customer/company accessing data from another	,	
	customer/company by accident or by design?		
6.10	How is [Internet] communication traffic monitored to identify	N/A	
	potential problems before they happen:		
	- From a performance perspective?		
	- From a security standpoint?		
6.11	What procedures are in place to prevent a break in Internet	N/A	
	Connection (at the server, client or in between) from causing		
	data corruption?		
6.12	Are communications between the user's computer and the	N/A	
	software service encrypted:		
	- User log in data only?		
	- All data exchanged between user client and software		
	service?		
6.13	Is data on your servers encrypted at rest?	N/A	
6.14	Is a test environment provided to test configuration changes?	N/A	
	If so, is there an additional charge for this?		
	customer data		
6.15	What are the implications of the Data Protection Act over	N/A	
	information held by the hosting service provider, and how		
	does the vendor mitigate these?		
6.16	Are you subject to any legal or regulatory requirements	N/A	
	obliging you to retain a copy of customer data?		
6.17	Who will be able to access or see customer data?	N/A	
6.18	Explain the procedures to prevent unauthorised access from	N/A	
	staff, or contractors, working for the service provider or any		
	other people with access to the service provider's internal		
	systems.	21/2	
6.19	Explain the release management procedures in place and the	N/A	
	associated segregation of duties ?		

		····	
Ref	Requirement	Response	Reviewer Comments
6.20	Is there sufficient segregation of duties preventing system	N/A	
0.20			
	developers from accessing and changing live applications and		
	data files?		
6.21	Explain the review and approval procedures covering system	N/A	
	operations staff when emergency changes need to be made to		
	live applications and data?		
6.22	Is an audit trail always maintained of these emergency	N/A	
0.22		IN/A	
	changes?		
6.23	What procedures are in place when members of staff leave to	N/A	
	ensure that their system access is stopped?		
Platform a	nd service levels		
		NI/A	
6.24	Which databases can be used (Hosted) or are used (SaaS)?	N/A	
6.25	What forms of user authentication are supported e.g. user	N/A	
	names, passwords certificates, tokens etc.?		
6.26	What is the proposed product/service availability percentage?	N/A	
		,	
6.27	Wile A community of the little bank of the latest and a complete community of the latest and the	AL / A	
6.27	What percentage availability has been achieved over the past	N/A	
	12 months?		
6.28	Is a service level agreement ("SLA") offered regarding:	N/A	
	- Service availability?		
	- Data recovery?		
C 20	·	NI/A	
6.29	Is the service available 24x7 or are there downtime periods for	IN/A	
	maintenance?		
6.30	Is the customer made aware of maintenance periods in	N/A	
	advance?		
6.31	Does the application software:-	N/A	
0.51		IN/A	
	- Require any client software to be installed on the user's		
	computer?		
	- Work entirely within Internet Browser software on the user's		
	computer?		
6 22	·	NI/A	
6.32	Where the product/service relies upon downloading and	N/A	
	running an executable program, has that program been		
	secured with a digital certificate to verify the source and		
	integrity of the program?		
Platform se			
	•	NI/A	
6.33	What security steps are taken to prevent and detect intrusion	N/A	
	attempts?		
6.34	Is firewall hardware and software used to protect the live	N/A	
	systems from unauthorised access?		
6.35	Which monitoring software is used to create alerts when	N/A	
0.55			
	intrusion attempts are suspected?		
6.36	Are designated staff responsible for receiving and urgently	N/A	
	responding to these alerts?		
6.37	Have clear procedures been established for identifying and	N/A	
	responding to security incidents?	,	
C 20		NI/A	
6.38	Is all security sensitive software, such as operating systems	N/A	
	and databases, kept up to date with the latest software		
	patches? Please indicate how regularly updates are applied.		
6.39	List the procedures and software tools in place to prevent or	N/A	
0.35		IN PA	
	detect and eliminate interference from malicious code, such		
	as viruses?		
6.40	Is a system log maintained by the service provider that details	N/A	
	- User access?		
	- User activity?		
	- Error messages?		
	- Security violations?		
6.41	Is this log available to the customer?	N/A	
6.42	Have there been any successful unauthorised access attempts	•	
0.42			
	been made during the last year?		
	If Yes:-		
	- What was the effect on the business and users?		
	- What steps are in place to prevent this happening again?		
6.43		NI/A	
6.43	Is penetration testing regularly carried out by (please indicate	IN/ A	
	frequency of tests):		
	- Staff specialising in this field?		
	- External specialists?		
6.44	If penetration testing by a specialist is not performed	N/A	
0.44			
	regularly, please indicate the main procedures in place to		
	identify weaknesses?		

