

Defect ID	Unique Defect ID		App	Severity	Likelihood	Impact	Workaround
Hermes_024	134	HERMES - user with read only access able to create a new folder	HERMES	Critical	Medium	Data is not secured from users with access to SRB: assumes open access still. New files are inaccessible by XDMS, or external applications interacting with files, and not validated. Possibility of file system corruption.	Strong warning. New security model in Archer 1.1 is meant to address this issue.
Hermes_025	135	HERMES - User with Read only access able to copy a dataset and datafiles	HERMES	Critical	Medium	Data is not secured from users with access to SRB: assumes open access still. New files are inaccessible by XDMS, or external applications interacting with files, and not validated. Possibility of file system corruption.	Data is not secured from users with access to SRB: assumes open access still. Strong warning. New security model in Archer 1.1 is meant to address this issue.
Hermes_026	136	HERMES - User with Read only access able to rename a datafile	HERMES	Critical	Medium	Data is not secured from users with access to SRB: assumes open access still. New files are inaccessible by XDMS, or external applications interacting with files, and not validated. Possibility of file system corruption.	Data is not secured from users with access to SRB: assumes open access still. Strong warning. New security model in Archer 1.1 is meant to address this issue.
Hermes_027	137	HERMES - User with Read only access able to delete a datafile	HERMES	Critical	Medium	Data is not secured from users with access to SRB: assumes open access still. Files out of sync between iCat and SRB. Possibility of file system corruption.	Data is not secured from users with access to SRB: assumes open access still. Strong warning. New security model in Archer 1.1 is meant to address this issue.
Hermes_022	132	HERMES - User with Read/Write access unable to rename datafile	HERMES	High	High	Users cannot do any management of files under Hermes, including under the staging area	Access SRB direct to do file management. Not a problem for ARCHER outside of staging area, certainly a problem within the staging area
Hermes_023	133	HERMES - Incorrect error message when a delete is attempted without permissions	HERMES	High	High	User is misled as to why they cannot perform a function	Warn in documentation that error messages from Hermes may be misleading
Lgin_001	167	Missing error - authentication - message in Hermes to alert unauthorised user	HERMES	High	High	User is not sure why they have not been granted access to data store	No workaround; alert in documentation

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HERMES_008	67	The datafile has successfully ingested to a folder where it is inconsistent with the hierarchal structure (project>experiment>Dataset>Datafile) of the SRB.	HERMES	High	Medium	Listing of artefacts in iCat becomes out of sync with SRB, because iCat is not updated by HERMES. New structures will be unreadable in XDMS	HERMES must never ever be used to create artefacts in project area; explicit warning in documentation. New security model in Archer 1.1 is meant to address this issue.
HERMES_009	68	The datafile with invalid characters name has successfully uploaded into SRB is inconsistent with the Business Requirements.	HERMES	High	Medium	User cannot manipulate file with invalid name once in XDMS, including moving it out to common project area	File will likely need to be renamed by sysadmin on SRB. Explicitly warn users not to upload files to staging area with illegal characters in name; Hermes cannot police this currently.
HERMES_011	74	A dataset associated to a sample that is deleted in Hermes is available in XDMS	HERMES	High	Medium	Listing of datasets in iCat becomes out of sync with SRB, because iCat is not updated by HERMES. Potential of file system corruption.	HERMES must never ever be used to delete files in project area; explicit warning in documentation. New security model in Archer 1.1 is meant to address this issue.
HERMES_012	75	HERMES - Able to delete a project folder with experiment folder still associated	HERMES	High	Medium	Listing of datasets in iCat becomes out of sync with SRB, because iCat is not updated by HERMES. Potential of file system corruption (orphaned experiments, samples).	HERMES must never ever be used to delete files in project area; explicit warning in documentation. New security model in Archer 1.1 is meant to address this issue.
HERMES_016	79	Dataset created in Hermes is not accessible from XDMS	HERMES	High	Medium	Listing of datasets in iCat becomes out of sync with SRB, because iCat is not updated by HERMES. Potential of file system corruption.	HERMES must never ever be used to delete files in project area; explicit warning in documentation. New security model in Archer 1.1 is meant to address this issue.
HERMES_017	80	HERMES - User able to rename a datafile using invalid characters.	HERMES	High	Medium	Renamed files become inaccessible by XDMS, or external applications interacting with files	HERMES must never ever be used to edit files in project area; explicit warning in documentation. New security model in Archer 1.1 is meant to address this issue.

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HERMES_018	81	HERMES - Error message un-descriptive when attempting to rename with invalid characters	HERMES	High	Medium	User not made aware of why file should not be renamed to contain banned characters	HERMES must never ever be used to edit files in project area; explicit warning in documentation. New security model in Archer 1.1 is meant to address this issue.
HERMES_019	82	HERMES - Once renamed in Hermes, a project cannot be viewed or updated within XDMS	HERMES	High	Medium	Renamed files become inaccessible by XDMS, or external applications interacting with files	HERMES must never ever be used to edit files in project area; explicit warning in documentation. New security model in Archer 1.1 is meant to address this issue.
HERMES_020	83	User able to create additional project structure within Hermes	HERMES	High	Medium	Listing of artefacts in iCat becomes out of sync with SRB, because iCat is not updated by HERMES. Potential of file system corruption.	HERMES must never ever be used to create artefacts in project area; explicit warning in documentation. New security model in Archer 1.1 is meant to address this issue.
HERMES_001	60	1. No record of "Create Datetime" 2. No record of "Owner Value"	HERMES	Medium	high	User cannot audit files (e.g. check whose files are whose, which have been most recently uploaded most recently) directly through Hermes. Some user annoyance, as these features are routinely available in FTP clients	Warn in documentation possibly, but is fairly obvious. Data store will still have record of this information, so audit needs to be performed directly on SRB
HERMES_002	61	The project folders are not listed.	HERMES	Medium	High	User does not know where project area is just by accessing Hermes	Local deployments must inform users of SRB path to navigate to to access project area; documentation should recommend that they bookmark SRB accordingly
HERMES_003	62	Unable to sort experiment folders in descending order by its filename.	HERMES	Medium	High	Users cannot navigate files in descending order	Users can only navigate files in ascending order, and scroll upwards
HERMES_004	63	Unable to sort project folders in descending order by its filename.	HERMES	Medium	High	Users cannot navigate files in descending order	Users can only navigate files in ascending order, and scroll upwards

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HERMES_005	64	Unable to sort dataset folders in descending order by its filename.	HERMES	Medium	High	Users cannot navigate files in descending order	Users can only navigate files in ascending order, and scroll upwards
HERMES_006	65	Unable to sort datafile in descending order by its filename.	HERMES	Medium	High	Users cannot navigate files in descending order	Users can only navigate files in ascending order, and scroll upwards
HERMES_013	76	Delete confirmation message in Hermes grammatically incorrect.	HERMES	Medium	High	Loss of reputation to JCU	Documentation would only make this worse; alert JCU for next release
HERMES_015	78	HERMES - Fields of create date, time and owner are not displayed	HERMES	Medium	high	User cannot audit files (e.g. check whose files are whose, which have been most recently uploaded most recently) directly through Hermes. Some user annoyance, as these features are routinely available in FTP clients	Warn in documentation possibly, but is fairly obvious.
HERMES_014	77	No search function exists in Hermes	HERMES	Medium	Low	Users cannot find areas to upload to or download from through Hermes, if they don't already know	Hermes is only meant to upload to staging area, so no impact to Archer for upload. For download, workaround is to do search in XDMS instead
Hermes_021	131	HERMES - No Ingest, download or reingest functions exists	HERMES	Medium	Low	Users may not tweak to the fact that copying files to and fro in Hermes counts as ingest and download	Make the correlation explicit in user documentation
HERMES_007	66	Invalid datafile extension format has successfully ingested into SRB through HERMES is incorrect.	HERMES	Low	Medium	Users can upload files into SRB with arbitrary file types	HERMES is not tasked with validating files under Archer, and validation is XDMS responsibility when moving data out of staging area
HERMES_010	69	The datafile with invalid content has successfully uploaded into SRB is inconsistent with the Business Requirements.	HERMES	Low	Medium	Users can upload files into SRB with arbitrary file types and content	HERMES is not tasked with validating files under Archer, and validation is XDMS responsibility when moving data out of staging area

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smpIMdat_001	53	Create sample metadata - Missing fields from metadata editor. Those fields include Crystal Size X, Crystal Size Y, Crystal Size Z, Colour	MDE	High	High	Users cannot enter metadata for those crystal fields	Metadata for the xtal client is being overhauled for MDE 1.1, and client is already testing new solution. Data compromised is intended as example, so limited risk. This needs to be monitored anyway, because crystal schema is not meant to have changed at all between 1.0 and refreshed 1.0.1. WANT TO CONFIRM AND FEED BACK TO UQ
DTFiles_MD_005	181	Undefined items in OSC datafile schema	MDE	High	High	Users cannot enter metadata for those image fields	Metadata for the xtal client is being overhauled for MDE 1.1, and client is already testing new solution. Data compromised is intended as example, so limited risk. This needs to be monitored anyway, because crystal schema is not meant to have changed at all between 1.0 and refreshed 1.0.1. WANT TO CONFIRM AND FEED BACK TO UQ
DTFiles_MD_012	188	When user attempts to save the metadata with all other field blank except for "Detector type" and "Comments". An error message displays: "This record was not saved because some of the data values are invalid. Do you wish to attempt to force saving this invalid record?"	MDE	High	High	User misled over validity of record in MDE with blank optional fields (attempting to validate blank fields as numbers)	Warn in documentation that blank optional numeric fields currently fail to validate

