
Integrating the Healthcare Enterprise

**IHE/MESA Test Tools Release
Notes**

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7-April-2006

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1 Version 9.10.5: 7-Apr-2006

1.1 Open Bug Reports on MESA Bug System

Bug	Resolution
9	The software for tests 505 and 506 are both incomplete and will be incomplete with the 5.5.0 release. We have updated the documentation to make this more clear. We will complete the test software and correct the documentation in a future release.
21	MESA SR evaluation has difficulty when the tools encounter extra content items. To be repaired during Y5 development process.
33	Report creator test 1511 is incomplete
64, 65	Will be fixed as part of the process of changing scripts to use a common test engine rather than individual scripts.
67	Part of IHE-Europe extensions. We need to work with IHE-Europe to add as part of the baseline distribution.
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147	Display test 10143 is not implemented. This will be addressed in a later release.
153	Need some further help from the system performing the test.
157	NM Evidence Creator tests are not ready
160	Order Filler test 100 is deferred
164	No stress echo test data
170	Waiting for feedback from issuer
181	Error message about modalities in study is misleading, but this will not be fixed until after Jan, 2005.
183	Image Manager test 111 is not implemented and will not be implemented before Jan, 2005.
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212	Error when testing ADT A04 for ID Source
214	Modality test 1305 missing
215	PDC Test 11330 is not implemented
219	Need to implement Reliable Syslog. That will not happen until at least May 2005.
220	Needs to be removed or redefined. There is no ATNA event defined for System configuration.
221	Eric Poiseau cannot post bugs to bugzilla system
223	test spec for 10144 - RID/ECG
226	incorrect implementation of type handling RID 10142, 10144, 1
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242	Need to update Modality tests to not assume automated protocol handling
243	Accept field is ambiguous in TF. Need CP resolution to close this issue.
246	Need some additional feedback from the user.
298	Installation of RIS Mail
299	MESA test #281 DICOM servers need to support more SOP class
300	Note for next year – ED – CARD 1402 – 1404
306	Trouble with DVT 2.1 (test 283)
308	PID Segment is HL7 v2.4 and not v.2.3.1
310	Secure Node tests – 1221 etc. not responding to initial client
311	MESA Scripts need better logging when they have configuration
314	Order Filler evaluation for 132 flawed
315	MESA 2006 - add EC actor to Rad SWF and Card Cath and Echo
316	cmove proposes Storage SOP Classes to Q/R SCP Service and re
323	NAV test 12903 - something wrong with using the scheme file?
324	NAV signature xml file can not be validated – 12903

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326	xds_ms_doc_source test 12503 is missing. Will be added in a later cycle; will not be ready in Dec 05
328	Typos in Image Display Consistency tests VLUT_08, VLUT_P10
329	MESA test 103 , use different AE titles ?
330	Modality PGP Test 106 is flawed
331	MESA 8.8.3 , Test 111 not work's
333	Evaluation problem, but this may be a configuration issue at the user's site.
334	Schematron issue: need to resolve namespace issue
349	tls handshake error
350	eval_client_1222.pl uses last_log.txt instead of last_log.xml
351	test 1223 not ready for IETF schema
354	Display 20309 - Mesa information source sends incorrect resp; attached a jar file with extra debugging information to try to find the MESA bug.
355	Display 10146 not ready with this software release; needs to be updated and corrected; will not be completed in December, 05
356	TAG is not respected by the syslog server - test 11101; need to repair MESA syslog server and manage the TAG data; also need to construct a test for Audit Record Repositories to see if they can take that data.
357	OF 111 Fails to send gpwl query to itself
358	Eval_20530 failes since SOP Instance UID has spaces: The real issue is that MESA should not accept DICOM Composite objects with bad UIDs; will repair MESA servers to reject those objects before we ever get to evaluation scripts.
359	IETF Audit record schema is inconsistent
360	20530 - double quotes needed: The real issue is that MESA should not accept DICOM Composite objects with bad UIDs; will repair MESA servers to reject those objects before we ever get to evaluation scripts.
361	CSR validation tool returns false negatives
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367	Problems with the hl7_rcvr
369	Connectathon test issue - CARD- DRPT test case
371	Problem with ACKA28
372	Image manager test 111 is blocked and there no eval
373	Runtime scripts should test to make sure database is running
378	Evaluation ADT 103: MESA expectation for PV1 data in A08 is likely flawed. Need resolution from the Radiology Technical Committee.
379	Problem with radiology test 107 Referred questions back to the submitter.
381	Test 131 PID-7 check too restrictive
382	Tests 103: PID-10 is R2 in ADT messages
383	mesa_xml.pm problems Our JAVA runtime environment and documentation need repair.

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384	testscript 1701 (imgmgr_swf.pl 1701) failes in TRANSACTION 1 Waiting for feedback from submitter; we think this was solved in a previos release.
385	Img Mgr Test 411: Time format check too restrictive
388	2 byte char test, and other funky characters (Japanese characters are tested; we do need to add tests for European names).
390	imgmgr/134/eval_134.pl prompts "MESA IAN directory does not
391	Media Creator Tests fails under Linux/Unix with pure ISO9660
393	Tests 103, 107, 20106: ERR: MSH 4 Sending Facility, test val
394	Test 20106: ERR: MSH 5 Receiving Application, test value doe
395	Test 103, 107, 20106: MSH 6 Receiving Facility, test value d
396	Tests 103, 20106: ERR: PID 5 Patient Name, test value does n
397	Test 20106: ERR: OBR 4 Universal Service ID, test value doe
398	Tests 20101, 20102, 20106 (and maybe others): DSS_MESA vs. E
402	Test 20101: [RAD-4] is expected too late. Referred back to issuer for claification.
404	Tests 103, 20106: ERR: PID 3 Patient ID, test value does not
405	Test 103: PID-18, Fields do not match
408	MESA Test 2031- there are no ecg documents
409	Error in evaluation of test 604 Referred back to submitter for more details.
410	NMI Profile, Acq. Modality Actor, test 283, STATIC Image, D Asked submitter to log bug at www.dvtk.org
411	NMI Profile, Acq. Modality Actor, test 283, TOMO Image, DVT Asked submitter to log bug at www.dvtk.org
412	NMI Profile, Acq. Modality Actor, test 283, GATED TOMO Imag Asked submitter to log bug at www.dvtk.org
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414	NMI Profile, Acq.Modality Actor,Tests 2210-2217 - No script
416	The evaluation script of the 11143 (ATNA certificate exchang
418	Empty WLM query requires as result a date somewhere in the p Asked submitter for further clarification.
419	PDQ 13311 - Inconsistency between test and evaluation Probably a MESA runtime error; not an evaluation error
420	Eval script for test case 20520 / No URL in grade_20520.txt Sent request to submitter for followup information
421	Wrong interpretation of empty name fields in DICOM messages Asked for followup data from the submitter;
422	Time in HL7-datetime-objects has to be accepted All SWF and other scripts need to be updated to insert the current date/time. Otherwise, systems are expected to work in the past or future.
423	Documentation ("IHE Tests: Radiology Transaction Sequence" a Test documentation is incomplete and should be generated from the test data so they remain consistent. This is a

	longer term effort.
425	Image Creator Test 1412: PWF CT: internal error
426	Report Creator Test 1601: Internal failure
427	Report Creator RWF test 1602: internal failure

1.2 Bugs Listed/Fixed on MESA Bug System

Bug	Resolution
428	In test 153, adding missing variables to the appointment notification message.

1.3 Other Updates

1. In tests 151, 152, 153, changed the value in the appointment messages of Entered By to ^ROSEWOOD^RANDOLPH to be consistent with other Order Filler messages.

2 Version 9.10.4: 31-Mar-2006

2.1 Open Bug Reports on MESA Bug System

Bug	Resolution
9	The software for tests 505 and 506 are both incomplete and will be incomplete with the 5.5.0 release. We have updated the documentation to make this more clear. We will complete the test software and correct the documentation in a future release.
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33	Report creator test 1511 is incomplete
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300	Note for next year – ED – CARD 1402 – 1404
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2.2 Bugs Listed/Fixed on MESA Bug System

Bug	Resolution
392	Test 20106, 103 (and other tests): ERR: ORC 3: Filler Order; Corrected the allowed length of Filler Order Number to 22 characters.
397	Repaired Code Tables document to reflect what is implemented in the tests.
399	Test 20101: Test for equivalence of attribute: 0032 1032 Duplicate of 288 repaired in 9.10.0
400	Test 20101: Test for equivalence of attribute: 0010 0010
401	Test 20101: "XR Left Heart Cath" as ScheduledProcedureStepDe Repaired as XA Left Heart Cath
403	Tests 103, 107 (probably others): ERR: ORC 3: Filler Order Don't agree with the issuers interpretation of the TF; referred the question back to the Radiology Tech Committee
406	Test 103: PID-7, fields do not match Test 103 is written such that the sending system is required to send an empty birthdate. It is a test feature.
407	Test 103: Attribute 0010 0030 does not match <test> <std>. Test 103 is written such that the sending system is required to send an empty birthdate. It is a test feature.
415	CRTHREE dataset has invalid pixel aspect. Modified the load script to remove 0028 0034 from the data set for CRTHREE.
417	An informationsystem for the cathlab is not responsible for Marked as INVALID; this is a committee/TF issue and not a MESA test issue.
424	Test 133: ADT^A40 expects wrong MSH-9 in ACK messag; Repaired previously in 9.10.2

2.3 Other Updates

1.