		****	
Ref	Requirement	Response	Reviewer Comments
6.45	Are security procedures regularly reviewed? Please indicate	N/A	
	frequency of reviews.		
6.46	What security reporting is provided demonstrating	N/A	
00	compliance against certification(s) and policy(ies)?	.47.	
6.47	Are any security breaches communicated to customers?	N/A	
		IV/A	
-	y the service provider	NI/A	
6.48	In relation to backups undertaken by the system provider	N/A	
	please explain:		
	- How is a customer's data backed up?		
	- How often is this undertaken?		
	- What is backed up?		
	- What's the media used?		
	- Where are backups stored?		
	- How many copies are there?		
	- How long are they retained for?		
	- Who has access to them?		
	- Is the data encrypted?		
C 40	**	NI/A	
6.49	How frequently is a test-restore of backups undertaken?	N/A	
6.50	Can the provider restore from a backups that it has taken at a	N/A	
	customer request?		
6.51	Does a customer have the ability to undertake their own	Yes	Noted. Customer can
	backups?		backup their own local
			instance and data using
			their own backup
			software.
6.52	If so, can a customer restore data a backup that they have	Yes	As 6.51
0.32	taken?		7.5 0.51
Platform r			
6.53	What contingency plans are in place to enable a quick	N/A	
0.55		N/A	
	recovery from:		
	- Database or application software corruption?		
	- Hardware failure or theft?		
	- Fire, flood and other disasters?		
	- Communication failures?		
6.54	How often are these plans tested?	N/A	
6.55	How often are these plans reviewed and updated?	N/A	
6.56	What are your:	N/A	
	- Recovery Point Object (RPO) standards?	,	
	- Recovery Time Objective (RTO) minimum standards?		
6.57	If transaction records are dated and time stamped are the	N/A	
0.57	·	IN/A	
	times used local to the user or based on where the server is		
	located?		
6.58	What protection is in place to enable users to able to access	N/A	
	their accounting and other data if the service provider should		
	experience serious difficulties, cease trading or decide to stop		
	providing the service?		
6.59	If the system is hosted are there arrangements in place for	N/A	
	this third party to continue providing a hosting service in the		
	short term to allow time for customers to negotiate their own		
	arrangements?		
	If so, how long does the arrangement allow?		
6 60		N/A	
6.60	Are there any individual members of the vendor's staff whose	IV/A	
	leaving or illness would significantly reduce, or even stop, the		
	service provider's ability to provide a full and reliable service		
	to customers?		
	hange management		
6.61	Describe your approach to upgrades including what option	Typically customers are not compelled to take an	Noted
	customers have not to take upgrades (if any)?	upgrade	
6.62	Are users able to test the application before new versions go	Yes	Noted
	into live use?		
6.63	Are users given notice before application changes are applied	N/A	
	to the live system?		
6.64	Are changes delivered into the live environment "switched	N/A	
	off" to enable users to test them before enabling them for		
	their environment?		
6.65	Describe what testing and QA processes are undertaken	N/A	
	before upgrades and other changes are made live/available to		
	customers?		
6.66	If a hosted system, explain the release management	N/A	
0.00	_	IV/O	
	procedures in place and the associated segregation of duties?		

irement users informed when they next login of the application uses that have gone into live use? ustomer staff have to take any action (e.g. regression use) when new editions, patches or upgrades are used? please describe what they should ordinarily do. users use	Response N/A Yes. Customers should undertake their own UAT.	Reviewer Comments  Noted
ges that have gone into live use? ustomer staff have to take any action (e.g. regression ng) when new editions, patches or upgrades are sed? please describe what they should ordinarily do. ions t is the minimum level of commitment must the customer up to, e.g. 36 months?	Yes. Customers should undertake their own UAT.	Noted
ustomer staff have to take any action (e.g. regression neg) when new editions, patches or upgrades are sed? please describe what they should ordinarily do. ions tis the minimum level of commitment must the customer up to, e.g. 36 months?		Noted
ng) when new editions, patches or upgrades are sed? please describe what they should ordinarily do. ions t is the minimum level of commitment must the customer up to, e.g. 36 months?		Noted
sed? please describe what they should ordinarily do. ions t is the minimum level of commitment must the customer up to, e.g. 36 months?		
please describe what they should ordinarily do. ions : is the minimum level of commitment must the customer up to, e.g. 36 months?		
ions t is the minimum level of commitment must the customer up to, e.g. 36 months?		
is the minimum level of commitment must the customer up to, e.g. 36 months?		
is the minimum level of commitment must the customer up to, e.g. 36 months?	n a:	
up to, e.g. 36 months?	Minimum 3 year term licence	Noted
· · ·	,	
re online payment is used, what type of security is used	N/A	-
otect sensitive information?	,	
re online subscription / payment is used, is an invoice	N/A	-
ded to the customer and, if so, in what format?	,	
	The Whistlebrook business development	Noted
•	-	
re a procedure for late renewal and is there a time limit		-
	N/A	-
·	N/A	_
·	.,,.	