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DTFiles_MD_013	189	User saved the metadata with symbol " and it became â in the Detector type and Comments.	MDE	High	High	Non-alphanumeric characters in MDE are being mangled without warning to user; in some cases, this leads to real loss of information	Warn in documentation that MDE does not currently deal well with non-alphanumeric characters
DTFiles_MD_017	193	No error message when attempting to edit OSC datafile metadata with invalid characters.	MDE	High	High	User cannot validate the field correctly	Metadata for the xtal client is being overhauled for MDE 1.1, and client is already testing new solution. Data compromised is intended as example, so limited risk. This needs to be monitored anyway, because schema is not meant to have changed at all between 1.0 and refreshed 1.0.1. WANT TO CONFIRM AND FEED BACK TO UQ
DTFiles_MD_019	195	Ip Shape does not confirm to character limits.	MDE	High	High	User cannot validate the field correctly	Metadata for the xtal client is being overhauled for MDE 1.1, and client is already testing new solution. Data compromised is intended as example, so limited risk. This needs to be monitored anyway, because schema is not meant to have changed at all between 1.0 and refreshed 1.0.1. WANT TO CONFIRM AND FEED BACK TO UQ
KAN_005	M86	DM004 (Create Dataset Metadata - Processing) - Useability defect - user is forced to enter number, and there is no user msg to inform them that numbers need to be entered	MDE	High	High	User does not understand why number has not been accepted	Alert in documentation that users may not get full alerts about legal characters from MDE. This particular defect has been addressed in MDE 1.1.

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DSET_MD_009	156	Dataset (Processing Results) metadata is not saved when valid values are entered in all the mandatory fields: Final Cell Length A, Final Cell Length B, Final Cell Length C	MDE	High	Medium	Validation does not meet requirements	Metadata for the xtal client is being overhauled for MDE 1.1, and client is already testing new solution. Data compromised is intended as example, so limited risk. This needs to be monitored anyway, because schema is already meant to have been updated to fix this. WANT TO CONFIRM AND FEED BACK TO UQ
DSET_MD_012	159	Metadata is not saved. An error message display "Some data values are invalid. Are you sure you wish to save?". This is related to "number Of Reflections" field.	MDE	High	Medium	Validation does not meet requirements	Metadata for the xtal client is being overhauled for MDE 1.1, and client is already testing new solution. Data compromised is intended as example, so limited risk. This needs to be monitored anyway, because schema is already meant to have been updated to fix this. WANT TO CONFIRM AND FEED BACK TO UQ
DSET_MD_014	161	Dataset (Solutions) metadata is not saved when the limit of 50 characters are entered in the mandatory field: Crystal Space Group Symbol	MDE	High	Medium	Validation does not meet requirements	Metadata for the xtal client is being overhauled for MDE 1.1, and client is already testing new solution. Data compromised is intended as example, so limited risk. This needs to be monitored anyway, because schema is already meant to have been updated to fix this. WANT TO CONFIRM AND FEED BACK TO UQ
DFiles_MD_011	187	Wording of error message. Expected: field exceeds character limits Actual: Data error(s) detected.	MDE	High	Medium	Users unclear about what has gone wrong when they enter over long character	Warn in documentation about unclear error msgs for overlong names, in MDE as well as XDMS

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JC014	M90	CREATE DATASET METADATA - DATA COLLECTION_ User receiving error message when saving valid Data Collection metadata template	MDE	High	Medium	User misled as to whether metadata is valid or not.	Warn users to manually review any reports of errors under MDE; they can force save if they think they're right.
JC019	M95	CREATE DATASET METADATA-DATA COLLECTION_user able to enter Negative Integer in Number of Frames field	MDE	High	Medium	Validation does not meet requirements	Metadata for the xtal client is being overhauled for MDE 1.1, and client is already testing new solution. Data compromised is intended as example, so limited risk. This needs to be monitored anyway, because schema is already meant to have been updated to fix this. WANT TO CONFIRM AND FEED BACK TO UQ
AU_013	M193	Re-Extract Datafile Metadata (OSC Type) - System displays different metadata fields as on the metadata schema provided	MDE	High	Medium	Validation does not meet requirements	Metadata for the xtal client is being overhauled for MDE 1.1, and client is already testing new solution. Data compromised is intended as example, so limited risk. This needs to be monitored anyway, because schema is already meant to have been updated to fix this. WANT TO CONFIRM AND FEED BACK TO UQ
DFiles_0109_004	22	Injest Datafile: .OSC metadata inconsistent with schema - Missing fields: Crystal Space Group Symbol, Optics Type Additional fields: Xray Memo	MDE	Medium	High	Users cannot enter the fields specified for images	(a) client will be changing schema anyway, and (b) fields unlikely to be relevant: the space group is about solutions, and the optics type is subsumed in the instrument description.

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EO_RTST2_002	72	Permitted characters within Dataset metadata (Processing Results) are not defined for user.	MDE	Medium	high	User uncertain, without reading documentation of metadata, what constitutes valid data entry for fields	All constraints on metadata entry in schema need to be documented either in mouseover text, or in separately available schema documentation; alert that this is best practice in MDE documentation, encourage client working on new versions of schemas to do one of the two
smpIMdat_002	54	For any field that can contain more than 100 characters, System displays the field content as a single straight line.	MDE	Medium	Medium	Usability annoyance	Users select all, copy and paste too long line into text editor. CONFIRM AND FEED BACK TO UQ
smpIMdat_003	55	Delete sample metadata - "Delete all metadata" functionality does not exist.	MDE	Medium	Medium	Users cannot delete all data and start from scratch	Document that reextract data should be used instead. Alternatively, delete fields one at a time, which is really annoying.
DTFiles_MD_010	186	"Clear Datafile Metadata" function is not yet available	MDE	Medium	Medium	Users cannot delete all data and start from scratch	Document that reextract data should be used instead. Alternatively, delete fields one at a time, which is really annoying.
DTFiles_0109_003	21	Datafile metadata: fields in the Metadata editor not aligned	MDE	Low	High	Annoyance	Don't draw attention to it in documentation
SMPL_MD_01	127	Sample metadata display omits several fields: Crystal Size X, Crystal Size Y, Crystal Size Z, uniProtKBIdAc, Mount, Colour,	MDE			Duplicates #53	
SMPL_MD_04	130	No option to delete all metadata from sample	MDE			Duplicates #55	

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DSET_MD_010	157	The "Completeness" field in the dataset metadata is restricted to the maximum of 15 decimal places when it should be at 100.	MDE			Not a defect: numbers do not specify max number of places	
DSET_MD_011	158	The "Redundancy" field in the dataset metadata is restricted to the maximum of 15 decimal places when it should be at 100.	MDE			Not a defect: numbers do not specify max number of places	
DSET_MD_013	160	Useability. User is unable to enter anything except numeric in the dataset metadata except for "numberofReflections" field	MDE			Duplicates M86	
DSET_MD_015	162	Useability. User is unable to enter anything except numeric in the dataset (Solutions) metadata except for "Crystal Space Group Symbol" field	MDE			Duplicates M86	
DSET_MD_018	165	The button "Delete all metadata" is not existed.	MDE			Duplicates #55	
DTFiles_MD_009	185	Useability - User is forced to enter numeric characters in all fields in Datafile Metadata except Detector Type, and Comments field.	MDE				Duplicates M86
DTFiles_MD_016	192	Undefined items in OSC datafile schema	MDE			Duplicates #181	

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DFiles_MD_018	194	No option to clear all datafile metadata	MDE			Duplicates #186	
Plone_006	143	PLONE - Searching for SRB content does not return all results	Plone	Critical	High	Users do not have the confidence that a search through PLONE SRB will return what they are looking for	Users do search in XDMS instead of PLONE
Plone_002	139	PLONE - No ability to add blog against a project	Plone	High	High	Cannot create blog about projects	manage blog in Plone but not specific to the project when navigating Plone; or outside Plone (and sacrifice ability to have all discussions captured in Plone). The former is preferable: a project-specific blog can be hung off the top level.
Plone_004	141	PLONE - No function to create a mailing list	Plone	High	High	Cannot use PLONE to create or manage email-based discussion lists	Manage mailing lists outside PLONE, and thereby sacrifice ability to have discussions captured in the one place; or (preferred) encourage people to use forums instead of mailing lists
Plone_007	144	PLONE - No option for a user to Check in/out content	Plone	High	High	Plone cannot be used as a document management tool for collaborative editing of documents, without risk of accidental overwriting of content	Alert in documentation; use 3rd party tool for document control (and sacrifice ability of PLONE to gather all collab content in one place); alternative, establish strong workflows to prevent overwriting, and pray
Plone_010	147	PLONE - There is no ability for a user to comment on an annotation	Plone	High	High	Users cannot differentiate between annotations and comments, difficulty in working out levels of annotation	Users can use commenting function for both comment and annotation, but without much help in usability. Alert in documentation
Plone_011	148	PLONE - cannot delete keywords from content	Plone	High	High	Keywords are write-once, user cannot change their minds	Have superuser edit ZOPE database on user's behalf (blurgh)
Plone_001	138	User able to query SRB from 2 simultaneous connections	Plone	High	Medium	Risk of compromising PLONE SRB logging and tracking of user access to SRB	No workaround; alert in documentation. Can only be addressed currently at policy level.

