

AuditZone Issues under '30. AuditZone v2.0 Release'

Deliverable	30. AuditZone v2.0 Release
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Issue 2000. Missing type link for Requirement Folder

Description Missing type link: Requirement Folder->parent-child relationship->Requirement Folder

Type	Reported By	Submission Date	Completion Date
Bug Report	Ertan Ozkan	11/01/2008	11/01/2008
Priority	Status	Assigned To	
High	Completed	Ertan Ozkan	
Actions Taken			
The type link has been added: "Requirement Folder" is child of "Requirement Folder".			

Issue 2001. Missing type link for Root Cause Folder

Description Missing type link: Root Cause Folder->parent-child relationship->Root Cause Folder

Type	Reported By	Submission Date	Completion Date
Bug Report	Ertan Ozkan	11/01/2008	11/01/2008
Priority	Status	Assigned To	
High	Completed	Ertan Ozkan	
Actions Taken			
The type link has been added: "Requirement Folder" is child of "Requirement Folder".			

Issue 2002.a. Internationalisation of menu

Description Internationalisation of the main menu and pop-up menus in object explorer and audit worksheet.

Type	Reported By	Submission Date	Completion Date
Change Proposal	Ertan Ozkan	19/11/2007	18/12/2007
Priority	Status	Assigned To	
Normal	Completed	Ertan Ozkan	
Actions Taken			
Menu items are internationalised through a property file.			

Issue 2002.b. Internationalisation of GUI

Description Internationalisation of the graphical user interfaces (GUIs). It will cover button names and field names.

Type	Reported By	Submission Date	Completion Date
Change Proposal	Ertan Ozkan	19/11/2007	18/12/2007
Priority	Status	Assigned To	
Normal	Completed	Ertan Ozkan	
Actions Taken			
GUI items (buttons, titles, field names) are internationalised through a property file (same file used for menus).			

Issue 2002.c. Internationalisation of data model

Description Some GUIs are automatically generated from data model. The following data models are used within GUIs: type names (e.g., Audit Finding), relationship names and roles used within relationships, lists and list items.

Type	Reported By	Submission Date	Completion Date
Change Proposal	Ertan Ozkan	19/11/2007	04/01/2008
Priority	Status	Assigned To	
Normal	In progress	Ertan Ozkan	
Actions Taken			
Related MySQL database and tables are set to UTF8 to support locale within the database. Furthermore, all connections made within AuditZone are set to UTF8. All items precised in this change proposal are translated from English to French, Turkish and German (automatically by using a program). The common attribute "Name" is supported thorough the property file.			

Issue 2002.d. Internationalisation of error messages and warnings

Description Internationalisation of the error messages and warnings. This opporunity should be used to classify error messages.

Type	Reported By	Submission Date	Completion Date
Change Proposal	Ertan Ozkan	02/01/2008	19/01/2008
Priority	Status	Assigned To	
Normal	In progress	Ertan Ozkan	
Actions Taken			
Error messages and warnings are extracted into an Excel file. Message are reviewed and, if necessary, similar ones are combined into one message or warning. Furthermore, error messages are categorised. Property file is under preparation.			

Issue 2002.e. Internationalisation of reports

Description Internationalisation of the report items such report description, titles, layout and field names.

Type	Reported By	Submission Date	Completion Date
Change Proposal	Ertan Ozkan	20/01/2008	20/01/2008
Priority	Status	Assigned To	
Low	Rejected	Ertan Ozkan	
Actions Taken			
The reports can be modified by an external tool (iReport) in a different language. For the time being, providing reports in different language is assumed to be a user task.			

Issue 2002. Internationalisation of AuditZone

Description Currently, AuditZone supports only English. However, in order to be widely accepted and used by States, AuditZone should support different language. As the initial step, we will provide AuditZone in English, French and Turkish. German will be supported unofficially (Translation to German is done via a software program and we don't any one who has sound German knowledge).