	N/Δ	_
<del>-</del>	IN C	-
	The application must be deleted at the conclusion	Noted
		Noteu
		Natad The data belows
	IN/A	Noted. The data belong
		to the customer.
	N/A	-
<u> </u>	The customer may use third next as a still a	Confirmed
		Comminea
Lations of is separate reporting software used?	of their choice to access the OLAP cubes	
any application software (i.e. ather there a with the	Donondo on third nauto annihantian anti-stari	Confirmed
	Depends on unita party application selected	Confirmed
•		
	NI/A	Noted Nathus
• •	N/A	Noted. Not browser
		based.
	Depends on Customers deployment model	Noted
• • • • • • • • • • • • • • • • • • • •		
	N/A	Noted; e.g. depends on
		whether the reporting
opriate authority?		tool supports SSO.
nat electronic formats are reports produced:-	Depends	Noted. Customers can
?		use any BI tool of their
?		choice to link to the
Excel spreadsheet?		OLAP cubes (e.g.
file?		Microsoft PowerBI).
ntml for viewing in a web browser?		Reporting facilities will
er, please specify?		depend on the tool
		chosen.
	Depends	See 6.85
eport documents stored on the web server or on the		
eport documents stored on the web server or on the scomputer?		
•		
s computer?		
computer? red on the web server, are they secure to ensure only	Depends	See 6.85
s computer? red on the web server, are they secure to ensure only with appropriate authority can get access?	Depends	See 6.85
s computer? red on the web server, are they secure to ensure only with appropriate authority can get access? ocuments viewable in a browser is any data stored on	Depends	See 6.85
s computer? red on the web server, are they secure to ensure only with appropriate authority can get access? ocuments viewable in a browser is any data stored on ser's computer in a web browser cache or temporary	Depends	See 6.85
red on the web server, are they secure to ensure only with appropriate authority can get access?  ocuments viewable in a browser is any data stored on ser's computer in a web browser cache or temporary of Yes:	Depends	See 6.85
s computer? red on the web server, are they secure to ensure only with appropriate authority can get access? ocuments viewable in a browser is any data stored on ser's computer in a web browser cache or temporary if Yes: here any protection against other users viewing the tor data on which it is based?	Depends	See 6.85
red on the web server, are they secure to ensure only with appropriate authority can get access?  ocuments viewable in a browser is any data stored on ser's computer in a web browser cache or temporary of Yes:  here any protection against other users viewing the	Depends	See 6.85
n W Y S C t or h - Y Y e t e c ii t l c o e c ii t d T m e c ii c a c ii t l c ii c a c ii c l c e c	is subscriptions need to be renewed, what advance notice vided and what is the time limit for renewal?  If a procedure for late renewal and is there a time limit which subscriptions cannot be renewed?  If a procedure for late renewal and is there a time limit which subscriptions cannot be renewed?  If a procedure for late renewal and is there a time limit which subscriptions cannot be renewed?  If a procedure for late renewal and is there a time limit which subscriptions cannot be renewed?  If a procedure for late renewal and is there a time limit which subscriptions cannot be used?  If a procedure subscriptions are provided to the mer regarding subscriptions and payments?  If a cannot regarding subscriptions and payments?  If a cannot read to a cacess their accounting and data if:  If a cannot read to a cacess their accounting and data if:  If a cannot read to a cacess their accounting and data if:  If a cannot read to a cacess their accounting and data if:  If a cannot read to a cacess their accounting and data controlled by the procedures as access to the main application?  If a procedures as access to the main application?  If a procedures as access to the main application?  If a procedures as access to the main application?  If a procedures as access to the main application?  If a procedures as access to the main application?  If a procedures as access to the main application?  If a procedures as access to the main application?  If a cache read to a caces reports produced:  If a cache read to a caces reports produced:  If a cache read to a caces reports produced:  If a cache read to a caces reports produced:  If a cache read to a caces reports produced:  If a cache read is a caces reports produced:  If a cache read is a cache reports produced:  If a cache read is a cache reports produced:  If a cache read is a cache reports produced:  If a cache read is a cache reports produced:  If a cache read is a cache reports produced:  If a cache read is a cache reports produced:  If a cache read is a cache report re	subscriptions need to be renewed, what advance notice vided and what is the time limit for renewal?  re a procedure for late renewal and is there a time limit which subscriptions cannot be renewed?  re a procedure for late renewal and is there a time limit which subscriptions cannot be renewed?  roon after creating or renewing a subscription (if able) can the system / service be used?  notifications / confirmations are provided to the mer regarding subscriptions and payments?  not at extent are users able to access their accounting and data if:  rmiss one or two payments?  re end of the contract term, how long does a customer to obtain a copy of their data from you?  re end of the contract term, how is a customer's data yeld (if appropriate) and will that destruction be ed?  is your processes regarding disposal of end-of-life and hardware devices that were used to operate your e?  orting  reports produced from the same software as the financial actions or is separate reporting software used?  any application software (i.e. other than a web browser F reader) need to be installed on the user's computer in to prepare or view the reports?  browser versions are support:  lesktop/laptop (PC, Mac, Linux)?  ablets?  sobiles?  so the reporting facilities and data controlled by the procedures as access to the main application?  different, explain the user access control facilities ble to ensure information is only viewed by users with priate authority?  at electronic formats are reports produced:-  ?  cxcel spreadsheet?  file?