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Plone_003	140	PLONE - Unable to create relationships between user records	Plone	Medium	High	Cannot use PLONE to capture relations between researchers	Use 3rd party system to do so; this is not a mission critical requirement
Plone_005	142	PLONE - No option to add keywords to a users profile	Plone	Medium	High	Cannot use PLONE to capture searchable information about researchers	Use 3rd party system to do so; this is not a mission critical requirement
Plone_009	146	PLONE - No threaded discussion function exists	Plone	Medium	High	Users cannot browse discussions with well-defined threads	Comments can be used as a workaround for discussions, but cannot be postedited or sorted or collapsed by thread
Plone_012	149	PLONE - no option to save search results	Plone	Medium	High	Users cannot reuse searches, have to reenter search parameters each time	No workaround; alert in documentation
Plone_008	145	PLONE - No way to set up notification conditions for folder	Plone	Medium	Medium	Users cannot set up efficient workflows to be updated on changes to a folder: they get either all information or nothing	Alert in documentation.
GEN_2908_003	3	Legal terms and conditions missing from home page	XDMS	Critical	High	Liability not clear	MUST FIX
EXP_2908_008	13	Experiment - Publications (optional) field is missing	XDMS	Critical	High	Users cannot data enter publications into XDMS	Users will need to use 3rd party tool to maintain bibliography of experiments. THIS IS NOT A FIX
Dset_0109_001	23	Dset_create_001A - Missing Publications field	XDMS	Critical	High	Users cannot data enter publications into XDMS	Users will need to use 3rd party tool to maintain bibliography of experiments. THIS IS NOT A FIX
Dtfiles_001	30	Security defect: Any user has the ability to change datafile metadata. User permissions and access control protocols bypassed by metadata editor	XDMS	Critical	High	Users aware of security hole can compromise security of metadata store, and overwrite or view data they should not have access too. Intellectual property can be compromised within the lab.	Alert in documentation: can only deploy in situations where there is complete trust of all users, and any security model is ignored. FIX IS CRITICALLY REQUIRED.

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DSET_MD_007	94	Modify Dataset Metadata (Processing) - System does not return the original value upon clicking NO to respond error message "This record was not saved because some data values are invalid. Do you wish to attempt to force saving this invalid record? YES NO"	XDMS	Critical	High	System saves invalid metadata even after user thinks it will not do so	Warn in documentation: this is a bug, and users will just need to go in afterwards and undo manually --- without the system having alerted them to
srch_006	105	Unable to retrieve list on sample, dataset and datafile metadata located within "User metadata field"	XDMS	Critical	High	Cannot do searchers based on user metadata (or if one can, they haven't been documented properly)	No workaround; alert in documentation that functionality is not available
srch_008	106	Unable to retrieve search result based on specific search category entered under sample section within search page.	XDMS	Critical	High	Cannot do searchers based on user metadata (or if one can, they haven't been documented properly)	No workaround; alert in documentation that functionality is not available

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srch_009	108	Unable to retrieve search result for any search criteria/value entered for Datafile name, datafile type under datafile section within the search page. System displays error message "Service unavailable at the moment. Please try again later" upon clicking search. <i>Note: Failure only occurred if values entered in any fields within Datafile section</i>	XDMS	Critical	High	Cannot use any file-based criteria for search	No workaround. In business terms, datasets are likelier targets of search than datafiles; but users must be warned that datafiles searches are not happening
ACC_005	117	Testacc2(Admin User) - User is unable to modify project folder	XDMS	Critical	High	Administration of artefacts becomes write-once; administrators cannot go back and revise anything	No workaround, short of manually editing iCat database (ick); alert in documentation. Is intended to be fixed under Archer 1.1 revision of security model.
ACC_006	118	Testacc2(Admin User) - User is unable to modify experiment folder	XDMS	Critical	High	Administration of artefacts becomes write-once; administrators cannot go back and revise anything	No workaround, short of manually editing iCat database (ick); alert in documentation. Is intended to be fixed under Archer 1.1 revision of security model.
ACC_007	119	Testacc2(Admin User) - User is unable to modify Dataset folder	XDMS	Critical	High	Administration of artefacts becomes write-once; administrators cannot go back and revise anything	No workaround, short of manually editing iCat database (ick); alert in documentation. Is intended to be fixed under Archer 1.1 revision of security model.
ACC_009	121	Testacc2(Admin User) - User is unable to Copy Dataset folder.	XDMS	Critical	High	Administrator cannot perform core function they are meant to do	Get superuser to move folder on your behalf. Is intended to be fixed under Archer 1.1 revision of security model.

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ACC_012	122	Testacc2(Admin User) - User is unable to Edit, Delete, Copy, Move, or Comment datafile.	XDMS	Critical	High	Administrator cannot perform core function they are meant to do	Get superuser to move file on your behalf. Is intended to be fixed under Archer 1.1 revision of security model.
ACC_011	123	Testacc2(Admin User) - "Edit Datafile Xtal Metadata" and "Re-Extract Datafile Xtal Metadata" button are not available	XDMS	Critical	High	Administrator cannot perform core function they are meant to do	Get superuser to edit metadata on your behalf. Is intended to be fixed under Archer 1.1 revision of security model.
ACC_012	124	Testacc2(Admin User) - "Modify Sample" and "Delete Sample" button are not available except immediate after the Sample is created.	XDMS	Critical	High	Administration of artefacts becomes write-once; administrators cannot go back and revise anything	No workaround, short of manually editing iCat database (ick); alert in documentation. Is intended to be fixed under Archer 1.1 revision of security model.
DTFiles_MD_007	183	Unable to enter in any metadata fields right after the datafile has ingested into SRB	XDMS	Critical	High	Administration of artefacts becomes write-once; administrators cannot go back and revise anything	No workaround, short of manually editing iCat database (ick); alert in documentation. Is intended to be fixed under Archer 1.1 revision of security model.
DTFiles_MD_014	190	The deleted fields remain unchanged in the UQ MetadataEditor and appear exactly the same as before they have been deleted.	XDMS	Critical	High	User has no assurance that deleted metadata is actually being deleted	Check MDE to confirm metadata is being deleted; in worst case, have system admin delete metadata directly on iCat
KAN_001	M205	Access Integration (ACC1) - User is able to transfer datafiles from staging area to SRB even though that user does not belong to the project group.	XDMS	Critical	High	Person with access to SRB can compromise project area despite not being authorised	No workaround; alert in documentation. Open access model has ended up presupposed. Is intended to be fixed under Archer 1.1 revision of security model.

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JC078	M247	CHECK ACCESS_User: testacc2 CAN NOT DELETE, INSERT, EXTRACT, EXPORT DATASET METADATA	XDMS	Critical	High	Administrator cannot perform core function they are meant to do	Get superuser to edit metadata on your behalf. Is intended to be fixed under Archer 1.1 revision of security model.
JC082	M258	CHECK ACCESS_User: testacc2 CAN NOT MODIFY or DELETE SAMPLE information EXCEPT immediately after SAMPLE creation	XDMS	Critical	High	Administration of artefacts becomes write-once; administrators cannot go back and revise anything	No workaround, short of manually editing iCat database (ick); alert in documentation. Is intended to be fixed under Archer 1.1 revision of security model.
PH_XDMS_STAGE_033	M263	User (testacc4) who is not in the Super User group, Admin Group, Team Group (of Access project) is able to view Project within XDMS	XDMS	Critical	High	No restriction is imposed by XDMS on who has access to the data	No workaround; alert in documentation. Open access model has ended up presupposed. Is intended to be fixed under Archer 1.1 revision of security model.
EO_RTST_005	M309	Editing project team and admin groups does not save	XDMS	Critical	High	Administrators cannot adjust who has access to projects, once allocated: permissions are write-once.	Need to adjust permissions at 3rd party (iNQ). Warn in documentation.
EO_CA_003	M312	User with read/write access unable to modify a dataset	XDMS	Critical	High	Users unable to administer dataset they should have been able to	Get administrator to update dataset on your behalf; alert in documentation. This is required functionality that has not been delivered. Is intended to be fixed under Archer 1.1 revision of security model.
JC085	M261	INTERNET EXPLORER V 0.7 XDMS LOG IN_when user is logged into XDMS in two different tabs with DIFFERENT USER and ACCESS LEVELS, access level does not remain specific to tab.	XDMS	Critical	Low	User security is compromised with different logins from same browser	Strong warning in documentation that users must not log in to XDMS from the same browser as two different users

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DSET_MD_002	89	All the fields in the metadata of the dataset become blank once the dataset folder has been moved from one location to another location.	XDMS	Critical	Medium	Users will lose metadata if they move a dataset	Extreme warning to users in documentation, that they will need to reenter metadata if dataset is moved. Could spin this as making sense (dataset is recontextualised); but I wouldn't buy that.
DSET_015	177	Changing a datasets name removes associated sample value	XDMS	Critical	Medium	Changing dataset name loses connection with sample, without any warning to user	Warn in documentation that if dataset name is changed, users will need to relink the dataset to the sample themselves
SH_XDMS_008	M304	Datafile .OSC not being copied to new directory. There is inconsistencies between copy/move dataset and copy/move datafiles, whereby copied dataset are not available as future targets of copy/move datafiles	XDMS	Critical	Medium	User cannot copy into newly moved dataset	Warn users that if dataset is moved or copied, XDMS needs to be given time (refreshed by logout), before the new datasets are possible targets of move or copy
JC084	M260	CREATE DATASET_When user enters more than 255 characters in 'dataset name' field, error message received: 'Insufficient privileges. Please contact your SRB administrator at srbAdmin@xdms.monash.edu.au to grant you privileges.' For users 'testacc1' and 'testacc2'	XDMS	Critical		Duplicates (partly) #96	