3 Version 9.10.3: 24-Mar-2006

3.1 Open Bug Reports on MESA Bug System

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356	TAG is not respected by the syslog server - test 11101;need to repair MESA syslog server and manage the TAG data; also need to construct a test for Audit Record Repositories to see if they can take that data.
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358	Eval_20530 failes since SOP Instance UID has spaces: The real issue is that MESA should not accept DICOM Composite objects with bad UIDs; will repair MESA servers to reject those objects before we ever get to evaluation scripts.
359	IETF Audit record schema is inconsistent
360	20530 - double quotes needed: The real issue is that MESA should not accept DICOM Composite objects with bad UIDs; will repair MESA servers to reject those objects before we ever get to evaluation scripts.
361	CSR validation tool returns false negatives
362	XDS-MS validation tool reports false negatives
366	PD_SUPPLIER TC 11365 appears to hang
367	Problems with the hl7_rcvr
369	Connectathon test issue - CARD- DRPT test case
371	Problem with ACKA28
372	Image manager test 111 is blocked and there no eval
373	Runtime scripts should test to make sure database is running
378	Evaluation ADT 103: MESA expectation for PV1 data in A08 is likely flawed. Need resolution from the Radiology Technical Committee.
379	Problem with radiology test 107 Referred questions back to the submitter.
381	Test 131 PID-7 check too restrictive

382	Tests 103: PID-10 is R2 in ADT messages
383	mesa_xml.pm problems Our JAVA runtime environment and documentation need repair.
384	testscript 1701 (imgmgr_swf.pl 1701) failes in TRANSACTION 1 Waiting for feedback from submitter; we think this was solved in a previos release.
385	Img Mgr Test 411: Time format check too restrictive
388	2 byte char test, and other funky characters (Japanese characters are tested; we do need to add tests for European names).

3.2 Bugs Listed/Fixed on MESA Bug System

Bug	Resolution
386	Repaired the content of the S15 message in test 153. The message type was erroneously recorded as S12.
387	The prior version added a variable to the imgmgr_test.cfg file. That variable was wrong and should not have been added. We corrected the scripts to use the defined variables for the Image Manager under test.
389	Repaired the text value associated with DICOM code 121049. We cannot spell the word Descendant without looking it up.

3.3 Other Updates

1. Added Image Manager tests for Image Managers that are in Cardiology and only support US and NM data. Refer to the Image Manager instructions for changes to tests 401 – 405.

4 Version 9.10.2: 20-Mar-2006

4.1 Open Bug Reports on MESA Bug System

Bug	Resolution
9	The software for tests 505 and 506 are both incomplete and will be incomplete with the 5.5.0 release. We have updated the documentation to make this more clear. We will complete the test software and correct the documentation in a future release.
21	MESA SR evaluation has difficulty when the tools encounter extra content items. To be repaired during Y5 development process.
33	Report creator test 1511 is incomplete
64, 65	Will be fixed as part of the process of changing scripts to use a common test engine rather than individual scripts.
67	Part of IHE-Europe extensions. We need to work with IHE-Europe to add as part of the baseline distribution.
68	Part of IHE-Europe extensions. We need to work with IHE-Europe to add as part of the baseline distribution.
71	Waiting for feedback from the person who issued the report.
72	User requested other transfer syntaxes for MESA servers.
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144	ITI test 10133 is not implemented. This will be addressed in a later release.
147	Display test 10143 is not implemented. This will be addressed in a later release.
153	Need some further help from the system performing the test.
157	NM Evidence Creator tests are not ready
160	Order Filler test 100 is deferred
164	No stress echo test data
170	Waiting for feedback from issuer
181	Error message about modalities in study is misleading, but this will not be fixed until after Jan, 2005.
183	Image Manager test 111 is not implemented and will not be implemented before Jan, 2005.
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198	Tests 151, 152, 153 were not included. 151 was added; 152 and 153 still require work.
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205	Need to rethink tests 10145 and 10146. IE always wants to send */* in the accept field, so it is hard to force a failure by configuring to only accept JPEG or PDF documents.
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212	Error when testing ADT A04 for ID Source
214	Modality test 1305 missing
215	PDC Test 11330 is not implemented
219	Need to implement Reliable Syslog. That will not happen until at least May 2005.

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220	Needs to be removed or redefined. There is no ATNA event defined for System configuration.
221	Eric Poiseau cannot post bugs to bugzilla system
223	test spec for 10144 - RID/ECG
226	incorrect implementation of type handling RID 10142, 10144, 1
235	
242	Need to update Modality tests to not assume automated protocol handling
243	Accept field is ambiguous in TF. Need CP resolution to close this issue.
246	Need some additional feedback from the user.
298	Installation of RIS Mail
299	MESA test #281 DICOM servers need to support more SOP class
300	Note for next year – ED – CARD 1402 – 1404
306	Trouble with DVT 2.1 (test 283)
308	PID Segment is HL7 v2.4 and not v.2.3.1
310	Secure Node tests – 1221 etc. not responding to initial client
311	MESA Scripts need better logging when they have configuration
314	Order Filler evaluation for 132 flawed
315	MESA 2006 - add EC actor to Rad SWF and Card Cath and Echo
316	cmove proposes Storage SOP Classes to Q/R SCP Service and re
323	NAV test 12903 - something wrong with using the scheme file?
324	NAV signature xml file can not be validated – 12903
326	xds_ms_doc_source test 12503 is missing. Will be added in a later cycle; will not be ready in Dec 05
328	Typos in Image Display Consistency tests VLUT_08, VLUT_P10
329	MESA test 103 , use different AE titles ?
330	Modality PGP Test 106 is flawed
331	MESA 8.8.3 , Test 111 not work's
333	Evaluation problem, but this may be a configuration issue at the user's site.
334	Schematron issue: need to resolve namespace issue
349	tls handshake error
350	eval_client_1222.pl uses last_log.txt instead of last_log.xml
351	test 1223 not ready for IETF schema
354	Display 20309 - Mesa information source sends incorrect resp; attached a jar file with extra debugging information to try to find the MESA bug.
355	Display 10146 not ready with this software release; needs to be updated and corrected; will not be completed in December, 05
356	TAG is not respected by the syslog server - test 11101; need to repair MESA syslog server and manage the TAG data; also need to construct a test for Audit Record Repositories to see if they can take that data.
357	OF 111 Fails to send gpwl query to itself

358	Eval_20530 failes since SOP Instance UID has spaces: The real issue is that MESA should not accept DICOM Composite objects with bad UIDs; will repair MESA servers to reject those objects before we ever get to evaluation scripts.
359	IETF Audit record schema is inconsistent
360	20530 - double quotes needed: The real issue is that MESA should not accept DICOM Composite objects with bad UIDs; will repair MESA servers to reject those objects before we ever get to evaluation scripts.
361	CSR validation tool returns false negatives
362	XDS-MS validation tool reports false negatives
366	PD_SUPPLIER TC 11365 appears to hang
367	Problems with the hl7_rcvr
369	Connectathon test issue - CARD- DRPT test case
371	Problem with ACKA28
372	Image manager test 111 is blocked and there no eval
373	Runtime scripts should test to make sure database is running
378	Evaluation ADT 103: MESA expectation for PV1 data in A08 is likely flawed. Need resolution from the Radiology Technical Committee.
381	Test 131 PID-7 check too restrictive
382	Tests 103: PID-10 is R2 in ADT messages
383	mesa_xml.pm problems
384	testscript 1701 (imgmgr_swf.pl 1701) failes in TRANSACTION 1
385	Img Mgr Test 411: Time format check too restrictive

4.2 Bugs Listed/Fixed on MESA Bug System

Bug	Resolution
380	Added configuration data to accept ACK^A01, ACK^A03, ACK^A08 messages. Previous versions just expected "ACK" HL7 responses in the MSH, or a more limited set (e.g. ACK^A28)

4.3 Other Updates

1. Added tests 131US and 132US. These are repeats of 131 and 132, but using Ultrasound data rather than MR.
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5 Version 9.10.1: 13-Mar-2006