Ref	Requirement	Response	Reviewer Comments
6.88	Are communications between the browser and the server encrypted for any report related communications?	Depends	See 6.85
6.89	If reports are produced dynamically each time the user views them can historical reports be reproduced at any time?	Depends	See 6.85
6.90	Can reports viewable in a browser be navigated dynamically by users? For example: - Enabling drill down to more detailed information? - Altering which columns and rows of data are displayed Choosing time periods? - Specifying selection criteria?	Depends	See 6.85
6.91	Can report data be reliably copied and pasted direct from browser viewable reports to an MS Excel spreadsheet retaining any table layout?	Depends	See 6.85
6.92	If reports are incomplete, for instance due to a poor Internet connection, is sufficient information provided to enable the user to notice that some of the report is missing?	Depends	See 6.85
	user to notice that some of the report is missing?		

details of the firm using the software and valid users within	omments	
Confirmed		
Confirmed		
Does the system facilitate the setup and maintenance of the drift frin?		
details of the firm using the software and valid users within that firm?  If so, can mandatory fields be set?  7.02 Does the system make use of global lists, e.g. Postcodes, VAT codes, market codes, fee codes?  17.02 Does the system make use of global lists, e.g. Postcodes, VAT codes, market codes, fee codes?  17.03 Does the system contain an inbuilt financial calendar? 18.01 Lists be system contain a list of historical interest rate changes? 18.02 If so:  18.02 If so:  18.02 A so the system contain a list of historical interest rate changes? 18.02 If so:  18.03 Lists be system contain a list of historical interest rate changes? 18.04 If so:  18.05 List the types of rates are held?  18.06 If so:  18.06 If so:  18.07 Can interest rate changes be updated automatically from a specialist third-party service?  18.06 If so:  18.07 Can interest rate changes be updated automatically from a specialist third-party service?  18.06 If so:  18.07 Can rates subsequently be manually changed by a user, subject to the permissions matrix?  18.08 List the types supported, e.g. Mortgage, loans, asset finance, bridging, etc  18.09 Does the system hold a library of types of loan-account products?  18.00 Expess supported, e.g. Mortgage, loans, asset finance, bridging, etc  18.00 Does the system movide for a product hierarchy?  18.02 Expess supported, e.g. Mortgage, loans, asset finance, bridging, etc  18.00 Does the system movide for a product hierarchy?  18.02 Expess supported, e.g. Mortgage, loans, asset finance, bridging, etc  18.00 Does the system movide for a product hierarchy?  18.02 Expess supported and part troe of the area regarded for instance in relation to an offset mortgage. Configuration within the product part that are negative for instance in relation to an offset mortgage. Configuration within the product part that are negative for instance in relation to an offset mortgage. Configuration within the product part that are negative for instance in relation to an offset mortgage. Configuration within the product		
codes, market codes, fee codes? If so, specify what is provided.  7.03 Does the system contain an inbuilt financial calendar? If so can this be manually overridden?  7.04 Does the system contain a list of historical interest rate changes? If so:  - What types of rates are held? - How far back/forwards does the calendar span?  7.05 Can interest rate changes be updated automatically from a specialist third-party service?  7.06 If so:  - State which service is used? - Can rates subsequently be manually changed by a user, subject to the permissions matrix? - Is there an audit trail of all changes to rates?  7.06 Does the system hold a library of types of loan-account products permission. If so, list the types supported, e.g. Mortgage, loans, asset finance, bridging, etc  7.08 Does the system provide for a product hierarchy? If so, explain what is provided, e.g. Products, product subgroup, product group.  7.09 Does the system provide for a product hierarchy? If so, explain what is provided, e.g. Products, product subgroup, product group.  7.09 If a hierarchy is supported can account/product-based parameters be set at subgroup and group level as well as product level?  7.10 What Eli-Rrelated parameters can be set against a product increase.  7.10 What Eli-Rrelated parameters can be set against a product level?  7.11 What additional Eli-Related parameters?  - Repayment policy? - Capital and interest rate parameters? - Date whey sten alive of the product started? - Early Redemption Change processing parameters (IFRS))? - Capital and interest adjustments? - Configuration and period with a rate change.  7.11 Overides to the fee float configuration can be set loans the amount of monthly repayment to an only the feet of the product payment can be configured. As well as whether for repayment can be configured. As well as whether for repayment can be configured. As well as whether for repayment can be con	customer details are held apart from any loanbook details.	