Defect ID	Unique Defect ID		App	Severity	Likelihood	Impact	Workaround
GEN_2908_001	1	User ID and Password saved on session closure	XDMS	High	High	Compromise security between people sharing machine; then again, if people are sharing machine, they're already compromising security, and should not assume each others' passwords are inaccessible on the same machine	Severe warning in documentation: if you share machine, you are at risk of passwords being remembered for other users. THIS IS NOT A FIX.
GEN_2908_004	4	Monash contact details displays on all pages	XDMS	High	High	Wrong contact on who (if anyone) will be maintaining code past release	MUST FIX
EXP_2908_001	6	Create Experiment - Name field: Incorrect error msg displayed ("A Datafile with this name already exists in the Dataset") when the number of characters exceed 255	XDMS	High	High	Misleads user as to what the error is, does not tell them how to fix it	Warning in documentation. THIS IS NOT A FIX
EXP_2908_005	10	Experiment - Browse functionality - Missing Project - Browse functionality - missing Sample - Browse functionality - missing	XDMS	High	High	Users cannot audit experiments, projects, samples through XDMS; they can only do so (awkwardly) through 3rd party clients on SRB, or through search functionality for samples on XDMS.	Users ask sysadmin for access to SRB directly, browse projects and experiments directly through 3rd party client. Users ask sysadmin for direct access to iCat, to search for samples associated with experiment; or, users do search for matching samples. THIS IS NOT A FIX
EXP_2908_007	12	Create / Modify Experiment - Role field is mandatory, however is missing the mandatory flag	XDMS	High	High	Users are not informed that Role is mandatory, and are surprised when they are told it is.	Mention in documentation. THIS IS NOT A FIX.
smpl_2908_002	15	CREATE SAMPLE_'Chemical Formula' field missing from screen when creating a sample record	XDMS	High	High	Crystallographers cannot enter chemical formulae of samples. (Our particular client uses Protein names in MDE instead of chemical formulas; but this limits usability for other potential audiences)	Document as defect. THIS IS NOT A FIX

Defect ID	Unique Defect ID		App	Severity	Likelihood	Impact	Workaround
smpl_2908_006	17	MODIFY SAMPLE_There is no 'Show' or 'Browse' Sample function and samples do not appear in left pane	XDMS	High	High	Users cannot audit samples, see what samples have already been created (poss in other experiments), may be exposed to unnecessary errors when duplicating sample entry	Users need to do searches or get direct access to iCat to browse samples, which is messy and not foolproof. THIS IS NOT A FIX.
smpl_2908_007	18	CREATE SAMPLE_Sample name field accepting 260 characters	XDMS	High	High	Sample name may be arbitrarily truncated or corrupted	Warning in documentation. THIS IS NOT A FIX
smpl_2908_008	19	CREATE SAMPLE_Sample Instance field accepting 260 characters	XDMS	High	High	Sample instance may be arbitrarily truncated or corrupted	Warning in documentation. THIS IS NOT A FIX
Dset_0109_004	26	Unable to Create dataset with these symbols : · ; : - _	XDMS	High	High	Cannot use punctuation in names	Alert in documentation.
	29	The security code is not refresh after user has been logged out of XDMS due to session timed out.	XDMS	High	High	Another user can log in on the same terminal, so long as they have visual access to the security code	Still needs password, so they are either spoofing with visual access to terminal, or already have user's password anyway, so no substantial added risk. Still, presents risk of reputation. Alert in documentation.
DTFiles_015	40	Datafiles - Missing functionality : Browse datafile	XDMS	High	High	Cannot do reasonable audit of datafiles in a dataset from within XDMS	Do search on contents of dataset, which should at least provide listing of datafiles; get listing direct from SRB through sysadmin
DTFiles_018	43	Datafile - Rename. Datafile can be renamed with "+" invalid character in the name	XDMS	High	High	Can lead to file name corruption, including loss of uniqueness or file extension	Alert in documentation. Severely.

Defect ID	Unique Defect ID		App	Severity	Likelihood	Impact	Workaround
DFiles_022	47	Datafile - Rename. Datafile name is truncated when "&" invalid character is entered in the name field	XDMS	High	High	Can lead to file name corruption, including loss of uniqueness or file extension	Alert in documentation. Severely.
DFiles_024	70	No option to select a single datafile for transfer from staging area to XDMS	XDMS	High	High	User cannot straightforwardly update or replace a single file in a dataset under XDMS	User uploads file through dummy dataset instead, and copies it across afterwards, possibly with file renaming to avoid collision error. Warning in documentation.
DSET_MD_004	91	Create Dataset Metadata (Data Collection) - Additional Metadata are displayed within UQ Metadata Editor	XDMS	High	High	Users cannot enter metadata for those crystal fields	Metadata for the xtal client is being overhauled for MDE 1.1, and client is already testing new solution. Data compromised is intended as example, so limited risk. This needs to be monitored anyway, because crystal schema is not meant to have changed at all between 1.0 and refreshed 1.0.1. WANT TO CONFIRM AND FEED BACK TO UQ
DSET_MD_005	92	Create Dataset Metadata (Data Collection) - Missing Solution Method & Radiation Nature fields within UQ Metadata Editor	XDMS	High	High	Users cannot enter metadata for those crystal fields	Metadata for the xtal client is being overhauled for MDE 1.1, and client is already testing new solution. Data compromised is intended as example, so limited risk. This needs to be monitored anyway, because crystal schema is not meant to have changed at all between 1.0 and refreshed 1.0.1. WANT TO CONFIRM AND FEED BACK TO UQ
RPT_001	98	Missing investigator field : Investigator detail is not included within report result page.	XDMS	High	High	Report does not provide explicit map of investigators to experiments	Mapping of investigator to experiments needs to be retrieved manually by inspection of individual experiments under XDMS

Defect ID	Unique Defect ID		App	Severity	Likelihood	Impact	Workaround
srch_001	100	Missing fields - Following fields are not displayed within the search page: 1. Search Comparison 2. Sort Option 3. Result limit	XDMS	High	High	Certain types of search become impossible (less than, greater than, like): HIGH severity; no control over how results are presented (page size, sorting): MEDIUM severity	No workaround; alert in documentation
srch_003	102	System does not recognise wildcard search patterns.	XDMS	High	High	wildcard searches are impossible	No workaround; alert in documentation
ACC_001	113	Testacc1 (super user) - Unable to delete datafile metadata.	XDMS	High	High	Despite being a superuser, the user is artificially blocked from doing metadata maintenance	Superuser has to defer to project admin. Needs be addressed with revision of security model under Archer 1.1
ACC_002	114	Testacc1 (super user) - [For Reextract metadata] Only fields that originally have values when uploaded into SRB are changed back to their values. The rest of the fields remained unchanged.	XDMS	High	High	User thinks that metadata has been fully reset, when in fact additional metadata is still in place	Warn in documentation that users should manually check any reextraction of metadata under MDE, and take out any user added metadata not already in file header
ACC_003	115	Testacc1 (super user) - Unable to deleted sample metadata fields.	XDMS	High	High	Despite being a superuser, the user is artificially blocked from doing metadata maintenance	Superuser has to defer to project admin. Needs be addressed with revision of security model under Archer 1.1
ACC_004	116	Testacc1 (super user) - The system displays error message "Service unavailable at the moment. Please try again later" when user search for datafile with a valid name.	XDMS	High	High	Superuser cannot do file searches at all, has misleading error message as to why, leading to pointless investigation	Warn in documentation that permissions for file searches not properly implemented, and there may be misleading error messages

Defect ID	Unique Defect ID		App	Severity	Likelihood	Impact	Workaround
ACC_013	125	Testacc3 (team Group) - User is unable to modify Dataset folder.	XDMS	High	High	Administration of artefacts becomes write-once; members of project team cannot go back and revise anything	get project admin to edit on your behalf. This can at least be justified as alternate operations model. Is intended to be fixed under Archer 1.1 revision of security model.
ACC_014	126	Testacc3 (team Group) - User is able to create a Sample is inconsistent with the Business Rules.	XDMS	High	High	Member of team group can compromise structure of experiment: deciding on samples is not (according to us) their responsibility	No workaround; alert in documentation. Is intended to be fixed under Archer 1.1 revision of security model.
SMPL_MD_02	128	Error message when saving valid sample metadata	XDMS	High	High	User misled as to whether sample metadata is valid or not.	Warn users to manually review any reports of errors under MDE; they can force save if they think they're right.
DTfiles_031	152	Ingest Datafile - Subset of metadata is displayed	XDMS	High	High	User does not get complete feedback about data extraction, is not confident that correct metadata has been extracted	Warning in documentation that display is indicative, users should open up MDE to confirm. Cf. Defect #20
DTFiles_MD_001	153	Optics Type not displayed when editing datafile metadata from an OSC file	XDMS	High	High	Users cannot enter metadata for those datafile fields	Metadata for the xtal client is being overhauled for MDE 1.1, and client is already testing new solution. Data compromised is intended as example, so limited risk. This needs to be monitored anyway, because crystal schema is not meant to have changed at all between 1.0 and refreshed 1.0.1. WANT TO CONFIRM AND FEED BACK TO UQ
DSET_011	173	Dataset: No metadata is displayed when .osc datafile is uploaded	XDMS	High	High	User does not get immediate feedback about data extraction, is not confident that correct metadata has been extracted	Warning in documentation that display is indicative, users should open up MDE to confirm. Cf. Defect #20