5.1 General Information Concerning 9.10.0

5.2 Open Bug Reports on MESA Bug System

Bug	Resolution
9	The software for tests 505 and 506 are both incomplete and will be incomplete with the 5.5.0 release. We have updated the documentation to make this more clear. We will complete the test software and correct the documentation in a future release.
21	MESA SR evaluation has difficulty when the tools encounter extra content items. To be repaired during Y5 development process.
33	Report creator test 1511 is incomplete
64, 65	Will be fixed as part of the process of changing scripts to use a common test engine rather than individual scripts.
67	Part of IHE-Europe extensions. We need to work with IHE-Europe to add as part of the baseline distribution.
68	Part of IHE-Europe extensions. We need to work with IHE-Europe to add as part of the baseline distribution.
71	Waiting for feedback from the person who issued the report.
72	User requested other transfer syntaxes for MESA servers.
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144	ITI test 10133 is not implemented. This will be addressed in a later release.
147	Display test 10143 is not implemented. This will be addressed in a later release.
153	Need some further help from the system performing the test.
157	NM Evidence Creator tests are not ready
160	Order Filler test 100 is deferred
164	No stress echo test data
170	Waiting for feedback from issuer
181	Error message about modalities in study is misleading, but this will not be fixed until after Jan, 2005.
183	Image Manager test 111 is not implemented and will not be implemented before Jan, 2005.
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192	
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198	Tests 151, 152, 153 were not included. 151 was added; 152 and 153 still require work.
199	
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205	Need to rethink tests 10145 and 10146. IE always wants to send */* in the accept field, so it is hard to force a failure by configuring to only accept JPEG or PDF documents.
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212	Error when testing ADT A04 for ID Source
214	Modality test 1305 missing
215	PDC Test 11330 is not implemented
219	Need to implement Reliable Syslog. That will not happen until at least May 2005.
220	Needs to be removed or redefined. There is no ATNA event defined for System configuration.
221	Eric Poiseau cannot post bugs to bugzilla system
223	test spec for 10144 - RID/ECG
226	incorrect implementation of type handling RID 10142, 10144, 1
235	
242	Need to update Modality tests to not assume automated protocol handling
243	Accept field is ambiguous in TF. Need CP resolution to close this issue.
246	Need some additional feedback from the user.
298	Installation of RIS Mail
299	MESA test #281 DICOM servers need to support more SOP class
300	Note for next year – ED – CARD 1402 – 1404
306	Trouble with DVT 2.1 (test 283)
308	PID Segment is HL7 v2.4 and not v.2.3.1
310	Secure Node tests – 1221 etc. not responding to initial client
311	MESA Scripts need better logging when they have configuration
314	Order Filler evaluation for 132 flawed
315	MESA 2006 - add EC actor to Rad SWF and Card Cath and Echo
316	cmove proposes Storage SOP Classes to Q/R SCP Service and re
323	NAV test 12903 - something wrong with using the scheme file?

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324	NAV signature xml file can not be validated – 12903
326	xds_ms_doc_source test 12503 is missing. Will be added in a later cycle; will not be ready in Dec 05
328	Typos in Image Display Consistency tests VLUT_08, VLUT_P10
329	MESA test 103 , use different AE titles ?
330	Modality PGP Test 106 is flawed
331	MESA 8.8.3 , Test 111 not work's
333	Evaluation problem, but this may be a configuration issue at the user's site.
334	Schematron issue: need to resolve namespace issue
349	tls handshake error
350	eval_client_1222.pl uses last_log.txt instead of last_log.xml
351	test 1223 not ready for IETF schema
354	Display 20309 - Mesa information source sends incorrect resp; attached a jar file with extra debugging information to try to find the MESA bug.
355	Display 10146 not ready with this software release; needs to be updated and corrected; will not be completed in December, 05
356	TAG is not respected by the syslog server - test 11101; need to repair MESA syslog server and manage the TAG data; also need to construct a test for Audit Record Repositories to see if they can take that data.
357	OF 111 Fails to send gpwl query to itself
358	Eval_20530 failes since SOP Instance UID has spaces: The real issue is that MESA should not accept DICOM Composite objects with bad UIDs; will repair MESA servers to reject those objects before we ever get to evaluation scripts.
359	IETF Audit record schema is inconsistent
360	20530 - double quotes needed: The real issue is that MESA should not accept DICOM Composite objects with bad UIDs; will repair MESA servers to reject those objects before we ever get to evaluation scripts.
361	CSR validation tool returns false negatives
362	XDS-MS validation tool reports false negatives
366	PD_SUPPLIER TC 11365 appears to hang
367	Problems with the hl7_rcvr
369	Connectathon test issue - CARD- DRPT test case
371	Problem with ACKA28
372	Image manager test 111 is blocked and there no eval
373	Runtime scripts should test to make sure database is running
378	Evaluation ADT 103: MESA expectation for PV1 data in A08 is likely flawed

5.3 Bugs Listed/Fixed on MESA Bug System

Bug	Resolution
368	Export Manager bug repaired by updating scripts.
374	Updated the length of a syslog message the MESA syslog server will accept from 1024 to 4096 bytes. Also added an evaluation for the length of the message and print a warning when that exceeds 1024 characters for test 1201.
376	Updated the QBP template file and associated data files for those queries.
377	Updated the documentation for Patient Encounter Consumer Test 12121. The documentation listed an additional transaction that is not part of the test.

5.4 Other Updates

1. Increased the width of the column used to store syslog messages by the MESA Syslog server. If you are testing secure nodes, you will want to remove and reinstall the databases. This procedure is described in the Installation Guide.
2. Corrected some typos in Patient Encounter Source documentation.

6 Version 9.10.0: 6-Mar-2006

6.1 General Information Concerning 9.10.0

6.2 Open Bug Reports on MESA Bug System

Bug	Resolution
9	The software for tests 505 and 506 are both incomplete and will be incomplete with the 5.5.0 release. We have updated the documentation to make this more clear. We will complete the test software and correct the documentation in a future release.
21	MESA SR evaluation has difficulty when the tools encounter extra content items. To be repaired during Y5 development process.
33	Report creator test 1511 is incomplete
64, 65	Will be fixed as part of the process of changing scripts to use a common test engine rather than individual scripts.
67	Part of IHE-Europe extensions. We need to work with IHE-Europe to add as part of the baseline distribution.
68	Part of IHE-Europe extensions. We need to work with IHE-Europe to add as part of the baseline distribution.
71	Waiting for feedback from the person who issued the report.
72	User requested other transfer syntaxes for MESA servers.
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144	ITI test 10133 is not implemented. This will be addressed in a later release.
147	Display test 10143 is not implemented. This will be addressed in a later release.
153	Need some further help from the system performing the test.
157	NM Evidence Creator tests are not ready
160	Order Filler test 100 is deferred
164	No stress echo test data
170	Waiting for feedback from issuer
181	Error message about modalities in study is misleading, but this will not be fixed until after Jan, 2005.
183	Image Manager test 111 is not implemented and will not be implemented before Jan, 2005.
190	
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198	Tests 151, 152, 153 were not included. 151 was added; 152 and 153 still require work.
199	
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205	Need to rethink tests 10145 and 10146. IE always wants to send */* in the accept field, so it is hard to force a failure by configuring to only accept JPEG or PDF documents.
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212	Error when testing ADT A04 for ID Source
214	Modality test 1305 missing
215	PDC Test 11330 is not implemented
219	Need to implement Reliable Syslog. That will not happen until at least May 2005.
220	Needs to be removed or redefined. There is no ATNA event defined for System configuration.
221	Eric Poiseau cannot post bugs to bugzilla system
223	test spec for 10144 - RID/ECG
226	incorrect implementation of type handling RID 10142, 10144, 1

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235	
242	Need to update Modality tests to not assume automated protocol handling
243	Accept field is ambiguous in TF. Need CP resolution to close this issue.
246	Need some additional feedback from the user.
298	Installation of RIS Mail
299	MESA test #281 DICOM servers need to support more SOP class
300	Note for next year – ED – CARD 1402 – 1404
306	Trouble with DVT 2.1 (test 283)
308	PID Segment is HL7 v2.4 and not v.2.3.1
310	Secure Node tests – 1221 etc. not responding to initial client
311	MESA Scripts need better logging when they have configuration
314	Order Filler evaluation for 132 flawed
315	MESA 2006 - add EC actor to Rad SWF and Card Cath and Echo
316	cmove proposes Storage SOP Classes to Q/R SCP Service and re
323	NAV test 12903 - something wrong with using the scheme file?
324	NAV signature xml file can not be validated – 12903
326	xds_ms_doc_source test 12503 is missing. Will be added in a later cycle; will not be ready in Dec 05
328	Typos in Image Display Consistency tests VLUT_08, VLUT_P10
329	MESA test 103 , use different AE titles ?
330	Modality PGP Test 106 is flawed
331	MESA 8.8.3 , Test 111 not work's
333	Evaluation problem, but this may be a configuration issue at the user's site.
334	Schematron issue: need to resolve namespace issue
349	tls handshake error
350	eval_client_1222.pl uses last_log.txt instead of last_log.xml
351	test 1223 not ready for IETF schema
354	Display 20309 - Mesa information source sends incorrect resp; attached a jar file with extra debugging information to try to find the MESA bug.
355	Display 10146 not ready with this software release; needs to be updated and corrected; will not be completed in December, 05
356	TAG is not respected by the syslog server - test 11101; need to repair MESA syslog server and manage the TAG data; also need to construct a test for Audit Record Repositories to see if they can take that data.
357	OF 111 Fails to send gpwl query to itself
358	Eval_20530 failes since SOP Instance UID has spaces: The real issue is that MESA should not accept DICOM Composite objects with bad UIDs; will repair MESA servers to reject those objects before we ever get to evaluation scripts.
359	IETF Audit record schema is inconsistent

360	20530 - double quotes needed: The real issue is that MESA should not accept DICOM Composite objects with bad UIDs; will repair MESA servers to reject those objects before we ever get to evaluation scripts.
361	CSR validation tool returns false negatives
362	XDS-MS validation tool reports false negatives
366	PD_SUPPLIER TC 11365 appears to hang
367	Problems with the hl7_rcvr
368	Export Manager Test 3003: ERR: Failed in Testing Content Seq
369	Connectathon test issue - CARD- DRPT test case
371	Problem with ACKA28
372	Image manager test 111 is blocked and there no eval
373	Runtime scripts should test to make sure database is running

6.3 Bugs Listed/Fixed on MESA Bug System

Bug	Resolution
288	Modified MWL evaluation code to allow extra ^ delimiters after the physician names. Need to do the same for Patient Name (0010 0010)
290	Closed this report; we think the patches in earlier releases took care of the issue.
294	Closed this report; we think it was a configuration error by the submitter
301	Closed; duplicate of 288.
308	Decided to leave extra fields in the segments. Although HL7 2.3.1 lists the number of fields to expect in a segment, the standard allows senders to send extra fields and expects the receivers to accept (but possibly ignore) them.
311	Upgraded IM, DSS/Order Filler, Modality tests to better check MESA environment and to print better debug messages for MWL issues. Still need to work on tests of the database installed/running.
333	Test of PIX manager seems to have been resolved by the 9.7.0 release. User reports the problem has been corrected.
342	Assumed the TLS problem was due to a conflict in DLLs and was resolved by the user.
343	Resolved issues and added explicit tests to test different combinations of assigning authority values.
346	Added a test for Image Manager Instance Availability Notification
370	Withdrawn by the user.
371	Updated runtime HL7 message definitions to recognize ACK^A28 message.