If so can this be manually overridden?   Confirmed changes?   If so:   What types of rates are held?   How far back/forwards does the calendar span?   Confirmed specialist third-party service?   If so:		
changes? If so: - What types of rates are held? - How far back/forwards does the calendar span? 7.05 - Can interest rate changes be updated automatically from a specialist third-party service?  7.06 - If so: - State which service is used? - Can rates subsequently be manually changed by a user, subject to the permissions matrix? - Is there an audit trail of all changes to rates?  7.07 - Obes the system hold a library of types of loan-account products? - If so, list the types supported, e.g. Mortgage, loans, asset finance, bridging, etc  7.08 - Does the system provide for a product hierarchy? - If so, explain what is provided, e.g. Products, product subgroup, product group, - Product group, - Product group, - Product group, - Toduct group, product group, - Product group, - Product group, - Product group, product group, - Product group, product group, - Product		
Interest rates are product specific and configured by the lender in accordance with product requirements.		
7.06 If so: - State which service is used? - Can rates subsequently be manually changed by a user, subject to the permissions matrix? - Is there an audit trail of all changes to rates?  Account/product types:  7.07 Does the system hold all brany of types of loan-account products? If so, list the types supported, e.g. Mortgage, loans, asset finance, bridging, etc  7.08 Does the system provide for a product hierarchy? If so, explain what is provided, e.g. Products, product subgroup, product group.  7.09 If a hierarchy is supported can account/product-based parameters be set at sub-group and group level as well as product level?  7.10 What EiR-related parameters can be set against a product: (product-specific parameters) - Ree, fee-type, calculation types, amortisation flag? - Rate change frequency? - Capfilour rates? - Date when special-terms end? - Date when the contractual rate changes? - Repayment types? - Other attributes and interest rate parameters? Please state what is supported.  7.11 What additional EiR-related parameters can be set: (non product-specific EiR configuration parameters) - Interest Charging policy? - Amortisation profile? - Days fees to include before the product started? - Early Redemption Charge processing parameters (IFRS9)? - Capital and interest adjustments? - Other parameters? Please state what is supported.  7.12 Does the system allow "overrides" to be set, e.g. Setting a  Noted  Noted  Noted  Overrides to the Global Configuration can be set Noted		
- State which service is used? - Can rates subsequently be manually changed by a user, subject to the permissions matrix? - Is there an audit trail of all changes to rates?  Account/product types:  7.07 Does the system hold a library of types of loan-account products? If so, list the types supported, e.g. Mortgage, loans, asset finance, bridging, etc  7.08 Does the system provide for a product hierarchy? If so, explain what is provided, e.g. Products, product subgroup, product group.  7.09 If a hierarchy is supported can account/product-based parameters be set at sub-group and group level as well as product level?  7.10 What EIR-related parameters can be set against a product (product-specific parameters) - Fee, fee-type, calculation types, amortisation flag? - Rate change frequency? - Cap/floor rates? - Date when special-terms end? - Date when the contractual rate changes? - Reversion period and balance reduction percentages? - Repayment types? - Other attributes and interest rate parameters? - Interest charging policy? - Amortisation profile? - Days fees to include before the product started? - Early Redemption Charge processing parameters (IFRS9)? - Capital and interest adjustments? - Other parameters Please state what is supported.  7.12 Does the system allow "overrides" to be set, e.g. Setting a  Overrides to the Global Configuration can be set Noted		
7.07 Does the system hold a library of types of loan-account products?  If so, list the types supported, e.g. Mortgage, loans, asset finance, bridging, etc  7.08 Does the system provide for a product hierarchy? If so, explain what is provided, e.g. Products, product subgroup, product group.  7.09 If a hierarchy is supported can account/product-based parameters be set at sub-group and group level as well as product level?  7.10 What EIR-related parameters can be set against a product: (product-specific parameters) - Fee, fee-type, calculation types, amortisation flag? - Rate change frequency? - Cap/floor rates? - Date when special-terms end? - Date when special-terms end? - Other attributes and interest rate parameters can be set: (non product-specific IR configuration parameters) - Interest charging policy? - Amortisation profile? - Days fees to include before the product started? - Early Redemption Charge processing parameters (IFRS9)? - Capital and interest adjustments? - Other parameters? Please state what is supported.  7.12 Does the system allow "overrides" to be set, e.g. Setting a  The system supports any loan time, even those that are negative for instance in relation to an offset mortgage. Configuration within the product enables the modelling of any individual loan, or portfolio of loans, behaviour.  