



Assurance Report

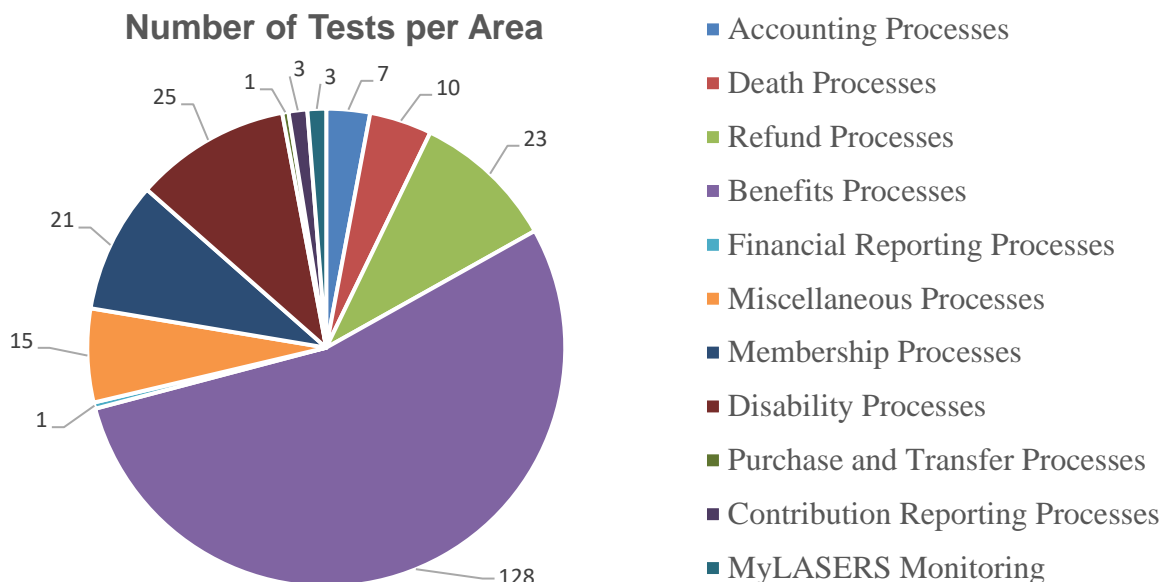
2101 Continuous Auditing

June 30, 2021

Cindy Rougeou, LASERS Executive Director
The LASERS Audit Committee

BACKGROUND

The continuous auditing project approach primarily consists of using automated testing techniques to review and analyze various processes at LASERS on a continual basis throughout the fiscal year. A couple of benefits to this approach are that it allows for confirmation that controls in place continue to function as intended and for a more timely identification of possible issues. The automated testing is performed at different intervals (i.e., daily, monthly, quarterly, annually) depending on the type of test, the area being tested, and the potential impact of the risk to LASERS. Issues identified are reviewed for validity and then provided to LASERS staff for verification and correction, when necessary. The following graphic is a breakdown of the 237 tests performed by the area tested and the number of tests in each area. For a description of the tests performed in each area, please see Appendix A.



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Cindy Rougeou, Executive Director

In addition, 27 new testing scripts were developed this fiscal year in the areas of benefits, death, disability, membership, miscellaneous, and refund processes. Along with these processes, testing scripts were created to monitor myLASERS logs.

ENGAGEMENT SUMMARY

1. AUTOMATED QUERIES FOR VARIOUS PROCESSES FOR FYE 2021

SUMMARY

The automated queries performed during FYE 2021 identified the following:

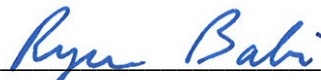
- Approximately \$40,344.10 of overpayments due to various reasons of which \$27,743.77 has been collected as of the fiscal year end.
- Approximately 15,930 records contained issues which required follow-up corrective action. A large majority of these results were due to a new script created that identified payee accounts that remained open even though it should have been closed because there are no further payments due from their account.

The following graphic is a breakdown of corrections by the area tested and the number of corrections for each area.

Number of Data Corrections per Area		
Process Area	Issues Identified	Percentage of Total Issues Identified
Benefits Processes	15767	98.98%
Membership Processes	125	0.78%
Refund Processes	16	0.10%
Disability Processes	14	0.09%
Death Processes	6	0.04%
Accounting Processes	1	0.01%
Miscellaneous Processes	1	0.01%
Grand Total	15930	100.00%