Type	Reported By	Submission Date	Completion Date
Change Proposal	Ertan Ozkan	20/01/2008	20/01/2008
Priority	Status	Assigned To	
Normal	In progress	Ertan Ozkan	
Actions Taken			
See sub-issues			

Issue 2003. Invalid good practice in set-up

Description Remove good practice 'My Organisation Practice' from AAA set-up

Type	Reported By	Submission Date	Completion Date
Bug Report	Ertan Ozkan	19/01/2008	19/01/2008
Priority	Status	Assigned To	
Low	Completed	Ertan Ozkan	
Actions Taken			
This object is deleted from the table azt_object.			

Issue 2004. Activating risk management and KPI monitoring

Description The scope of previous releases was limited to AAA and CHAIN. New features such risk management and KPI monitoring will be re-activated.

Type	Reported By	Submission Date	Completion Date
Change Proposal	Ertan Ozkan	02/01/2008	02/01/2008
Priority	Status	Assigned To	
Normal	In progress	Ertan Ozkan	
Actions Taken			
Missing types, lists and list items are introduced. However, GUI should be improved for risk and KPI assessment.			

Issue 2005. Support to migrate to a database from a different vendor

Description One of initial objectives of AuditZone is that it can be used with any database which supports JDBC. However, during its development, it became MySQL dependent - at least not tested for another DBMS-. A mechanism should be proposed to migrate from MySQL to another vendor. Furthermore, providing AuditZone with an embedded database will ease the installation script.

Type	Reported By	Submission Date	Completion Date
Change Proposal	Ertan Ozkan	12/01/2008	14/01/2008
Priority	Status	Assigned To	
Normal	Completed	Ertan Ozkan	
Actions Taken			
Migration is handled with an open source tool: Scriptella (see http://scriptella.javaforge.com/) which is an ETL (Extract-Transform-Load) and script execution tool written in Java. The configuration file has been created for Scriptella. This configuration file is responsible for creating new database and copying tables from MySQL database into the new database. The product H2 is chosen to test migration process. H2 is a free embedded database. In medium term, the AuditZone might be migrated to H2 so that installation problems related to MySQL will be eliminated. Although installation of MySQL is easy for technical people, it is sometimes quite cumbersome for the end users. On the other hand, installation of H2 is as simple as unzipping the tool into a directory.			

Issue 2006. Add new system type to put large objects: documents and images.

Description The user can not put supporting documents and/or images to an audit finding. Although there is a system type "File URL" to keep file path, it is not a real solution because the integrity can not be guaranteed (file can be moved, renamed or deleted).

Type	Reported By	Submission Date	Completion Date
Change Proposal	Ertan Ozkan	14/01/2008	19/01/2008
Priority	Status	Assigned To	
Normal	Not started	Ertan Ozkan	
Actions Taken			
None			

Issue 2007. Prepare H2 release

Description Test the AuditZone for H2 database and prepare two releases for H2 (without excel analyser) and MySQL.

Type	Reported By	Submission Date	Completion Date
Change Proposal	Ertan Ozkan	19/01/2008	20/01/2008
Priority	Status	Assigned To	
Normal	In progress	Ertan Ozkan	
Actions Taken			
There are some minor problems related to reporting. It seems that MySQL and H2 use slightly different SQL dialects. 'CREATE or REPLACE VIEW' is not supported by H2.			

Issue 2008. Port the application from JBuilder to Netbeans 6.0

Description JBuilder is a commercial tool and each year we need some budget for software upgrades. So, to cut cost off, it has been decided to use open source development environment. Furthermore, GWT (Google WEB Toolkit), which is chosen for WEB development, can be bundled with Netbeans (but not with JBuilder).

Type	Reported By	Submission Date	Completion Date
Change Proposal	Ertan Ozkan	16/01/2008	17/01/2008
Priority	Status	Assigned To	
Normal	In progress	Ertan Ozkan	
Actions Taken			
Netbeans 6.0 (nb6) is downloaded and installed. Add-in to migrate from JBuilder is also installed. Project is successfully migrated. The only remaining reference to JBuilder is XYLayout. Borland XY layout is being migrated to MIGLayout (http://www.miglayout.com/). For the time being, JBuilder and NetBeans can be used together. However, next version will be with NetBeans 6.0.			