Defect ID	Unique Defect ID		App	Severity	Likelihood	Impact	Workaround
DSET_018	196	Compress Functionality: Missing fields Total Size of Datafiles, Total Number of Datafiles, Estimated Time fields, Compressed Size Limit and Online/Offline	XDMS	High	High	User does not have immediate audit of how many files were included in compression, how large the compressed package is, or how long it took	User needs to download compressed package and do the audit themselves
DSET_019	197	Compress Functionality: Missing Progress Meter and Log file once user selects to compress "online"	XDMS	High	High	User does not get interactive sense of how compression is going	In the absence of these features, XDMS is not delivering interactive compression, but only scheduled compression. Documentation needs to reflect that
DSET_023	201	Compress Functionality: Compressing a dataset (no associated datafiles) creates a new Dataset with an associated Datafile	XDMS	High	High	User does not get feedback that they have selected an empty dataset, which probably should not be included in the experiment package	Warn in documentation to check the compressed package afterwards for empty datasets
DSET_026	204	Compress Functionality: Compressing a dataset (with associated datafiles) renames all the datafiles to the newly created dataset name	XDMS	High	High	User may not be able to match the renamed files to the files in the original dataset for auditing, comparison with previous analyses on the originals	No workaround; warn in documentation that exporting dataset will rename files
DSET_027	205	Compress Functionality: Compressing a dataset (with associated datafiles) creates additional datafile records under the newly created dataset	XDMS	High	High	User will be confused about which files represent experimental content, and which have been added for administrative purposes by the compression (and why)	Warn in documentation that files will be added to the exported dataset for admin purposes (and find out from Steve A what they are)

Defect ID	Unique Defect ID		App	Severity	Likelihood	Impact	Workaround
DSET_029	207	Compress Functionality: Missing the ability to select "offline" and select a "Job Start Time" in the future	XDMS	High	High	There is no distinct implementation of offline and online compression: the implementation as is has offline compression, but without delayed schedule. Users not given flexibility as to when to arrange compression and relieve workload on server	Warn in documentation that scheduling modes of compression are not currently implemented.
PH_XDMS_DSET_007	M75	Modifying a Dataset does not update the "Last Modified" field	XDMS	High	High	Users cannot audit from XDMS when the dataset was last modified	Users access SRB direct to get last date of modification (contained in mCAT automatically). iCat update dates may not be captured, depending on postgres configuration
KAN_002	M83	DM003 (Export Dataset Metadata) - The trigger of "export" dataset metadata is not working.	XDMS	High	High	The trigger should now be working with the inclusion of Export Dataset functionality	Document workflow for export dataset, ensuring that dataset metadata is included in the export in a predictable location
PH_XDMS_EXP_021	M173	Field "Role" is mandatory on creation of Experiment (not specified within Use Case 92.0.1)	XDMS	High	High	Users not alerted by interface that role is compulsory	Warn in documentation.
KAN_002	M195	Rename Datafile - Integration - Re-ingest datafile is not working properly. The "reInjested" datafile is uploaded into dataset folder however, it does not replace the existing one. The originally injected datafile should be replaced by the reInjested one however, it remains in the system	XDMS	High	High	Reingest does not overwrite target file, so there is a duplicate file in the system, and users will not know which is which	Warn in documentation severely that users will need to delete file from SRB before reingesting it

Defect ID	Unique Defect ID		App	Severity	Likelihood	Impact	Workaround
PH_XDMS_STAGE_028	M213	Staging Content Transferring - Values displayed within Projects, Experiments are not being updated if changes have been made in XDMS even after user has logged out/logged back in (forced to close web browser to refresh)	XDMS	High	High	Users not aware that content has been updated on XDMS	Warn in documentation that XDMS may not refresh immediately to reflect content changes, may need to log out
KAN_002	M223	Check Staging area for Dataset - Staging Content Transfer fields are inconsistent with the Business requirements: Missing Fields are: - Dataset Type: - Dataset Status: - Dataset Description: - Sample Link (optional): Additional field: - Notification receiver(Email): *	XDMS	High	High	Users do not give enough information that the dataset will have complete metadata when the transfer is done; user has to remember to go back to XDMS and populate metadata, and other users have to be alerted that there are datasets now on XDMS without proper metadata	No workaround; alert in documentation that users must keep on top of dataset metadata, and warn other users of same datasets
KAN_002	M264	Rename datafile - The datafile has successfully renamed but the system displays both the old and the new datafile name on the left hand Pane.	XDMS	High	High	User is misled as to which are the current datafiles in the dataset	Warn users that left hand pane does not refresh promptly to reflect change in content

Defect ID	Unique Defect ID		App	Severity	Likelihood	Impact	Workaround
AU_033	M342	Search Page - Sample name has been named Crystal name within search page.	XDMS	High	High	Loss of reputation to Monash: ARCHER is at risk of being seen as crystallography-specific	Reinforce in documentation and advertising that ARCHER is intended as generic tool
AU_035	M343	Variable sample metadata element names are not yet delivered. Metadata element has not been listed under Sample Category	XDMS	High	high	User needs to type in crystal metadata search field (and know its computer-readable name from the xml schema), rather than retrieving it from a prepopulated list	No workaround; alert in documentation that users doing metadata searches must know the names of attributes as they actually appear in the template
JC034	M124	CREATE SAMPLE METADATA_Can not save template with 2,000 characters entered in Protein Sequence field	XDMS	High	Low	Cannot save metadata with a legal value for the protein sequence	At worst, manually enter required data into iCat through postgres (strongly dispreferred); alert in documentation that these long fields should be kept shorter than they are
KAN_005	M164	Download Datafile - Wording error message when user downloads a datafile to a location that does not enough space. error message displayed: "(destination address/datafilename) could not be saved, because an unknown error occurred. Try saving to a different location"	XDMS	High	Low	User does not understand why the file cannot be saved where they have selected	Alert in documentation that misleading error message can arise in this context

Defect ID	Unique Defect ID		App	Severity	Likelihood	Impact	Workaround
EXP_2908_003	8	Create experiment - Name field: No Text wrapping in the Name field when the number of characters entered is less than 255 characters	XDMS	High	Medium	Long name not readable comfortably. Do not expect long names to be common across disciplines	Warning in documentation. THIS IS NOT A FIX
DTFiles_009	34	Ingest Datafile - Description field: Field is not being updated when invalid characters are included even though a msg appears confirming that text has been saved	XDMS	High	Medium	Textual description (which users assume to be prose, and can contain punctuation) will not save even though users will assume it to be saved. Loss of content.	Warn in documentation: avoid punctuation in description fields, they should be alphanumeric only (easier to police that, than talking about the forbidden characters in a new context)
DTFiles_012	37	Ingest Datafile - The system does not recognise when file content does not match file type. Upload of file from a .doc to .img	XDMS	High	Medium	A file without metadata or relevant content is treated as having relevant content. This will disrupt metadata extraction, as well as external processes interacting with datafile. Research workflows will be disrupted as those processes fail.	This is a known risk with changing file names, as with #35; a false positive is more disruptive than a false negative, hence the higher severity. Same cautions apply as for #35. Automatic Metadata extraction for datafile should catch this problem, and can be used to verify file type as workaround; but no current way of browsing extracted metadata for all files in a dataset, so this is limited in practicality.
DTFiles_019	44	Datafile - Rename. Incorrect error msg is displayed when "%" invalid character is entered in the name field	XDMS	High	Medium	User will not understand why filename has been rejected: confusion	Make explicit the list of disallowed characters in documentation, and alert that this list overrides anything users may see while using the app.