6.4 Other Updates

1. Added data files so that test 401 prints an error if you try to run using the SWF scripts. This test (of the Image Manager) uses an older scheme that is documented in the test instructions.
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2. Added verbose output for Image Manager test 412 when running the C-Move request.
3. Updated cmove program to better handle status when an Image Manager returns intermediate results. In the prior versions, this application treated those intermediate messages as an error and the program completed its execution, but exited with an error status.
4. Repaired the unix start servers script for patient ID source tests (e.g. 10512). The Unix script did not specify the proper database to use.
5. Modified Patient ID source test 10512. Made 3 explicit test cases to test the values used for assigning authority.

7 Version 9.9.0: 12-Dec-2005

7.1 General Information Concerning 9.9.0

7.2 Open Bug Reports on MESA Bug System

Bug	Resolution
9	The software for tests 505 and 506 are both incomplete and will be incomplete with the 5.5.0 release. We have updated the documentation to make this more clear. We will complete the test software and correct the documentation in a future release.
21	MESA SR evaluation has difficulty when the tools encounter extra content items. To be repaired during Y5 development process.
33	Report creator test 1511 is incomplete
64, 65	Will be fixed as part of the process of changing scripts to use a common test engine rather than individual scripts.
67	Part of IHE-Europe extensions. We need to work with IHE-Europe to add as part of the baseline distribution.
68	Part of IHE-Europe extensions. We need to work with IHE-Europe to add as part of the baseline distribution.
71	Waiting for feedback from the person who issued the report.
72	User requested other transfer syntaxes for MESA servers.
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118	
144	ITI test 10133 is not implemented. This will be addressed in a later release.
147	Display test 10143 is not implemented. This will be addressed in a later release.
153	Need some further help from the system performing the test.
157	NM Evidence Creator tests are not ready
160	Order Filler test 100 is deferred
164	No stress echo test data
170	Waiting for feedback from issuer
181	Error message about modalities in study is misleading, but this will not be fixed until after Jan, 2005.
183	Image Manager test 111 is not implemented and will not be implemented before Jan, 2005.
190	
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198	Tests 151, 152, 153 were not included. 151 was added; 152 and 153 still require work.
199	
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205	Need to rethink tests 10145 and 10146. IE always wants to send */* in the accept field, so it is hard to force a failure by configuring to only accept JPEG or PDF documents.
207	
208	
212	Error when testing ADT A04 for ID Source
214	Modality test 1305 missing
215	PDC Test 11330 is not implemented
219	Need to implement Reliable Syslog. That will not happen until at least May 2005.
220	Needs to be removed or redefined. There is no ATNA event defined for System configuration.
221	Eric Poiseau cannot post bugs to bugzilla system
223	test spec for 10144 - RID/ECG
226	incorrect implementation of type handling RID 10142, 10144, 1
235	
242	Need to update Modality tests to not assume automated protocol handling
243	Accept field is ambiguous in TF. Need CP resolution to close this issue.
246	Need some additional feedback from the user.
288	OF-103 Doctors names not trimmed MESA tests need work on evaluating Person Name fields. We do not properly evaluate when output of your

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	system contains extra ^ delimiters. For these errors, submit log results with a reminder for us to look at the Person Name fields.
290	Some error in the C-Move transmission
294	MESA Image Manager does not repositnd to HL7 messages from Order Filler under test. Referred back to user to examine the wrapper used around the HL7 message.
298	Installation of RIS Mail
299	MESA test #281 DICOM servers need to support more SOP class
300	Note for next year – ED – CARD 1402 – 1404
301	Faulty evaluation of MWL responses; duplicate of 288; to be fixed next year.
306	Trouble with DVT 2.1 (test 283)
308	PID Segment is HL7 v2.4 and not v.2.3.1
310	Secure Node tests – 1221 etc. not responding to initial client
311	MESA Scripts need better logging when they have configuration
314	Order Filler evaluation for 132 flawed
315	MESA 2006 - add EC actor to Rad SWF and Card Cath and Echo
316	cmove proposes Storage SOP Classes to Q/R SCP Service and re
323	NAV test 12903 - something wrong with using the scheme file?
324	NAV signature xml file can not be validated – 12903
326	xds_ms_doc_source test 12503 is missing. Will be added in a later cycle; will not be ready in Dec 05
328	Typos in Image Display Consistency tests VLUT_08, VLUT_P10
329	MESA test 103 , use different AE titles ?
330	Modality PGP Test 106 is flawed
331	MESA 8.8.3 , Test 111 not work's
333	Evaluation problem, but this may be a configuration issue at the user's site.
334	Schematron issue: need to resolve namespace issue
342	ordinal 508 could not be located in libeay32.dll: Asked submitter for further information
343	Updated evaluation of Patient ID Source test 10512, but issues still remain
346	No MESA test for Radiology Instance Availability Notification; to be added mid Dec
349	tls handshake error
350	eval_client_1222.pl uses last_log.txt instead of last_log.xml
351	test 1223 not ready for IETF schema
354	Display 20309 - Mesa information source sends incorrect resp; attached a jar file with extra debugging information to try to find the MESA bug.
355	Display 10146 not ready with this software release; needs to be updated and corrected; will not be completed in December, 05

356	TAG is not respected by the syslog server - test 11101; need to repair MESA syslog server and manage the TAG data; also need to construct a test for Audit Record Repositories to see if they can take that data.
357	OF 111 Fails to send gpwl query to itself
358	Eval_20530 failes since SOP Instance UID has spaces: The real issue is that MESA should not accept DICOM Composite objects with bad UIDs; will repair MESA servers to reject those objects before we ever get to evaluation scripts.
359	IETF Audit record schema is inconsistent
360	20530 - double quotes needed: The real issue is that MESA should not accept DICOM Composite objects with bad UIDs; will repair MESA servers to reject those objects before we ever get to evaluation scripts.
361	CSR validation tool returns false negatives
362	XDS-MS validation tool reports false negatives
366	PD_SUPPLIER TC 11365 appears to hang
367	Problems with the hl7_rcvr

7.3 Bugs Listed/Fixed on MESA Bug System

Bug	Resolution
303	TCE Profile Testcases (3001 & 3003). Repaired documentation in the test instructions that was causing the last failure.
335	Installation Test for RID tests fails: Need to repair documentation Repaired the Installation manuals for Unix and Windows installations.
347	DRPT 20503 and 20530 (and others) platform considerations
364	OF 20205 test script is flawed; Repaired the scheduling message that was causing misinformation
365	Test 11365 not graded properly Was a runtime problem with the scripts that is now corrected.

7.4 Other Updates

1. Repaired documentation for Export Selector actor. In section 1.5, the wrong directions for starting the MESA servers were issued.
 2. Modified the MESA_STORAGE data by adding ultrasound images. These will be useful for some Cardiology tests, but are not yet integrated with the test software.
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8 Version 9.8.0: 4-Dec-2005