Issue 2009. Adapt AuditZone for audit of instrument flights procedures and aeronautical charts

Description In future Latvia and Estonia are planning to extend the external Audit activity to instrument flights procedures and aeronautical charts. We would also like to address the software manufacturer to upgrade, on the basis of ICAO standards, AuditZone software for auditing the mentioned above.

Type	Reported By	Submission Date	Completion Date
Change Proposal	Irina Piskunova	15/11/2007	15/01/2008
Priority	Status	Assigned To	
Normal	Waiting on someone else	Ertan Ozkan	
Actions Taken			
We provide AuditZone for free. OzTech is a commercial company. It should make some money. We cannot develop such checklists for free. As a reminder from AISOPS meeting minutes, if there is a generic requirement, it could be financed by Eurocontrol. If it is specific requirement, it must be paid by the State.			

Issue 2010. How to determine the severity of the non-conformity findings.

Description It is unclear how to determine the severity of the non-conformity findings.

Type	Reported By	Submission Date	Completion Date
Information Request	Irina Piskunova	15/11/2007	14/01/2008
Priority	Status	Assigned To	
Normal	Completed	Ertan Ozkan	
Actions Taken			
Development team thinks that such questions should be discussed and decided among the user. However, if the remark is that the severity field is obsolete, then we have to change the model and all reports referencing to this field.			

Issue 2011. Problems with import and export of Audit files.

Description Problems with import and export of Audit files.

Type	Reported By	Submission Date	Completion Date
Bug Report	Irina Piskunova	15/11/2007	19/01/2008
Priority	Status	Assigned To	
High	Waiting on someone else	Ertan Ozkan	
Actions Taken			
Datasets to be asked. A dataset for import problem has been provided with latest trouble reports.			

Issue 2012. The software does not ask if you want to save changes

Description When logging off, the software does not ask if you want to save changes.

Type	Reported By	Submission Date	Completion Date
Change Proposal	Irina Piskunova	15/11/2007	16/01/2008
Priority	Status	Assigned To	
Normal	Rejected	Ertan Ozkan	
Actions Taken			
There is no save option or button (except for administration) in AuditZone. Since, operations are automatically saved by the tool. This is a design choice inherited for Excel-based AAA. Now, providing a save option is quite costly in terms of development. Therefore, the change proposal is rejected.			

Issue 2013. Poor user guide

Description The User Guide material should be improved and/or special courses arranged for both the Administrator (IT specialist) and for Auditor (AIS specialist).

Type	Reported By	Submission Date	Completion Date
Change Proposal	Irina Piskunova	15/11/2007	19/01/2008
Priority	Status	Assigned To	
High	Waiting on someone else	Ertan Ozkan	
Actions Taken			
More feedback should be asked from Irina (which sections, what kind of examples)			

Issue 2014. Don't allow export all audits (i.e., audit container)

Description For saving an audit, export of file was done. But unfortunately Lithuanian colleague choose the whole "Audit Executions" file (with Demo Audit & Lithuanian audit) instead of just "Lithuanian AIP" file to export to Local Disc. Shouldn't there be some kind of warning that you cannot export all "Audit Executions" file, only specific audit? (Can you please extract "Audit Executions" and "Demo Audit" from this file so that "Lithuanian AIP" audit would not be lost and that only this audit can be imported to AuditZone tool? The xml file is also attached to this e-mail.)

Type	Reported By	Submission Date	Completion Date
Bug Report	Irina Piskunova	14/01/2008	14/01/2008
Priority	Status	Assigned To	
High	Rejected	Ertan Ozkan	
Actions Taken			
Export is applicable to any object within AuditZone (not only audits). Therefore, it is not really a bug from our point of view. We can only suggest (re-)exporting from the correct node. However, XML file can be imported under "Audit Programme/AIS Organisation Audit Programme" by using the object explorer (Do not use the audit worksheet since it is capable of showing only one "Audit Executions" at a time). This action will be create two "Audit Executions" in the tree view Then, (re-)export the Lithuanian audit and remove the new "Audit Executions" to avoid having multiple "Audit Executions".			