The system supports any loan time to an offset mortgage. Configuration within the product can be feet to approduct. Supported the modelling of any individual loan, or portfolio of loans, behaviour.  The system supports any load in offset mortgage. Configuration within the product subles the modelling of any individual loan, or portfolio of loans, behaviour.  The product hierachy is Product Scub Group, Product Sub Group and Product.  The product hierachy is Product Group, Product Sub Group and Product.  The product hierachy is Product Sub Group and Product.  The product hierachy is Product Sub Group and Product.  The product hierachy is Product Sub Group and Product.  The product hierachy is Product S		
If so, explain what is provided, e.g. Products, product subgroup, product group.   7.09   If a hierarchy is supported can account/product-based parameters be set at sub-group and group level as well as product level?   7.10   What EIR-related parameters can be set against a product: (product-specific parameters)   Fee, fee-type, calculation types, amortisation flag?   A sate change frequency?   Cap/floor rates?   Date when special-terms end?   Date when special-terms end?   Date when the contractual rate changes?   Reversion period and balance reduction percentages?   Repayment types?   Other attributes and interest rate parameters can be set: (non product-specific EIR configuration parameters)   Interest charging policy?   A mortisation profile?   Days fees to include before the product started?   Early Redemption Charge processing parameters (IFRS9)?   Capital and interest adjustments?   Other parameters? Please state what is supported.   Overrides to the Global Configuration can be set   Noted   Not		
parameters be set at sub-group and group level as well as product level?  7.10 What EIR-related parameters can be set against a product: (product-specific parameters) (product-specific parameters parameters) (product-specific parameters) (product		
(product-specific parameters) - Fee, fee-type, calculation types, amortisation flag? - Rate change frequency? - Cap/floor rates? - Date when special-terms end? - Date when the contractual rate changes? - Reversion period and balance reduction percentages? - Repayment types? - Other attributes and interest rate parameters? Please state what is supported.  Working/calculation parameters  7.11 What additional EIR-related parameters can be set: (non product-specific EIR configuration parameters) - Interest charging policy? - Amortisation profile? - Days fees to include before the product started? - Early Redemption Charge processing parameters (IFRS9)? - Capital and interest adjustments? - Other parameters? Please state what is supported.  7.12 Does the system allow "overrides" to be set, e.g. Setting a  The appropriate reference interest rate can be set as well as either the expected life characteristics of the loan or its expected average life.  The appropriate reference interest rate can be set as well as either the expected life characteristics of the loan or its expected average life.		
7.11 What additional EIR-related parameters can be set: (non product-specific EIR configuration parameters) - Interest charging policy? - Repayment policy? - Amortisation profile? - Days fees to include before the product started? - Early Redemption Charge processing parameters (IFRS9)? - Capital and interest adjustments? - Other parameters? Please state what is supported.  7.12 Does the system allow "overrides" to be set, e.g. Setting a  As well as these global parameters repayment behaviour in the first month of draw down for interest calculation and account repayment can be configured. As well as whether for repayment loans the amount of monthly repayment is recalculated within a period with a rate change.  Overrides to the Global Configuration can be set Noted		
redemption code processing and the period before draw down whereby any fees charged need to be amortised over the expected loan life.		
7.13 If so, can overrides be set by account/product type? Overides are set by account type Noted		
Environment setup:		

D-6	Description and	Description	Davidson Community
7.14	Requirement  Does the system allow a user to use multiple devices, e.g. a desktop and a tablet?	Response login can be from multiple devices	Reviewer Comments Confirmed, however there are screen resolution challenges with the use of a mobile.
7.15	If accessed by a tablet/mobile, does the application auto render to fit the screen type/size?	desktop only application	Confirmed
7.16	Does the system provide the facility for off-line working, i.e. downloading a scenario for amending away from the office and then subsequently uploading any changes back into the system?  If so, please explain how this operates.	No	Confirmed
7.17		N/A	-
7.18	Does the system provide a facility for auto-saving changes during a user's editing session?  If so:  - Can the frequency of these auto-saves be manually set?  - Can the user initiate a save manually?  - Can a user roll back to a previous saved version?	No	Noted
7.19	Does the system provide inbuilt workflow functionality?	No as this would give no utility benefit	Noted, but there is a logical flow.