8.1 General Information Concerning 9.8.0

8.2 Open Bug Reports on MESA Bug System

Bug	Resolution
9	The software for tests 505 and 506 are both incomplete and will be incomplete with the 5.5.0 release. We have updated the documentation to make this more clear. We will complete the test software and correct the documentation in a future release.
21	MESA SR evaluation has difficulty when the tools encounter extra content items. To be repaired during Y5 development process.
33	Report creator test 1511 is incomplete
64, 65	Will be fixed as part of the process of changing scripts to use a common test engine rather than individual scripts.
67	Part of IHE-Europe extensions. We need to work with IHE-Europe to add as part of the baseline distribution.
68	Part of IHE-Europe extensions. We need to work with IHE-Europe to add as part of the baseline distribution.
71	Waiting for feedback from the person who issued the report.
72	User requested other transfer syntaxes for MESA servers.
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144	ITI test 10133 is not implemented. This will be addressed in a later release.
147	Display test 10143 is not implemented. This will be addressed in a later release.
153	Need some further help from the system performing the test.
157	NM Evidence Creator tests are not ready
160	Order Filler test 100 is deferred
164	No stress echo test data
170	Waiting for feedback from issuer
181	Error message about modalities in study is misleading, but this will not be fixed until after Jan, 2005.
183	Image Manager test 111 is not implemented and will not be implemented before Jan, 2005.
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198	Tests 151, 152, 153 were not included. 151 was added; 152 and 153 still require work.
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205	Need to rethink tests 10145 and 10146. IE always wants to send */* in the accept field, so it is hard to force a failure by configuring to only accept JPEG or PDF documents.
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212	Error when testing ADT A04 for ID Source
214	Modality test 1305 missing
215	PDC Test 11330 is not implemented
219	Need to implement Reliable Syslog. That will not happen until at least May 2005.
220	Needs to be removed or redefined. There is no ATNA event defined for System configuration.
221	Eric Poiseau cannot post bugs to bugzilla system
223	test spec for 10144 - RID/ECG
226	incorrect implementation of type handling RID 10142, 10144, 1
235	
242	Need to update Modality tests to not assume automated protocol handling
243	Accept field is ambiguous in TF. Need CP resolution to close this issue.
246	Need some additional feedback from the user.
288	OF-103 Doctors names not trimmed MESA tests need work on evaluating Person Name fields. We do not properly evaluate when output of your system contains extra ^ delimiters. For these errors, submit log results with a reminder for us to look at the Person Name fields.
290	Some error in the C-Move transmission
294	MESA Image Manager does not repond to HL7 messages from Order Filler under test. Referred back to user to examine the wrapper used around the HL7 message.
298	Installation of RIS Mail
299	MESA test #281 DICOM servers need to support more SOP class
300	Note for next year – ED – CARD 1402 – 1404
301	Faulty evaluation of MWL responses; duplicate of 288; to be fixed next year.
303	TCE Profile Testcases (3001 & 3003). Referred back with questions
306	Trouble with DVT 2.1 (test 283)

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308	PID Segment is HL7 v2.4 and not v.2.3.1
310	Secure Node tests – 1221 etc. not responding to initial client
311	MESA Scripts need better logging when they have configuration
314	Order Filler evaluation for 132 flawed
315	MESA 2006 - add EC actor to Rad SWF and Card Cath and Echo
316	cmove proposes Storage SOP Classes to Q/R SCP Service and re
323	NAV test 12903 - something wrong with using the scheme file?
324	NAV signature xml file can not be validated – 12903
326	xds_ms_doc_source test 12503 is missing. Will be added in a later cycle; will not be ready in Dec 05
328	Typos in Image Display Consistency tests VLUT_08, VLUT_P10
329	MESA test 103 , use different AE titles ?
330	Modality PGP Test 106 is flawed
331	MESA 8.8.3 , Test 111 not work's
333	Evaluation problem, but this may be a configuration issue at the user's site.
334	Schematron issue: need to resolve namespace issue
335	Installation Test for RID tests fails: Need to repair documentation
342	ordinal 508 could not be located in libeay32.dll: Asked submitter for further information
343	Updated evaluation of Patient ID Source test 10512, but issues still remain
346	No MESA test for Radiology Instance Availability Notification; to be added mid Dec
347	DRPT 20503 and 20530 (and others) platform considerations
349	tls handshake error
350	eval_client_1222.pl uses last_log.txt instead of last_log.xml
351	test 1223 not ready for IETF schema
354	Display 20309 - Mesa information source sends incorrect resp; attached a jar file with extra debugging information to try to find the MESA bug.
355	Display 10146 not ready with this software release; needs to be updated and corrected; will not be completed in December, 05
356	TAG is not respected by the syslog server - test 11101; need to repair MESA syslog server and manage the TAG data; also need to construct a test for Audit Record Repositories to see if they can take that data.
357	OF 111 Fails to send gpwl query to itself
358	Eval_20530 failes since SOP Instance UID has spaces: The real issue is that MESA should not accept DICOM Composite objects with bad UIDs; will repair MESA servers to reject those objects before we ever get to evaluation scripts.
359	IETF Audit record schema is inconsistent
360	20530 - double quotes needed: The real issue is that MESA should not accept DICOM Composite objects with bad UIDs; will repair MESA servers to reject those objects before we ever get to evaluation scripts.
361	CSR validation tool returns false negatives

362	XDS-MS validation tool reports false negatives
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8.3 Bugs Listed/Fixed on MESA Bug System

Bug	Resolution
290	Repaired in a previous release; user confirms repair
336	ATNA 11103 eval script flags valid IETF audit record in error. Repaired schema to use definition from www.xml.org
345	PIX-Consumer 105010&10502 ADT messages failing: Asked user for more information
348	PDQ Consumer TC 11312 missing Added documentation for missing PDQ Consumer test 11312
352	Added documentation for PD Consumer for test 11312. This is also a PD Consumer test.
353	RID/ECG: C39HR61 test environment/Server Name for SQL; Added documentation in the installation manuals to describe how to onfigure for RID tests.
359	Repaired schema to use definition from www.xml.org
363	Issue resolved by user.

8.4 Other Updates

- 1 Added files IMPL_CDAR2.xsl, and voc.xml to mesa_tests/iti/actors/doc_cons/12521
- 2 Added folder mesa_tests/card/actors/common/20520/ to the distibution.
- 3 Minor bug fixes to mesa_tests/card/actors/rpt_mgr/scripts/rptmgr_drpt.pl and mesa_tests/card/actors/rpt_mgr/scripts/rpt_mgr.pm
- 4 Minor bug fixes to mesa_tests/card/actors/rpt_mgr/20530/eval_20530.pl
- 5 Added PDQ test 11365 for Patient Demographics Supplier. Need to add the same test for the Consumer actor.
- 6 Modified evaluation script for Secure Node actor test 1201 to test either the IETF or INTERIM formats for audit messages.
- 7 Modified documentation for Secure Node actor to better describe configuration with digital certificates.

9 Version 9.7.0: 27-Nov-2005

9.1 General Information Concerning 9.7.0

9.2 Open Bug Reports on MESA Bug System

Bug	Resolution
9	The software for tests 505 and 506 are both incomplete and will be incomplete with the 5.5.0 release. We have updated the documentation to make this more clear. We will complete the test software and correct the documentation in a future release.

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21	MESA SR evaluation has difficulty when the tools encounter extra content items. To be repaired during Y5 development process.
33	Report creator test 1511 is incomplete
64, 65	Will be fixed as part of the process of changing scripts to use a common test engine rather than individual scripts.
67	Part of IHE-Europe extensions. We need to work with IHE-Europe to add as part of the baseline distribution.
68	Part of IHE-Europe extensions. We need to work with IHE-Europe to add as part of the baseline distribution.
71	Waiting for feedback from the person who issued the report.
72	User requested other transfer syntaxes for MESA servers.
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144	ITI test 10133 is not implemented. This will be addressed in a later release.
147	Display test 10143 is not implemented. This will be addressed in a later release.
153	Need some further help from the system performing the test.
157	NM Evidence Creator tests are not ready
160	Order Filler test 100 is deferred
164	No stress echo test data
170	Waiting for feedback from issuer
181	Error message about modalities in study is misleading, but this will not be fixed until after Jan, 2005.
183	Image Manager test 111 is not implemented and will not be implemented before Jan, 2005.
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198	Tests 151, 152, 153 were not included. 151 was added; 152 and 153 still require work.
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202	
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205	Need to rethink tests 10145 and 10146. IE always wants to send */* in the accept field, so it is hard to force a failure by configuring to only accept JPEG or PDF documents.
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212	Error when testing ADT A04 for ID Source
214	Modality test 1305 missing
215	PDC Test 11330 is not implemented
219	Need to implement Reliable Syslog. That will not happen until at least May 2005.
220	Needs to be removed or redefined. There is no ATNA event defined for System configuration.
221	Eric Poiseau cannot post bugs to bugzilla system
223	test spec for 10144 - RID/ECG
226	incorrect implementation of type handling RID 10142, 10144, 1
235	
242	Need to update Modality tests to not assume automated protocol handling
243	Accept field is ambiguous in TF. Need CP resolution to close this issue.
246	Need some additional feedback from the user.
288	OF-103 Doctors names not trimmed MESA tests need work on evaluating Person Name fields. We do not properly evaluate when output of your system contains extra ^ delimiters. For these errors, submit log results with a reminder for us to look at the Person Name fields.
290	Some error in the C-Move transmission
294	MESA Image Manager does not respond to HL7 messages from Order Filler under test. Referred back to user to examine the wrapper used around the HL7 message.
298	Installation of RIS Mail
299	MESA test #281 DICOM servers need to support more SOP class
300	Note for next year – ED – CARD 1402 – 1404
301	Faulty evaluation of MWL responses; duplicate of 288; to be fixed next year.
303	TCE Profile Testcases (3001 & 3003). Referred back with questions
306	Trouble with DVT 2.1 (test 283)
308	PID Segment is HL7 v2.4 and not v.2.3.1
310	Secure Node tests – 1221 etc. not responding to initial client
311	MESA Scripts need better logging when they have configuration
314	Order Filler evaluation for 132 flawed
315	MESA 2006 - add EC actor to Rad SWF and Card Cath and Echo
316	cmove proposes Storage SOP Classes to Q/R SCP Service and re
323	NAV test 12903 - something wrong with using the scheme file?