Defect ID	Unique Defect ID		App	Severity	Likelihood	Impact	Workaround
DTFiles_021	46	Datafiles - Rename: User is unable to identify the file type when the file type is renamed	XDMS	High	Medium	Data that has had its file extension changed is no longer recognised by the system or the end user as such; applications and the external O/S cannot interact with a renamed file properly. Data mgt system provides no alert or safeguard against this happening.	Alert in documentation. Though this is possible error, it is no more disruptive than is changing file extension in O/S, so it's a risk users are already familiar with. (Catch in this instance is that other users of the data store are affected as well) Do need extra alert in documentation that changing filename in XDMS includes the file extension.
DTFiles_023	48	Datafiles - Rename: User is unable to save datafiles with the same name but different file types	XDMS	High	Medium	Users cannot save multiple versions of same file, differing by type, in same dataset	Alert in documentation. Point out that best practice is for different file types of same file to live in different datasets, as they would normally represent different transformations of the same data
EO_RTST2_001	71	A dataset can be modified to include a comma in the name field.	XDMS	High	Medium	Risk that some applications will treat comma as delimiter, and fail to read fill data set name; inconsistency with banned characters will lead to confusion with users	Reassert list of banned characters prominently to users, advocate policy block even if no application block on illegal characters
DTFiles_027	73	Datafile Date created and Date last modified does not display PM/AM time.	XDMS	High	Medium	There is ambiguity to the user on whether the time is AM or PM	User will need to get direct access to SRB to perform proper audit of times

Defect ID	Unique Defect ID		App	Severity	Likelihood	Impact	Workaround
PROJ_003	96	Create/Modify Project - error message "Insufficient privileges. Please contact your SRB administrator at srbAdmin@xdms.monash.edu.au to grant you privileges" is displayed when attempting to create project with less than 255 characters entered within Project Name field	XDMS	High	Medium	Users misled about what has gone wrong when they enter over long character; moreover, the constraint on how long a name is has been scaled back in implementation from 255 to (200?)	Warn in documentation about misleading error msgs for overlong names, and that limit is closer to 200 than 255
DSET_MD_016	163	An error message displays: "Not allow for dataset type: Other" when user is expected to have options to select a different dataset type.	XDMS	High	Medium	User is misled about status of Other dataset: Other is permissible, but has no data schema associated with it	Warn in documentation that Other dataset is legal but does not have a data schema associated, and this presents an anomaly in usage
DSET_013	175	Copying a dataset to a destination with a dataset already existing under the same name provokes a refreshed screen without action buttons.	XDMS	High	Medium	User does not know why dataset has failed to copy	Warn in documentation that using copy/move dataset to overwrite existing datasets will lead to unpredictable error messages
DSET_016	178	Incorrect error message when exceeding character length of dataset name field	XDMS	High	Medium	Users misled about what has gone wrong when they enter over long character	Warn in documentation about misleading error msgs for overlong names
DSET_024	202	Compress Functionality: No validation that the datafiles associated to Dataset have different extensions/MIME types	XDMS	High	Medium	User does not get feedback that the dataset includes temporary files which may need to be excluded from published version	Warn in documentation to audit contents of datasets before (or after) compression

Defect ID	Unique Defect ID		App	Severity	Likelihood	Impact	Workaround
DSET_025	203	Compress Functionality: No validation that the datafiles associated to Dataset are not valid (osc, img, mccd) extensions/MIME types	XDMS	High	Medium	User does not get feedback that the dataset includes temporary files which may need to be excluded from published version	Warn in documentation to audit contents of datasets before (or after) compression
DF_RNME_002	M169	Rename datafile (edit datafile) function allows for symbols in the name field	XDMS	High	Medium	File can be renamed so as to become unusable within Hermes (#43)	Warn users about using illegal characters anywhere in XDMS, including renaming
KAN_005	M103	IND007 (Search) 1. Missing field: "Sample metadata element name" 2. Missing field: "Comparison" 3. Missing Sort Option 4. Missing Result limit list option.	XDMS	High		Duplicates #100	
AU_005_Modify Dataset	M327	Create Project - Wording of the error message "A Datafile with this name already exists in the Dataset" should probably be displayed as "Dataset name is invalid, length cannot exceed 255 characters"	XDMS	High		Duplicates (in effect) M303	
EXP_2908_002	7	Create Experiment - Abstract field: No Text wrapping in the Abstract field when the number of characters entered is less than 4000 characters	XDMS	Medium	High	Abstract of any reasonable length is not readable comfortably	Cut and past into other document; is intended for export only. THIS IS NOT A FIX

Defect ID	Unique Defect ID		App	Severity	Likelihood	Impact	Workaround
EXP_2908_004	9	HTTP Status 500 error appears when refreshing saved experiment	XDMS	Medium	High	User is not confident that experiment has been saved properly, since they cannot refresh view	Have users renavigate to the experiment instead of refreshing, with suitable warning in documentation. THIS IS NOT A FIX
EXP_2908_006	11	Experiment - Sort functionality - Missing Project - Sort functionality - missing Sample - Sort functionality - missing	XDMS	Medium	High	Users cannot browse experiments, projects, samples in a sensible order	Get browse results, copy them into Excel or similar, and sort them in 3rd party tool. THIS IS NOT A FIX.
smpl_2908_005	16	CREATE SAMPLE_duplicate error message does not include 'sample name' and 'instance'	XDMS	Medium	High	Users cannot tell straightforwardly which sample record the current sample is overlapping with	Users have to manually audit samples, doing search of which samples match the name, which disrupts their workflow. THIS IS NOT A FIX
DTfiles_0109_002	20	Ingest Datafile: Inconsistent display of header data when datafile metadata is extracted upon initial upload	XDMS	Medium	High	User will not have clear sense of what metadata has been extracted	Warning in documentation that display is indicative, users should open up MDE to confirm. THIS IS NOT A FIX
Dset_0109_002	24	Dset_create_001A - "Last modified" field is not consistent (DD/MM/YY) Furthermore the default date is 1/1/70	XDMS	Medium	High	Users will have Y2K issues in backdating experiments; users will have to explicitly type in today's date	Alert in documentation; minor annoyance, and unlikely to be backdating more than 100 years
Dset_0109_005	27	Useability - Unable to select experiment folder when creating a dataset folder.	XDMS	Medium	High	Annoyance: have to manually select experiment when creating dataset	Alert in user documentation
DTFiles_011	36	Ingest Datafile - When uploading a .xlsx file, window cannot be closed.	XDMS	Medium	High	Usability annoyance	Alert in documentation.

Defect ID	Unique Defect ID		App	Severity	Likelihood	Impact	Workaround
Dfile_024	49	Additional field - Associated Packaged Datasets - within experiment detail page.	XDMS	Medium	High	Users (and I) have no idea where this button came from, or what it means	Capture in user documentation, pretend we had specified this all along. Where do the packaged datasets live? Does the button get cleared when the datasets are taken out?
Dfile_026	51	A New functionality - Package Dataset - is added to dataset details page.	XDMS	Medium	High	Users (and I) have no idea where this button came from, or what it means	Presumably, this allows again manual trigger for compressing dataset -- unless it's intended to represent packaging of multiple datasets of one experiment, in which case it's at the wrong level. Proposed procedure needs to be explicitly captured in user documentation.
GEN_010	87	Additional fields within datafile details page - Datafile lastModifiedDate & Datafile creation date	XDMS	Medium	high	Users are not told that the given fields will be present, in documentation	Amend documentation to include these new fields; they are not required by documentation, but are helpful for auditing, so we can treat them as feature not bug
DTfiles_029	88	Datafiles are not listed in any order (ie. Alphabetical) within dataset details page	XDMS	Medium	high	Annoyance: user cannot browse files in any sensible order	Get browse results, copy them into Excel or similar, and sort them in 3rd party tool. THIS IS NOT A FIX.
DSET_MD_003	90	Show Dataset Metadata - Unable to view list of metadata within dataset detail page.	XDMS	Medium	High	Users do not have obvious access to browsing metadata through XDMS	Users need to launch Edit Metadata under MDE to view the metadata
PROJ_004	97	Create/Modify Project - No text wrapping when less than 4000 char entered in the related materials field	XDMS	Medium	High	Abstract of any reasonable length is not readable comfortably	Cut and past into other document; is intended for export only. THIS IS NOT A FIX
srch_002	101	Clear functionality does clear all values	XDMS	Medium	High	Loss of reputation: user annoyance, possible wrong searches if user doesn't notice	No workaround; alert in documentation

Defect ID	Unique Defect ID		App	Severity	Likelihood	Impact	Workaround
srch_004	103	System does not specify the selected investigator name within search result	XDMS	Medium	High	Report does not provide explicit map of investigators to experiments under search results	Mapping of investigator to experiments needs to be retrieved manually by inspection of individual experiments under XDMS. (This is less critical for search results than for reports; the latter would be expected to aggregate such information for administrative purposes, whereas search is intended primarily to navigate)
srch_005	104	Unable to sort fields (i.e. experiment, sample, dataset, datafile) from the search result page.	XDMS	Medium	High	Users cannot browse experiments, projects, samples in a sensible order	Get browse results, copy them into Excel or similar, and sort them in 3rd party tool. THIS IS NOT A FIX.
srch_008	107	Additional Dataset Type (Packaged Result) has been included within Search page which inconsistency with the actual dataset types provided within Create/Modify Dataset Function	XDMS	Medium	High	Users unaware without documentation of what the new dataset type is; search encompasses compressed datasets, which introduces a level of redundancy	compressed datasets are not properly considered part of the search space; this can be treated as feature not bug, but documentation has to be updated to reflect the new dataset type
DSET_002	109	Dset_create_001A 1. "Last modified" format is not consistent (DD/MM/YY) 2. The system displayed an invalid date of 1/1/70.	XDMS	Medium	High	Users are at some risk of confusing date format; users are at some risk of leaving dataset with wrong default value	Warn in documentation to check dates when entering them, and that cannot leave date with default value