7.20	Does the system have an audit trail that includes details of changes to: - Standing data including lists, parameters, libraries of account/product types, product-specific parameters and non product-specific EIR configuration parameters? - Client and scenario details?	No	Noted. Changes to the data will be recorded in the underlying database but are not directly accessble to the user.
7.21	Does the system integrate to accounting/financial packages? If so, please list which ones are supported and explain the method of integration (e.g. dedicated connector, webservices, etc):	No	Noted
7.22	Does the software directly integrate with on-line software/services?  If yes, please list the packages/services in the categories below and explain the method of integration (e.g. dedicated connector, webservices, etc):  - Accounting software (e.g. Sage, QB, Xero)?  - Tax software?  - Others, please specify?	No	Noted
7.23	Does the system allow for multiple operating environments, e.g. test, training, live/production?	Yes	Confirmed
7.24	If so, is there an additional charge for this?	No	Noted
User setup			
7.25	Does the system provide a permissions matrix so that rights can be set at user and group level?	Set at Group level	Confirmed
7.26	Does this apply to: - Specific areas of functionality? - Setup of system parameters and standing data? - Authorisations? - Specific clients? - Particular scenarios for those clients?	Specific areas of functionality	Confirmed
7.27	Is it possible to define delegated access?	No	Confirmed
7.28	Can workflow authorisations be set to work at a user and/or group level?	N/A	-
7.29	Can multi-level authorisations be set?	No	-
7.30	Are there any restrictions on more than one user working on the same client scenario at the same time?	No	Noted
	nario (assessment) setup		
7.31	Does the system facilitate the setup and maintenance of a client's details (client profiles)?  If so, can mandatory fields be set?	All client details are draw from source data systems and cannot be altered.	Confirmed
7.32	Can the system record client notes, etc as required?	No	Confirmed
7.33	Does the system provide a simple view showing all the scenarios created for a client?	Yes	Confirmed

	Requirement	Response	Reviewer Comments
7.34	Does the system provide a straightforward way to search for a scenario, with search parameters such as: client, scenario-ID, year, date-range?	Yes, these are available in the drop down list	Confirmed
7.35	Is it possible to choose to set up a new scenario for a client by copying forward all/parts of the details from the previous year?	No	Confirmed. Scerarios remain for the lifetime of the loan. A customer can run the assessmem on them whenever they want.
7.36	Does the system provide the ability to delete scenarios, subject to the permissions matrix?  If so, is this noted in the audit log?	An individual group can be prevented from access to Scenario management screens	Confirmed
7.37	Does the system come with a library of standard scenario templates that can be used to add a new scenario to a client?	This would not be appropriate.	Confirmed. Customers (Banks or Building Societies etc) must make their own decisions as thow their lenders behave.
7.38	Are there specific scenario templates for different types of: - Client sector? - Client size? - Product? - Other, please specify?	N/A	-
7.39	Can a new scenario template be created based on an existing template, then manually amended?	N/A	-
7.40	Can client-specific templates be created?	Every scenario is specific to the particular borrower's behaviours.	Noted
m a t w u a t i	ing and amouding the FID		
7.41	ing and amending the EIR  Does the system provide options to produce a forward	Yes	Confirmed
	interest profile and from this generate cashflows?		
7.42	Can the main input factors be pulled from the default parameters held within the system and manually overridden as required?	The forward interest profile is derived from the actual loan parameters from the source lending system. These loan parameters cannot be changed.	Confirmed
7.43	Do these include: - Interest rates? - Repayment value? - Key dates? - Reversion parameters? - Dates/rates in relation to the crossover period? - Other please specify the main factors?	The forward interest profile is derived from imported data such as original loan balance, original term, interest rate and historical interest rate changes. It is only the factors that determine the future expected behaviour, such as reversion behaviour, that are configurable.	Confirmed
7.44	Does the system allow changes to the interest calculation method?  If so, please explain the methods provided.	The system allows configuration of a multiplicity of calculation methods daily or periodic, charged on six different basis including monthly or quarterly, 7 different capitalisation basis such as bi-annually or at maturity and whether compounded on a daily basis.	Confirmed
7.45	Does the system automatically produce the forward profile and the associated EIR?	The forward profile is automatically produced for a loan in the month it is first imported into the system and the period end asessment process run.	Confirmed
7.46	Does the system also generate the amortised fee income, costs and other profile outputs?	Yes	Confirmed
7.47	Does the system apply any machine learning to the creating of the interest profile and/or the subsequent profile/EIR? If so, please explain how this operates.	No	Noted