324	NAV signature xml file can not be validated – 12903
326	xds_ms_doc_source test 12503 is missing. No fix yet.
328	Typos in Image Display Consistency tests VLUT_08, VLUT_P10
329	MESA test 103 , use different AE titles ?
330	Modality PGP Test 106 is flawed
333	Evaluation problem, but this may be a configuration issue at the user's site.
334	Schematron issue: need to resolve namespace issue
335	Installation Test for RID tests fails: Need to repair documentation
336	ATNA 11103 eval script flags valid IETF audit record in erro: Need to check schema used in MESA tests
342	ordinal 508 could not be located in libeay32.dll: Asked submitter for further information
343	Updated evaluation of Patient ID Source test 10512, but issues still remain
345	PIX-Consumer 105010&10502 ADT messages failing: Asked user for more information

9.3 Bugs Listed/Fixed on MESA Bug System

Bug	Resolution
332	Corrected evaluation script for Patient Demographics Supplier test 11312
337	Added xsl file to distribution.
338	Put CDA zip file on MESA distribution page
339	Repaired evaluation files for test 1222 using IETF/DICOM record format
340	Updated tls applications in Windows to eliminate exception
341	Added hl7_attach_PDF.pl to MESA windows distribution - \$MESA_TARGET\bin\hl7_attach_PDF.pl
344	Built and installed wget.exe for Windows

9.4 Other Updates

10 Version 9.6.0: 18-Nov-2005

10.1 General Information Concerning 9.6.0

10.2 Open Bug Reports on MESA Bug System

Bug	Resolution
9	The software for tests 505 and 506 are both incomplete and will be incomplete with the 5.5.0 release. We have updated the documentation to make this more clear. We will complete the test software and correct the

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	documentation in a future release.
21	MESA SR evaluation has difficulty when the tools encounter extra content items. To be repaired during Y5 development process.
33	Report creator test 1511 is incomplete
64, 65	Will be fixed as part of the process of changing scripts to use a common test engine rather than individual scripts.
67	Part of IHE-Europe extensions. We need to work with IHE-Europe to add as part of the baseline distribution.
68	Part of IHE-Europe extensions. We need to work with IHE-Europe to add as part of the baseline distribution.
71	Waiting for feedback from the person who issued the report.
72	User requested other transfer syntaxes for MESA servers.
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144	ITI test 10133 is not implemented. This will be addressed in a later release.
147	Display test 10143 is not implemented. This will be addressed in a later release.
153	Need some further help from the system performing the test.
157	NM Evidence Creator tests are not ready
160	Order Filler test 100 is deferred
164	No stress echo test data
170	Waiting for feedback from issuer
181	Error message about modalities in study is misleading, but this will not be fixed until after Jan, 2005.
183	Image Manager test 111 is not implemented and will not be implemented before Jan, 2005.
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198	Tests 151, 152, 153 were not included. 151 was added; 152 and 153 still require work.
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201	
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205	Need to rethink tests 10145 and 10146. IE always wants to send */* in the accept field, so it is hard to force a failure by configuring to only accept JPEG or PDF documents.
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212	Error when testing ADT A04 for ID Source
214	Modality test 1305 missing
215	PDC Test 11330 is not implemented
219	Need to implement Reliable Syslog. That will not happen until at least May 2005.
220	Needs to be removed or redefined. There is no ATNA event defined for System configuration.
221	Eric Poiseau cannot post bugs to bugzilla system
223	test spec for 10144 - RID/ECG
226	incorrect implementation of type handling RID 10142, 10144, 1
235	
242	Need to update Modality tests to not assume automated protocol handling
243	Accept field is ambiguous in TF. Need CP resolution to close this issue.
246	Need some additional feedback from the user.
288	OF-103 Doctors names not trimmed MESA tests need work on evaluating Person Name fields. We do not properly evaluate when output of your system contains extra ^ delimiters. For these errors, submit log results with a reminder for us to look at the Person Name fields.
290	Some error in the C-Move transmission
294	MESA Image Manager does not repond to HL7 messages from Order Filler under test. Referred back to user to examine the wrapper used around the HL7 message.
298	Installation of RIS Mail
299	MESA test #281 DICOM servers need to support more SOP class
300	Note for next year – ED – CARD 1402 – 1404
301	Faulty evaluation of MWL responses; duplicate of 288; to be fixed next year.
303	TCE Profile Testcases (3001 & 3003). Referred back with questions
306	Trouble with DVT 2.1 (test 283)
308	PID Segment is HL7 v2.4 and not v.2.3.1
310	Secure Node tests – 1221 etc. not responding to initial client
311	MESA Scripts need better logging when they have configuration
314	Order Filler evaluation for 132 flawed
315	MESA 2006 - add EC actor to Rad SWF and Card Cath and Echo
316	cmove proposes Storage SOP Classes to Q/R SCP Service and re

323	NAV test 12903 - something wrong with using the scheme file?
324	NAV signature xml file can not be validated – 12903
326	xds_ms_doc_source test 12503 is missing. No fix yet.
328	Typos in Image Display Consistency tests VLUT_08, VLUT_P10
329	MESA test 103 , use different AE titles ?
330	Modality PGP Test 106 is flawed

10.3 Bugs Listed/Fixed on MESA Bug System

Bug	Resolution
297	User resolved issue in message; MESA software requires no change.
307	Repaired evaluation script for Image Manager test 109.
309	Repaired Acquisition Modality documentation for test 214.
312	Informed Secure Node actor how to pass the test; this is really an issue for the ITI Technical Committee to resolve.
313	Repaired the queries created by the MESA system that are used as comparisons for the PD consumer.
317	Repaired the application mesa_update_column that was failing for Windows installations.
318	Same issue as 317
319	Duplicate of 313;
320	Repaired the evaluation script for PD Supplier test 11335. The original script assumed the continuation protocol; the test is conducted without continuation (a single response).
321	Made the test for data in the PID segment case insenstiive. Did not change tests in other segments.
322	Updated PD Consumer Test Plan document to make the requirements for QPD-1 more explicit.
325	Issue resolved by user.
327	Issue resolved by new rcs_schematron.xml from Keith

10.4 Other Updates

1. Modified the PDQ tests for PD Supplier. Made the RCP-2 field explicit in the test instructions to indicate if the test uses continuation. Repaired the query parameter in QPD-8 to use the proper CX notation for the Assigning Authority.
 2. Updated the documentation for these actors:
 - a. PD Supplier
 - b. Export Receiver/Selector actor (Radiology Teaching File/Clinical Trial profile). There were typos in the test instructions.
 - c. Report Creator. Cleared up some of the Cardiology test cases.
 3. Modified the application mesa_update_column. It now returns a status of 1 if the update to the database fails. This allows the perl scripts to capture an error condition.
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4. Added XDS-MS test case 12506 under iti/actors/doc_src.
5. Modified script that generates Cardiology HL7 messages. This will fix issues related to Report Manager/Creator.
6. Repaired Cardiology Report Manager test 20530. Added mesa_tests/card/actors/common. This folder was missing in the earlier release.
7. Added 12522 content quiz at mesa_tests/iti/actors/doc_cons/12522/grade_12522.txt.
This is related to XDS-MS: testcase#12522
8. Added sample CDA document at mesa_tests/iti/messages/xds-ms/example1.xml. This is related to XDS-MS: testcase# 12521
9. Added PD Supplier and PD Consumer test 11312. This test is for the condition when the PD Supplier responds to a query with 0 matches. That is, there were no patients matching the search criteria.

11 Version 9.5.0: 11-Nov-2005

11.1 General Information Concerning 9.5.0

11.2 Open Bug Reports on MESA Bug System

Bug	Resolution
9	The software for tests 505 and 506 are both incomplete and will be incomplete with the 5.5.0 release. We have updated the documentation to make this more clear. We will complete the test software and correct the documentation in a future release.
21	MESA SR evaluation has difficulty when the tools encounter extra content items. To be repaired during Y5 development process.
33	Report creator test 1511 is incomplete
64, 65	Will be fixed as part of the process of changing scripts to use a common test engine rather than individual scripts.
67	Part of IHE-Europe extensions. We need to work with IHE-Europe to add as part of the baseline distribution.
68	Part of IHE-Europe extensions. We need to work with IHE-Europe to add as part of the baseline distribution.
71	Waiting for feedback from the person who issued the report.
72	User requested other transfer syntaxes for MESA servers.
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144	ITI test 10133 is not implemented. This will be addressed in a later release.
147	Display test 10143 is not implemented. This will be addressed in a later release.
153	Need some further help from the system performing the test.
157	NM Evidence Creator tests are not ready
160	Order Filler test 100 is deferred
164	No stress echo test data
170	Waiting for feedback from issuer
181	Error message about modalities in study is misleading, but this will not be fixed until after Jan, 2005.
183	Image Manager test 111 is not implemented and will not be implemented before Jan, 2005.
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198	Tests 151, 152, 153 were not included. 151 was added; 152 and 153 still require work.
199	
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205	Need to rethink tests 10145 and 10146. IE always wants to send */* in the accept field, so it is hard to force a failure by configuring to only accept JPEG or PDF documents.
207	
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212	Error when testing ADT A04 for ID Source
214	Modality test 1305 missing
215	PDC Test 11330 is not implemented
219	Need to implement Reliable Syslog. That will not happen until at least May 2005.
220	Needs to be removed or redefined. There is no ATNA event defined for System configuration.
221	Eric Poiseau cannot post bugs to bugzilla system
223	test spec for 10144 - RID/ECG
226	incorrect implementation of type handling RID 10142, 10144, 1

235	
242	Need to update Modality tests to not assume automated protocol handling
243	Accept field is ambiguous in TF. Need CP resolution to close this issue.
246	Need some additional feedback from the user.
288	OF-103 Doctors names not trimmed MESA tests need work on evaluating Person Name fields. We do not properly evaluate when output of your system contains extra ^ delimiters. For these errors, submit log results with a reminder for us to look at the Person Name fields.
290	Some error in the C-Move transmission
294	MESA Image Manager does not repositnd to HL7 messages from Order Filler under test. Referred back to user to examine the wrapper used around the HL7 message.
297	Error in eval scrip of ordfil 133 test; Awaiting more data from submitter.
298	Installation of RIS Mall
299	MESA test #281 DICOM servers need to support more SOP class
300	Note for next year – ED – CARD 1402 – 1404
301	Faulty evaluation of MWL responses; duplicate of 288; to be fixed next year.
303	TCE Profile Testcases (3001 & 3003). Referred back with questions

11.3 Bugs Listed/Fixed on MESA Bug System

Bug	Resolution
302	Repaired scripts so Export Receiver tests work under Windows
304	Repaired typo in ecg_203xx.html to state SUMMARY – RADIOLOGY rather than SUMMARY-RADIOLOGY.
305	Repaired Cardiology test scripts for 20101 and 20102
306	Added mesa_tests/card/actors/common/20530 This folder was missing in the earlier release.