Issue 2015. Import error: no memory

Description When we tried to import this file, the system told us that there is "no memory". This problem has appeared on every computer we used.(What memory is needed? This problem should be resolved because the whole audit (even part of it) cannot be done if this tool doesn't import files properly. And this file is actually quite small!!)

Type	Reported By	Submission Date	Completion Date
Bug Report	Irina Piskunova	14/01/2008	18/01/2008
Priority	Status	Assigned To	
High	Completed	Ertan Ozkan	
Actions Taken			
The problem is re-produced. It happens since data structures (PreparedStatement and ResultSet) related to database connection during import operation are not closed after their usage. This was causing a memory leak. Associated close statements are added. Modified code is verified via memory profiler and it seems that the error has been resolved.			

Issue 2016. Lost data after importing an audit

Description After we closed Audit Worksheet and opened it again, some of the imported file was there with a lot of lost data (i.e. missing parts and sections of AIP).

Type	Reported By	Submission Date	Completion Date
Bug Report	Irina Piskunova	14/01/2008	20/01/2008
Priority	Status	Assigned To	
High	Not started	Ertan Ozkan	
Actions Taken			
Remarks: (1) Bug report does not contain the original database for comparison, (2) Memory leak problem is already resolved. We imported Lithuanian Audit Executions (i.e., all) from the user XML file. Then, re-export the audit and import it again. After these two successive imports, as expected, there were two objects with the name 'Lithuanian AIP': [23027, :8:17:32:187:23027:] and [20392, :8:17:32:19028:20392:]. There are same number of objects (2631 objects) under these two objects. To compare number of expected questions, we wrote a query to get number of questions within a set-up: 1183. Since, the following three items are repeated: "Checklist for GEN 0.2 Record of AIP Amendments" [2,5]; "Checklist for GEN 1.1 Designated authorities" [8,8] and "AD 2 Aerodromes" [4, 266]. The expected number is calculated as: $1183 + 1 \times 5 + 7 \times 8 + 3 \times 266 = 2042$. This number corresponds to number of question answers under 'Lithuanian AIP'. So, we concluded that problem is most likely related to memory leak related to import operation.			

Issue 2017. Introduce a spelling checker

Description Continuation of change proposal 1006. Introduce a spelling checker for textual data (auditing findings and actions). The spelling checker must be multi-language.

Type	Reported By	Submission Date	Completion Date
Change Proposal	Ertan Ozkan	25/05/2007	25/01/2008
Priority	Status	Assigned To	
Low	Deferred	Stephane Kaya	
Actions Taken			
There are two libraries: JOrtho (free for non-commercial use) and jazzy (free). We have chosen JOrtho (Java Orthography) which is a spell-checker entirely written in Java. Its dictionaries are based on the free Wiktionary project and can therefore be updated by virtually any language. The library works with any JTextComponent from the Swing frame work. This includes JTextPane, JEditorPane and JTextArea. It is an Open Source project hosted on sourceforge.net. Currently, two languages are supported: English and German			

Issue 2018. Process exception which are not handled.

Description

Type	Reported By	Submission Date	Completion Date
Change Proposal	Ertan Ozkan	28/01/2008	28/01/2008
Priority	Status	Assigned To	
Normal	Not started	Ertan Ozkan	
Actions Taken			

Issue 2019. Handle error messages given through System.err.println

Description

Type	Reported By	Submission Date	Completion Date
Change Proposal	Ertan Ozkan	28/01/2008	28/01/2008
Priority	Status	Assigned To	
Normal	Not started	Ertan Ozkan	
Actions Taken			

Issue 2020. Even date value is null, today's date is shown for date field.

Description When editing an object with a date field, null value is shown with today's date. It should be empty string.

Type	Reported By	Submission Date	Completion Date
Bug Report	Ertan Ozkan	28/01/2008	28/01/2008
Priority	Status	Assigned To	
High	Not started	Ertan Ozkan	
Actions Taken			
Today's date is put only if the date field is required.			

Issue 2021. Add a new file for preferences.

Description

Type	Reported By	Submission Date	Completion Date
null	null	28/01/2008	
Priority	Status	Assigned To	
null	null	null	
Actions Taken			