Defect ID	Unique Defect ID		App	Severity	Likelihood	Impact	Workaround
SMPL_MD_03	129	Spelling error on sample metadata confirmation message: "There are unsaved changes. Are you sure you wish to cancel and loose these changes? YES NO"	XDMS	Medium	High	Loss of reputation to Monash	Documentation would only make this worse
DTfiles_030	151	Ingest Datafile - Metadata displayed on Ingest is not available to edit	XDMS	Medium	High	User is confused about how to edit metadata	Warning in documentation that only MDE edits the extracted metadata
DTFiles_MD_003	155	Confirmation message to re-extract datafile gramatically incorrect	XDMS	Medium	High	Loss of reputation to Monash	Documentation would only make this worse
EXP_010	168	Associated Experiments are not displayed in alphabetical order but rather by creation date/time	XDMS	Medium	High	Users cannot view datafiles in a sensible order. Annoyance for eyeballing, does not look professional.	Get browse results, copy them into Excel or similar, and sort them in 3rd party tool. THIS IS NOT A FIX.
DSET_008	170	Dataset Create/ Show: Last Modified Date defaults to 01/01/70	XDMS	Medium	High	Users will have Y2K issues in backdating experiments; users will have to explicitly type in today's date	Alert in documentation; minor annoyance, and unlikely to be backdating more than 100 years
DSET_009	171	Dataset: Move & Copy pop up box Project and Experiment drop down lists are not in alphabetical order	XDMS	Medium	High	Users cannot view artefacts in a sensible order for selection. Annoyance for eyeballing, does not look professional.	No workaround; alert in documentation
DSET_010	172	Associated Datasets are not displayed in alphabetical order but rather by creation date/time	XDMS	Medium	High	Users cannot view datafiles in a sensible order. Annoyance for eyeballing, does not look professional.	Get browse results, copy them into Excel or similar, and sort them in 3rd party tool. THIS IS NOT A FIX.

Defect ID	Unique Defect ID		App	Severity	Likelihood	Impact	Workaround
DSET_012	174	Associated Datasets: Data Collection displayed as DataCollection and Solution Results displayed as Solution	XDMS	Medium	High	Annoyance: camel case looks odd in context	Documentation would only make this worse
DFiles_MD_006	182	When a datafile (OSC) is ingested into SRB not all the metadata fields are being displayed. Only the following metadata fields are displayed: chiAngle, xrayWavelength, detectorName, RAXIS detectorDistance, phiAngleStart, exposureTime, phiAngleEnd, twoTheta, detectorCurrent, omegaAngle	XDMS	Medium	High	User will not have clear sense of what metadata has been extracted	Warning in documentation that display is indicative, users should open up MDE to confirm. THIS IS NOT A FIX

Defect ID	Unique Defect ID		App	Severity	Likelihood	Impact	Workaround
DTFiles_MD_008	184	When a datafile (IMG) is ingested into SRB not all the metadata fields are being displayed. Only the following metadata fields are displayed: detectortype, sourceCurrent, twoThetaAngleEnd, detectorDistance, omegaAngleStart, chiAngleEnd, phiAngleStart, phiAngleEnd, sourceWavelength, sourceVoltage, omegaAngleEnd, chiAngleStart, exposureTime, twoThetaAngleStar	XDMS	Medium	High	User will not have clear sense of what metadata has been extracted	Warning in documentation that display is indicative, users should open up MDE to confirm. THIS IS NOT A FIX
DSET_021	199	Compress Functionality: Confirmation message does not include total time taken and the number of compressed files	XDMS	Medium	High	User does not have immediate audit of how many files were included in compression, or how long it took	User need to open compressed package to confirm that the files are as they should be
DSET_022	200	Compress Functionality: Compressed datafile details include a field "DataFile Size" which is displayed in bytes rather than in gigabytes	XDMS	Medium	High	User may be confused as to what the precise size of the dataset is	Because file listings in bytes are common in file listings, this needs only a warning in documentation

Defect ID	Unique Defect ID		App	Severity	Likelihood	Impact	Workaround
DSET_028	206	Compress Functionality: Additional functionality of editing, deleting, moving/copying, uploading and downloading datafiles within the compressed dataset not specified within use case 98.0.9	XDMS	Medium	High	Unanticipated functionality not covered off in documentation	So long as the added functionality works, add it to documentation, with warning that it is untested
PH_XDMS_DSET_024	M176	Depending on which Delete Dataset option is selected (right click select Delete Dataset or within Dataset select Delete Dataset button) the system behaves differently	XDMS	Medium	High	Annoyance: usability inconsistency	Warning in documentation.
PH_XDMS_STAGE_031	M215	Staging Content Transferring - Data selected is cleared when validation occurs on "Transfer File" button for not providing Notification receiver (Email) field value	XDMS	Medium	High	Usability annoyance: user needs to reenter all data (and remember what the data was), whenever they mistakenly omit email	No workaround; alert in documentation
AU_020	M280	Wording of error message "the dirName 'datafilename.img' is containing some invalid characters," should probably read as " The dirName 'datafilename.img' is containing some invalid characters,"	XDMS	Medium	High	Annoyance: unclear error message	Reinforce illegal character message in documentation

Defect ID	Unique Defect ID		App	Severity	Likelihood	Impact	Workaround
EO_RTST_003	M307	Spelling error in dataset metadata error message.	XDMS	Medium	High	Loss of reputation to Monash	Metadata for the xtal client is being overhauled for MDE 1.1. Data compromised is intended as example, so limited risk.
KH_DF_001	M335	ING003 - Wording of error message is inconsistent with the Business Rules 'Datafile name already exists within this dataset. File not uploaded'	XDMS	Medium	High	Small risk of user confusion	No workaround required
RPT_002	99	Missing warning message "the value entered is not valid" shown within Experiment field	XDMS	Medium	Low	User misled about what has been misentered if both project and experiment mis-entered under report	Warn users to use pulldown menus consistently
GEN_2908_002	2	Intermittent "MyProxy get failed error occurring" when login is initiated	XDMS	Medium	Medium	Annoyance, needing to redo operations. Information on SRB will not be lost.	Warning in documentation. This is likely to be misconfiguration. THIS IS NOT A FIX.
GEN_2908_005	5	Intermittent "Error while connecting to SRB:GSI Authentication failed" appearing when selecting projects	XDMS	Medium	Medium	Annoyance, needing to redo operations. Information on SRB will not be lost.	Warning in documentation. This is likely to be misconfiguration. THIS IS NOT A FIX.
DTFiles_008	33	Ingest Datafile - Error msg is displayed when navigating to datafile via the right pane and the datafile name includes " ' "	XDMS	Medium	Medium	Users cannot navigate to artefacts containing apostrophe when using right hand pane. Inconsistent error response, annoyance in product.	Alert in documentation: if path to final object contains object with name containing apostrophe, will need to navigate using left hand not right hand pane.

Defect ID	Unique Defect ID		App	Severity	Likelihood	Impact	Workaround
DTFiles_010	35	Ingest Datafile - The system does not recognise when file content does not match file type. Upload of file from a .img to .doc	XDMS	Medium	Medium	Data that has had its file extension changed is no longer recognised by the system as such; applications and the external O/S cannot interact with a renamed file properly. Data mgt system provides no alert or safeguard against this happening.	Alert in documentation. Though this is possible error, it is no more disruptive than is changing file extension in O/S, so it's a risk users are already familiar with. Do need extra alert in documentation that changing filename in XDMS includes the file extension.
DTFiles_013	38	Datafiles - Missing functionality : Update Comments field	XDMS	Medium	Medium	Comments are not being differentiated from descriptions of files: the one field needs to be used for both. Can limit the kinds of searches users do (although that presupposes lab has agreed on consistent distinction between descriptions and comments)	Alert in documentation that in current release, description field has to serve for user comments as well.
DTFiles_016	41	Datafiles - Missing functionality : Sort datafile	XDMS	Medium	Medium	Users cannot browse datafiles in a sensible order	Get browse results, copy them into Excel or similar, and sort them in 3rd party tool. THIS IS NOT A FIX.
DTFiles_020	45	Datafile - Rename - System not recognising datafiles with the same name when the only difference in names is the use of caps	XDMS	Medium	Medium	Users will accidentally create duplicate objects differing in case, which other facets of XDMS do not distinguish between. Users and systems will not know which instance of the file is which.	Alert in documentation: must eyeball for existing files before renaming files, including potential conflation by case.
Dfile_025	50	Missing useability - Unable to make multiple selection on datafiles upon performing "download datafile" function	XDMS	Medium	Medium	Users cannot download multiple datafiles through XDMS	Alert in documentation: multiple datafiles should only be downloaded in HERMES or equivalent, XDMS only allows single datafile download. This is consistent with overall ARCHER thinking.
Dfile_027	52	Datafiles are not listed in any order (ie. Alphabetical) within dataset details page	XDMS	Medium	Medium	Users cannot view datafiles in a sensible order. Annoyance for eyeballing, does not look professional.	Get browse results, copy them into Excel or similar, and sort them in 3rd party tool. THIS IS NOT A FIX.