11.4 Other Updates

1. Added tests for the NAV profile.
 2. Repaired Cardiology tests 20101 and 20102. There were improperly coded values in the test scripts that prevented the tests from operating.
 - 3.
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12 Version 9.4.0: 6-Nov-2005

12.1 General Information Concerning 9.4.0

12.2 Open Bug Reports on MESA Bug System

Bug	Resolution
9	The software for tests 505 and 506 are both incomplete and will be incomplete with the 5.5.0 release. We have updated the documentation to make this more clear. We will complete the test software and correct the documentation in a future release.
21	MESA SR evaluation has difficulty when the tools encounter extra content items. To be repaired during Y5 development process.
33	Report creator test 1511 is incomplete
64, 65	Will be fixed as part of the process of changing scripts to use a common test engine rather than individual scripts.
67	Part of IHE-Europe extensions. We need to work with IHE-Europe to add as part of the baseline distribution.
68	Part of IHE-Europe extensions. We need to work with IHE-Europe to add as part of the baseline distribution.
71	Waiting for feedback from the person who issued the report.
72	User requested other transfer syntaxes for MESA servers.
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144	ITI test 10133 is not implemented. This will be addressed in a later release.
147	Display test 10143 is not implemented. This will be addressed in a later release.
153	Need some further help from the system performing the test.
157	NM Evidence Creator tests are not ready
160	Order Filler test 100 is deferred
164	No stress echo test data
170	Waiting for feedback from issuer
181	Error message about modalities in study is misleading, but this will not be fixed until after Jan, 2005.
183	Image Manager test 111 is not implemented and will not be implemented before Jan, 2005.
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205	Need to rethink tests 10145 and 10146. IE always wants to send */* in the accept field, so it is hard to force a failure by configuring to only accept JPEG or PDF documents.
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212	Error when testing ADT A04 for ID Source
214	Modality test 1305 missing
215	PDC Test 11330 is not implemented
219	Need to implement Reliable Syslog. That will not happen until at least May 2005.
220	Needs to be removed or redefined. There is no ATNA event defined for System configuration.
221	Eric Poiseau cannot post bugs to bugzilla system
223	test spec for 10144 - RID/ECG
226	incorrect implementation of type handling RID 10142, 10144, 1
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242	Need to update Modality tests to not assume automated protocol handling
243	Accept field is ambiguous in TF. Need CP resolution to close this issue.
246	Need some additional feedback from the user.
288	OF-103 Doctors names not trimmed MESA tests need work on evaluating Person Name fields. We do not properly evaluate when output of your system contains extra ^ delimiters. For these errors, submit log results with a reminder for us to look at the Person Name fields.
290	Some error in the C-Move transmission
294	MESA Image Manager does not repond to HL7 messages from Order Filler under test. Referred back to user to examine the wrapper used around the HL7 message.

12.3 Bugs Listed/Fixed on MESA Bug System

Bug	Resolution
259	Repaired dates in Order messages for Radiology tests 152 and 153.
275	Declared this resolved; we believe this was repaired in an earlier release and are closing this report.
281	Added a rule in the HL7 rules files for ACK^A04. This is for both sets of rules that we maintain

	(Radiology/Cardiology and IT Infrastructure have slight differences).
282	Repaired the text file that feeds the ADT messages for test 107 with the proper value for VISIT Indicator.
283	Updated the table definitions to use varchar rather than just char from patid and issuer fields. This was causing some problems for the RID tests.
284	Added the missing web files needed to test Information Source and Display actors. Updated the documentation for testing Information Source actor.
285	Repaired the Unix Installation Manual as suggested.
286	Repaired documentation for InformationSource actor as suggested.
287	Added missing script. Repaired another script that was causing our server to have no link to the database. We could use confirmation from the person that everything has been repaired.
293	Repaired dates in Order messages for Radiology tests 152 and 153.
289	Closed by the user.
295	Display consistency data was missing from the distribution. We added links to the data.

12.4 Other Updates

4. Updated database tables for RID tests. If you are testing RID actors, use the procedure in the Installation Manual to delete and recreate the database tables. Other profiles are not affected.
 5. Added tests for the PAM Integration Profile. Please consult Kudu web tool to see which tests are required for your system.
 6. Repaired documentation for the Receiver actor (Radiology Teaching File/Clinical Trial profile). There were typos in the test instructions.
 7. Fix a bug in evaluate script for Teaching File and Clinical Trial Export.
 8. Fixed bugs related to Export Selector actor. These are with regards with to evaluating test cases 3001, and 3003.
 9. The test images and spreadsheets required to run some of the display consistency tests are missing from previous releases. The new distribution page now has a link to that data.
 10. Repaired PDQ tests 11311, 11315, 11320, 11325 to explicitly not use the Continuation Protocol. Still need to repair/implement test 11365 to exercise that feature. This means the ADT feeds for these tests have been changed and need to be run again.
 - a. Set the Response Limit sent to PD Suppliers to 10^RD.
 11. Repaired PIX tests 10501, 10502, 10506, 10512 to use a full qualified Assigning Authority in the Patient ID List (PID 3). The previous versions used only the strings “ADT1” and “ADT2”. These strings have been replaced with fully qualified names.
 12. Repaired the ADT feeds for PIX and PDQ tests:
 - b. Added a value for MSH 7, Message Date/Time
 - c. Removed the string \$LAST_UPDATE\$ from PID 33. This is meant for other tests and is now empty in these ADT feeds.
-

- d. Replaced the simple assigning authority (ADT1, ADT2) with a fully qualified assigning authority.
- 13. Modified the clear_xref_mgr script to also clear the issuer table. Added scripts in the Postgres and SQL Server 2000 directories to accomplish this.
- 14. Repaired the start servers script for XREF consumers in windows environment. No database was specified, so all consumers received no response to PIX queries.

13 Version 9.3.0: 31-Oct-2005

13.1 General Information Concerning 9.3.0

13.2 Open Bug Reports on MESA Bug System

Bug	Resolution
9	The software for tests 505 and 506 are both incomplete and will be incomplete with the 5.5.0 release. We have updated the documentation to make this more clear. We will complete the test software and correct the documentation in a future release.
21	MESA SR evaluation has difficulty when the tools encounter extra content items. To be repaired during Y5 development process.
33	Report creator test 1511 is incomplete
64, 65	Will be fixed as part of the process of changing scripts to use a common test engine rather than individual scripts.
67	Part of IHE-Europe extensions. We need to work with IHE-Europe to add as part of the baseline distribution.
68	Part of IHE-Europe extensions. We need to work with IHE-Europe to add as part of the baseline distribution.
71	Waiting for feedback from the person who issued the report.
72	User requested other transfer syntaxes for MESA servers.
99	
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144	ITI test 10133 is not implemented. This will be addressed in a later release.
147	Display test 10143 is not implemented. This will be addressed in a later release.

IHE/MESA Test Tools Release Notes – Version 9.10.5, 7-Apr-2006

153	Need some further help from the system performing the test.
157	NM Evidence Creator tests are not ready
160	Order Filler test 100 is deferred
164	No stress echo test data
170	Waiting for feedback from issuer
181	Error message about modalities in study is misleading, but this will not be fixed until after Jan, 2005.
183	Image Manager test 111 is not implemented and will not be implemented before Jan, 2005.
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198	Tests 151, 152, 153 were not included. 151 was added; 152 and 153 still require work.
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205	Need to rethink tests 10145 and 10146. IE always wants to send */* in the accept field, so it is hard to force a failure by configuring to only accept JPEG or PDF documents.
207	
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212	Error when testing ADT A04 for ID Source
214	Modality test 1305 missing
215	PDC Test 11330 is not implemented
219	Need to implement Reliable Syslog. That will not happen until at least May 2005.
220	Needs to be removed or redefined. There is no ATNA event defined for System configuration.
221	Eric Poiseau cannot post bugs to bugzilla system
223	test spec for 10144 - RID/ECG
226	incorrect implementation of type handling RID 10142, 10144, 1
235	
242	Need to update Modality tests to not assume automated protocol handling
243	Accept field is ambiguous in TF. Need CP resolution to close this issue.
246	Need some additional feedback from the user.
281	msgRules.ihe-iti missing ACKA04
282	107.102.a04.hl7 PV1-51 \$VISIT_INDICATOR\$ not defined
283	"make database" ERRORS in CreateInfoSrcTables.csh
284	missing file MESA_TARGET/html/rid/rid_101xx.html

285	bugs in "Installation Guide Unix Binary Option" version 9.0
286	copy/paste error in document "information source tests" V9.0
287	PIX Query Tests 10501,10502, etc missing "clear_xrefmgr_tabl
288	OF-103 Doctors names not trimmed
289	Tests 103, 105, 131, probably others - 'Unable to produce un
290	Some error in the C-Move transmission
293	
294	

13.3 Bugs Listed/Fixed on MESA Bug System

Bug	Resolution
284	Added HTML files for RID tests and other required jar files.
287	Added perl script in this release.
291	Repaired the referenced Series UID in the sequence 0040 A375
292	Repaired HL7 message definition file msgRules.ihe

13.4 Other Updates

15. Repaired the table defintions for the Information Source and Display actor tests in the RID profile. If you are testing the RID profile, you will need to drop the existing database and rebuild the database. This procedure is documented in the Installation Manual.
16. Added documentation for Report Creator test 600.
17. Updated document for Acquisition Modality and Evidence Creator test 1700 to make the intent more clear.