7.48	Can the input variables/parameters and the resulting profiles, cashflows and EIR be exported to Excel, CSV, or printed out?	The full assessment profile can be exported into Excel and from that by way of anything other format.	Confirmed
7.49	Does the system have an audit trail that records all the various parameters/setting as these change on a monthly basis?	No	Confirmed

Ref	Requirement	Response	Reviewer Comments
7.50	Does the system support a "switch" where a loan, currently on a special terms product and subject to EIR, "switches" to another product. That product may be another special terms product or it may be non-special terms. If so, please state the types supported.	Products can be switched or ported a multiplicity of times to special terms products or products with an average life	Confirmed
7.51	Does the system support a "transfer" where a loan, currently a non-special terms product, "transfers" to another product. If so, please state the types supported.	Products can be transferred a multiplicity of times to special terms products or products with an average life	Confirmed
7.52	Does the system support the creation and maintenance of "Behavioural curves" (and the associates periods and payment profiles) as used in IFRS9?	The system supports behavioural curves for modelling prepayment behaviours for FRS102 or IFRS 9 and also modelling stage 3 loss provisions for IFRS 9	Confirmed
7.53	If so, can they be assigned to particular products?	Yes	Confirmed
7.54	Does the system provide workflow functionality to step the user through the whole EIR process?	This is not required the system operates as an accounting system. A user progresses month to month importing month end data and outputing journal information period by period.	Confirmed
7.55	If so, is there built in help/FAQs to assist a user if they need guidance or clarity of what an option means?	There is contextual help in all key fields as well as a comprehensive user guide.	Confirmed
7.56	Can a workflow be paused and subsequently resumed at any process?	N/A	-
7.57	Does the system allow actions/tasks to be created on users of the system for follow up actions?		-
7.58	Is it possible to report on the progress of list of actions?	N/A	-
7.59	Does the system provide an overview of the completion progress/status of actions?	N/A	-
Reporting	and reporting packs		
7.60	Does the system provide an inbuilt suite of reports? If so, please detail the main areas covered?	The system provides three OLAP data cubes	Confirmed
7.61	Does the supplier of the system warrant to customers that the outputs of the system conform to IFRS 9 requirements and will continue to do so should any updates or amendments to that standard be issued?	and IFRS9 income recognition for basic financial	Noted
7.62	Does the system enable customisation of reports by a combination of various parameters/dimensions?	Yes by way of the OLAP data cubes	Confirmed
7.63	If so, what parameters are supported: - Account/product? - Date range? - Interest-rate related? - Fee related? - Maturity date? - Other, please provide brief details?	An extensive list of all measures and dimensions are provided in the three OLAP cubes to enable virtually limitless reporting configuration.	Confirmed; these are all detailed in the accompanying documentation.
7.64	Do the reports provide totals where applicable?	As required	Confirmed
7.65	Is there functionality to drill through from output data in the report to the source/underlying parameters to help resolve any queries?	The OLAP cubes allow drill down to an account level.	Confirmed
7.66	Is a report writer provided as part of the software or as an add on?  If so, please state the name of any third party package.	Microsoft Power BI or Excel are reccomended but not provided	Confirmed
7.67	Does the report writer have the facility to scroll up and down when output to screen?	The OLAP cubes support any presentation approach	Noted
7.68	Does the report writer allow print previews of all reports?	Yes by way of the OLAP data cubes	Noted
7.69	Can a hard copy be produced of all screen enquiries?	Only by way of print screen or copy but the detailed asessment analysis of an individual loan can be copied in its entirety to Microsoft Excel.	Confirmed
7.70	Does the system provide an inbuilt analytics module so that detailed/complex multi-variable reporting can be undertaken?	No but three OLAP cubes are provided	Confirmed
7.71	Does the system provide a standard reporting pack for a scenario?  If so, please describe the contents of the pack.	No	Noted

Ref	Requirement	Response	Reviewer Comments
7.72	Does the system allow for user-customisable document formatting of the reporting pack? - Font? - Paragraph style? - Page format? - Watermark, e.g. "Draft"? - Company/client logo/graphic? - Signing boxes? - Other, please specify	Yes by way of the OLAP cubes	Confirmed. The customer can produce their own customised reports using a BI tool such as Microsoft PowerBI.
7.73	Can the user preview the document being created in real-time as they respond to the tasks in the workflow?	N/A	-
7.74	Can the pack be produced in different formats?  If so, are the following supported: - PDF? - MS Word (DOCX) format? - MS Excel (XLSX)? - Other, please specify?	Yes by way of the OLAP cubes	Confirmed
7.75	Can the system support distribution of the packs via email?	Yes by way of the OLAP cubes. Use of Power BI enables reports to be published to mobile devices on a daily basis.	Noted
7.76	Does the system provide a client portal to enable the exchange of documents between the firm using the system and their clients?	N/A	Noted