Defect ID	Unique Defect ID		App	Severity	Likelihood	Impact	Workaround
GEN_006	56	Intermittent "MyProxy get failed" when login is initiated. Error msg not user frie	XDMS	Medium	Medium	Annoyance, needing to redo operations. Information on SRB will not be lost.	Warning in documentation. This is likely to be misconfiguration. THIS IS NOT A FIX.
DFiles_025	57	Datafile - Move: No error msg is displayed when a move datafile is initiated to the same dataset	XDMS	Medium	Medium	Users will likely have selected the wrong destination dataset, and not become aware immediately that no move has happened.	Warning in documentation.
DFiles_028	59	Datafiles: Copy: Unable to rename a datafile when copying it	XDMS	Medium	Medium	Users cannot avoid collision with existing file with same name in target directory	User renames file before copying it. Warn in documentation.
DSET_MD_006	93	Create Dataset Metadata (Other) - Unable to view metadata list for Dataset type: Other upon clicking Edit Dataset Xtal Metadata	XDMS	Medium	Medium	Users will not be able to enter or view metadata for Other type, and will not know why	By definition, there is no dfined schema corresponding to Other: warn users in documentation that if they know what schema should be used for a dataset, they must define a corresponding data schema in configuration
DSET_MD_008	95	Delete All Metadata - Missing Delete All Metadata Functionality	XDMS	Medium	Medium	Users cannot delete all data and start from scratch	Document that reextract data should be used instead. Alternatively, delete fields one at a time, which is really annoying.
DSET_014	176	Attempting to move a dataset linked to a sample provokes an error message	XDMS	Medium	Medium	User cannot move dataset without deleting its link to a sample themselves; since link should be lost anyway, this results in inconvenience to user	Warn in documentation that under current release, only those datasets can be moved or copied which are not associated with a sample, and users will need to delete links explicitly
DSET_017	179	Functunality missing to update comments to dataset	XDMS	Medium	Medium	Comments are not being differentiated from descriptions of files: the one field needs to be used for both. Can limit the kinds of searches users do (although that presupposes lab has agreed on consistent distinction between descriptions and comments)	Alert in documentation that in current release, description field has to serve for user comments as well.

Defect ID	Unique Defect ID		App	Severity	Likelihood	Impact	Workaround
DF_RNME_003	M170	Error message is not correct Expected result: "Only characters <list> are permitted in the name" Actual result: "invalid datafile name"	XDMS	Medium	Medium	User not fully informed about how to fix malformed names	Warn in documentation explicitly about illegal characters
EXP_2908_009	14	Create/ Modify Experiment: Topic list displayed in XDMS is not consistent with requirements: 1 Health Science, 2 Biomedicine, 3. Molecular Biology, 4 Protein crystallography	XDMS	Low	High	Users cannot enter the topics as initially specified into experiments (they are seeing ARCHER examples of protein topics instead of the broad headings initially specified)	List was only ever intended as example, real deployments would need much more exhaustive list than given
Dset_0109_003	25	Upper case letters are not available when creating dataset folder.	XDMS	Low	High	User cannot enter case sensitive names	Alert in documentation that names are case insensitive, and this is enforced
DTFiles_007	32	Ingest Datafiles: No error msg " only types of <OSC, IMG, MCCD> are valid in this dataset. File not uploaded." appears when attempting to upload a .xls file	XDMS	Low	High	Users can upload arbitrary files into dataset	Have decided not to restrict data files on ingest (June gap analysis, #221), so the use case alternate flow is obsolete
DTFiles_017	42	Datafiles: Rename. Error msg pop up window does not clear data upon closure	XDMS	Low	High	Annoyance: user has to manually clear incorrect data entry once it has been found to be incorrect	Could Alert in documentation, but minor and obvious enough not to be necessary
GEN_009_duplicate	49	Additional field - Associated Packaged Datasets - within experiment detail page.	XDMS	Low	High	User will not understand the function of the new button	Document the new functionality for exporting experiments to explain this functionality

Defect ID	Unique Defect ID		App	Severity	Likelihood	Impact	Workaround
DSET_003	110	Upper case letters are defaulted to smaller case when a new dataset folder is saved.	XDMS	Low	High	User is surprised at case change, does not expect it. Behaviour addresses valid concern of case insensitivity (though in an inelegant fashion)	Warning in documentation.
ACC_008	120	Testacc2(Admin User) - User is unable to Delete Dataset folder. An error message displays: You are not authorised to perform this action. Kindly contact the SRB administrator at srbAdmin@xdms.monash.edu.au	XDMS	Low	High	Not a defect: deletion is meant to be restricted to Team Leader for all artefacts	
DSET_020	198	Compress Functionality: Online compression should not have email notification	XDMS	Low	High	User receives email notification in unexpected context of compression: online compression is supposed to happen interactively	This is not harmful (it sidesteps interactive notion of online compression, but that is not core requirement so would prefer to leave as is
DTFiles_006	31	Datafiles: Firefox v3.0 - Metadata Editor Calendar widget not functioning	XDMS	Low	Low	Users on Firefox 3 cannot schedule events in lab or respond to others' scheduled events	Use Firefox 2. Firefox 3 is not SOE. Alert explicitly in documentation. Note that calendaring is not mission critical functionality, and environments committed to Firefox 3 can use alternate calendar software (though this prevents direct integration with PLONE)
Gen_007	58	Datafile - Move: Firefox 3.0 (only) list of Projects/Experiments and datasets not available in the move / copy box for datafiles	XDMS	Low	Low	Users on Firefox 3 cannot move or copy datafiles	Use Firefox 2. Firefox 3 is not SOE. Alert explicitly in documentation.

Defect ID	Unique Defect ID		App	Severity	Likelihood	Impact	Workaround
Gen_008	85	The Topic drop down list in the Experiment has 2 duplicates values: 1. D12.776.124.727.350: Methemalbumin 2. D12.776.034.841.450: Prealbumins	XDMS	Low	Low	User will not retrieve all entries tagged with a given topic, because they may be tagged with the distinct duplicate topic instead	Topic list has been misconfigured; alert in developer documentation that there is no configuration check on topics, so they will need to be human checked instead
DTfiles_028_duplicate	50	Missing Functionality - Unable to make multiple selection on datafiles upon performing "download datafile" function	XDMS	Low	Medium	User cannot download multiple files in XDMS: they cannot download only individual files	Because of the constraints on web browser bandwidth, the constraint is appropriate, and has been (or should be) documented: users must use HERMES to do any bulk download
DSET_030	208	Publish Functionality: Unable to publish uncompressed dataset	XDMS	Low		Not a defect: publishing presupposes compression	
DSET_031	209	Publish Functionality: Inability to select datasets across multiple experiments	XDMS	Low		Not a defect: publishing functionality is restricted to one experiment at a time	
Dset_0109_006	28	Inconsistent error message. For dataset name, the following characters are illegal: [] { } () * ? ! @ # \$ % & = + , < > \ / ~ ` ; : " .	XDMS				
DTFiles_014	39	Datafiles - Edit Datafile: When editing the datafile description field an Error msg is displayed while committing the transaction	XDMS			MORE INFORMATION REQUIRED	
DSET_004	111	Unable to select experiment folder when creating a dataset folder.	XDMS			Duplicates #27	

Defect ID	Unique Defect ID		App	Severity	Likelihood	Impact	Workaround
GEN_011	112	The security code is not refreshed after user has been kicked out of XDMS due to session timed out.	XDMS			Duplicates #29	
GEN_012	150	The Staging Content Transfer is not working. The system displays an error message: Directory does not exist	XDMS			Duplicates #70	
DTFiles_MD_002	154	ReExtracting a datafile does not reset an added value that was extracted as blank.	XDMS			Duplicates #114	
DSET_MD_017	164	The metadata is saved when user has confirmed not to save the new value entered in the field.	XDMS			Duplicates #94	
DSET_MD_019	166	The button "Export Dataset metadata" is not existed.	XDMS			Not a defect: button is called "Package metadata" instead (#51)	
DSET_007	169	Associated Dataset displays "Data Collection" as "DataCollection"	XDMS			Duplicates #174	
DTFiles_MD_004	180	ReExtracting an OSC datafile does not reset an added value that was extracted as blank.	XDMS			Duplicates #114	
DTFiles_MD_015	191	ReExtracting an OSC datafile does not reset an added value that was extracted as blank.	XDMS			Duplicates #114	

Defect ID	Unique Defect ID		App	Severity	Likelihood	Impact	Workaround
JC073	M242	CHECK ACCESS_User: testacc2 CAN NOT MODIFY PROJECT information.	XDMS			Duplicates #117	
JC075	M244	CHECK ACCESS_User: testacc2 CAN NOT MODIFY EXPERIMENT information.	XDMS			Duplicates #118	
JC076	M245	CHECK ACCESS_User: testacc2 CAN NOT MODIFY, COMPRESS or PUBLISH DATASET information.	XDMS			Duplicates #119	
JC079	M255	CHECK ACCESS_User: testacc2 CAN NOT CREATE, MODIFY, RENAME and COMMENT at DATAFILE LEVEL	XDMS			Duplicates #122	
JC080	M256	CHECK ACCESS_User: testacc2 CAN NOT DELETE a DATAFILE	XDMS			Duplicates #122	
JC081	M257	CHECK ACCESS_User: testacc2 CAN NOT CREATE, INSERT, UPDATE, MODIFY, DELETE or RE-EXTRACT any DATAFILE METADATA	XDMS			Duplicates #123	
JC083	M259	CHECK ACCESS_User: testacc2 CAN NOT CREATE MODIFY or DELETE SAMPLE METADATA, EXCEPT immediately after SAMPLE creation	XDMS			Duplicates #124	

Defect ID	Unique Defect ID		App	Severity	Likelihood	Impact	Workaround
KH_DF_007	M322	Re-Extract Metadata - Conditional Failed. All the fields that are not default remain unchanged after the metadata has been re-extracted.	XDMS			Duplicates #114	
EO_RTST_012	M339	Searching by valid metadata elements does not return a result.	XDMS			Duplicates #105	