14 Version 9.2.0: 25-Oct-2005

14.1 General Information Concerning 9.2.0

14.2 Open Bug Reports on MESA Bug System

Bug	Resolution
9	The software for tests 505 and 506 are both incomplete and will be incomplete with the 5.5.0 release. We have updated the documentation to make this more clear. We will complete the test software and correct the documentation in a future release.
21	MESA SR evaluation has difficulty when the tools encounter extra content items. To be repaired during Y5 development process.

IHE/MESA Test Tools Release Notes – Version 9.10.5, 7-Apr-2006

33	Report creator test 1511 is incomplete
64, 65	Will be fixed as part of the process of changing scripts to use a common test engine rather than individual scripts.
67	Part of IHE-Europe extensions. We need to work with IHE-Europe to add as part of the baseline distribution.
68	Part of IHE-Europe extensions. We need to work with IHE-Europe to add as part of the baseline distribution.
71	Waiting for feedback from the person who issued the report.
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144	ITI test 10133 is not implemented. This will be addressed in a later release.
147	Display test 10143 is not implemented. This will be addressed in a later release.
153	Need some further help from the system performing the test.
157	NM Evidence Creator tests are not ready
160	Order Filler test 100 is deferred
164	No stress echo test data
170	Waiting for feedback from issuer
181	Error message about modalities in study is misleading, but this will not be fixed until after Jan, 2005.
183	Image Manager test 111 is not implemented and will not be implemented before Jan, 2005.
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205	Need to rethink tests 10145 and 10146. IE always wants to send */* in the accept field, so it is hard to force a failure by configuring to only accept JPEG or PDF documents.
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212	Error when testing ADT A04 for ID Source
214	Modality test 1305 missing
215	PDC Test 11330 is not implemented
219	Need to implement Reliable Syslog. That will not happen until at least May 2005.
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283	"make database" ERRORS in CreateInfoSrcTables.csh
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286	copy/paste error in document "information source tests" V9.0
287	PIX Query Tests 10501,10502, etc missing "clear_xrefmgr_tabl
288	OF-103 Doctors names not trimmed
289	Tests 103, 105, 131, probably others - 'Unable to produce un
290	Some error in the C-Move transmission

14.3 Bugs Listed/Fixed on MESA Bug System

Bug	Resolution

14.4 Other Updates

18. Added XDS-MS tests for Document Sources. Some XDS-MS Document Source tests will be run as normal XDS tests with NIST. Some of the tests we are adding will be completed in the next release.
19. Added ATNA tests for Secure Nodes. This includes TLS communication and logging. Still need to work on documenting the Reliable Syslog Server that HIPAAT is lending to us for testing.

15 Version 9.1.0: 18-Oct-2005

15.1 General Information Concerning 9.1.0

15.2 Open Bug Reports on MESA Bug System

Bug	Resolution
9	The software for tests 505 and 506 are both incomplete and will be incomplete with the 5.5.0 release. We have updated the documentation to make this more clear. We will complete the test software and correct the documentation in a future release.
21	MESA SR evaluation has difficulty when the tools encounter extra content items. To be repaired during Y5 development process.
33	Report creator test 1511 is incomplete
64, 65	Will be fixed as part of the process of changing scripts to use a common test engine rather than individual scripts.
67	Part of IHE-Europe extensions. We need to work with IHE-Europe to add as part of the baseline distribution.
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144	ITI test 10133 is not implemented. This will be addressed in a later release.

IHE/MESA Test Tools Release Notes – Version 9.10.5, 7-Apr-2006

147	Display test 10143 is not implemented. This will be addressed in a later release.
153	Need some further help from the system performing the test.
157	NM Evidence Creator tests are not ready
160	Order Filler test 100 is deferred
164	No stress echo test data
170	Waiting for feedback from issuer
181	Error message about modalities in study is misleading, but this will not be fixed until after Jan, 2005.
183	Image Manager test 111 is not implemented and will not be implemented before Jan, 2005.
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221	Eric Poiseau cannot post bugs to bugzilla system
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242	Need to update Modality tests to not assume automated protocol handling
243	Accept field is ambiguous in TF. Need CP resolution to close this issue.
246	Need some additional feedback from the user.

15.3 Bugs Listed/Fixed on MESA Bug System

Bug	Resolution
270	Repaired perl script per the suggestion of the submitter. This should help Order Filler test 20106.
271	Agreed with the assessment of the submitter that we need to swap the prefix/suffix for names when going from HL7 to DICOM. Modified of_schedule application to do this. This will most likely show up in tests for Order Fillers as their evaluation will depend on the proper ordering of name components.
273	The MESA HL7 applications (hl7_rcvr, kill_hl7, send_hl7) on Windows systems died when sending a message because of a stack overflow. This was first discovered when running modality tests. The repair was to increase the stack size during the link procedure.
274	Repaired the start_mesa_servers.bat script for the chg_proc actor.
277	Updated the TLS certificates for the Secure Node tests. The previous version was released with expired certificates.
278	TLS version of servers were repaired by generating new certificates for bug 277.
279	Repaired the Image Manager script to handle the “PROFILE” verb and updated the 109 test script to send a query to Image Managers under test.
280	Repaired this by adding the ITI test scripts to the release.

15.4 Other Updates

20. Updated SQL scripts to drop/create databases on Windows systems. If you are using the Windows version, you need to remove and reinstall the databases. This is described in the installation manual.
 21. Added a number of test cases/documentation for Cardiology domain:
 - e. Cath: Image Manager test 20106
 - f. Cath: Order Filler test 20106
 - g. Echo: Order Filler test 20205
 - h. DRPT: Report Creator test 20501
 - i. DRPT: Report Manager test 20501
 - j. DRPT: Report Creator Test 20502
 - k. DRPT: Report Manger test 20502
 - l. DRPT: Report Manager test 20503
 - m. DRPT: Enterprise Report Repository test 20503
 - n. DRPT: Report Creator test 20510
 - o. DRPT: Report Manager test 20511
 - p. DRPT: Report Manager test 20520
 - q. DRPT: Report Manager test 20530
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- r. ED: Evidence Creator test 1700
 - s. ED: Acquisition Modality test 1700
 - t. ED: Image Manager test 20602
 - u. ED: Image Display/Report Creator test 20603
 - v. ED: Evidence Creator test 20640 (cath) and 20641 (echo)
 - w. ED: Evidence Creator test 20640 (cath) and 20641 (echo)
 - x. ED: Acquisition Modality test 20640 (cath) and 20641 (echo)
 - y. ED: Acquisition Modality test 20640 (cath) and 20641 (echo)
 - z. ED: Image Display test 20650 (cath) and 20651 (echo)
22. Minor change in the PWP Consumer Test document. Log results are no longer accepted by email.

16 Version 9.0.0: 20-Sep-2005

16.1 General Information Concerning 9.0.0

1. The XDS tests will be managed by NIST this year. That is not part of this release. We will contact them and get a schedule for that release.
 2. Not all Integration Profiles are represented in tests in this release. Those profiles that need work are:
 - DSG: Digital Signature
 - NAV: Notification of Document Availability
 - XDS-I: XDS for Imaging
 - ED: Evidence Documents (partial tests available)
 - ED-Card: Evidence Documents in Cardiology
 - ATNA: Audit Trail and Node Authentication
 - SEC: Basic Security
 - PDI: Portable Data for Imaging (need to synchronize with new software developed for RSNA demonstration)
 3. Expect another release on or about 29-Sep-2005.
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16.2 Open Bug Reports on MESA Bug System

Bug	Resolution
9	The software for tests 505 and 506 are both incomplete and will be incomplete with the 5.5.0 release. We have updated the documentation to make this more clear. We will complete the test software and correct the documentation in a future release.
21	MESA SR evaluation has difficulty when the tools encounter extra content items. To be repaired during Y5 development process.
33	Report creator test 1511 is incomplete
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243	Accept field is ambiguous in TF. Need CP resolution to close this issue.
246	Need some additional feedback from the user.

16.3 Bugs Listed/Fixed on MESA Bug System

Bug	Resolution

16.4 Other Updates

23.