Reece Babin, CISA
Auditor



Ryan Babin, CPA, CIA, CISA
Audit Services Director

APPENDIX A

Accounting Processes

Test	Description
Payment amount on member invoice less than invoiced amount and invoice closed.	This test identifies invoices that have been closed, but the full amount of the invoice has not been collected. An invoice should not be closed until the full amount has been paid.
Invoices sent to a collection agency, but the collection agency id is null in SOLARIS.	This test would identify a data anomalies where an invoice was noted as being sent to the collection agency, but the collection agency id is null in SOLARIS.
Invoices greater than 3 years old that are not written off and no payments have been received and not sent to the collection agency.	The test name describes the test accurately. This is an issue because when an invoice is greater than 3 years old the prescriptive period lapses and is considered for a write-off.
Invoices in a pending status that should be closed.	This test would identify invoices that have been paid in full, but remain in a pending status instead of closed.
Invoices written off without being sent to collection agency.	This test will identify instances where an invoice was written off prior to attempting collection through the collection agency which should occur prior to all write offs.
Checks issued that are more than 90 days old not mark as unclaimed.	This test will identify instances where a check issued by LASERS is more than 90 days old and has not been changed to an unclaimed status, as per policy.
Several checks in an unclaimed or sent status for a payee	This test will identify instances where an individual has several instances where their monthly checks are either in unclaimed or sent status. This may indicate that they are possibly deceased.

Benefits Processes

Test	Description
Overpayments	This test determines any benefit overpayments due to death and verifies that any overpayments have a corresponding Accounts Receivable setup.
Survivor with Possible Wrong Classification Type	This test identifies annuitant survivors where the survivor classification type appears to be incorrect. This test could also identify possible overpayments for survivors that should have been suspended due to age and classification type.
Beneficiary Payments to Non-Beneficiary Retirement Options	This test determines if any monthly payments were made to beneficiaries of members that selected either Option 1 or Maximum retirement.
DROP period scheduled greater than that allowable period	This test identifies records in which the DROP period is scheduled for greater than 3 years for LASERS and 5 years for Harbor Police which is statutorily prohibited.
SOLARIS security related to benefit calculation processing	This test identifies instances in which the same retirement analyst was able to process a benefit calculation from the preliminary to the final phase of the benefit calculation process in SOLARIS.
SOLARIS security related to benefit calculation processing	This test identifies instances in which the same retirement analyst was able to process the final calculation and final approval phases of the benefit calculation process in SOLARIS.
IBO selection period greater than 36 months.	This test identifies instances in which the IBO amount paid was greater than the maximum allowed of 36 months.
Retroactive benefit component classified as ongoing	This test identifies instances where a retroactive benefit component is classified as ongoing. Retroactive benefit components should occur only one time and not continue each month.
Multiple active base benefit component per payee.	This test will identify instances where an individual has more than one active base benefit component on their payee record. This should not occur.
In service distribution from LASERS DROP account.	This test will identify instances where an individual had an in service distribution from a DROP account at LASERS (does not include DROP accounts with Great West). This should not occur.

Benefit component not classified as a base, COLA, retro, or DROP accrual type that is set to be distributed on an ongoing basis.	This test identifies instances where a benefit component is classified as ongoing that should not be.
DROP or IBO retiree with an incorrect benefit account type code.	This test identifies individuals that either selected an IBO or DROP retirement, but their benefit account type code doesn't reflect that retirement type.
In service distribution from LASERS DROP account at Great West.	This test will identify instances where an individual had an in service distribution from a DROP account at Great West. This should not occur.
Duplicate one time payments (non-retro; non DROP/IBO payment types).	This test will identify duplicate payments for payment types that should be considered one time. Retro payments are covered in another script and were not included. DROP/IBO payments were also excluded because as long as there is a positive balance, the payment is ok.
Negative DROP/IBO balance for accounts at LASERS.	This test identifies instances where an individual received more funds than were available in their DROP or IBO account housed at LASERS.
Non-Self-Directed Plan participants that should be in the Self-Directed Plan.	This test identifies individuals who are not in the Self-Directed Plan, but should be because their first eligibility date is on or after 7/1/2004.
Beneficiary of retiree not properly linked to retiree in SOLARIS.	This test identifies instances where a beneficiary of a retiree is not linked to the retiree in SOLARIS due to a technical error.
Beneficiary of retiree with a null SSN or SSN with all zeroes and retirement option not Maximum or Option 1.	This test identifies beneficiaries of a retiree whose SSN is missing or SSN is all zeroes and their retirement option is not Maximum or Option 1.
Beneficiary's base benefit is greater than the member retiree's base benefit.	This test will identify instances where the beneficiary's base benefit was more than the member's base benefit which should never be the case.

Retiree's termination date is null.	This test will identify records where the retiree's termination date field is null. This should not occur.
Retiree's termination date is after their retirement date.	This test will identify records where the retiree's termination date is after their retirement date. This should not occur.
Retiree's termination date is equal to their retirement date.	This test will identify records where the retiree's termination date is equal to their retirement date. This should not occur.
Retiree benefit accounts that should be closed	This test will identify instances where a retiree's benefit account remains open even though it should be closed because there are no further payments due from their account.
Replacement check amount or tax amount different from original check.	This test identifies instances where a replacement check is issued for a different check amount or tax amount than the original check. This would be the indication of a possible error or fraud.
Benefit component in pending status greater than a year old.	This test will identify benefit components that have been in a pending status for greater than a year. This would indicate a benefit recalculation should be reviewed before approving or rejecting.
Retirement Eligibility Rules Table Changes	This test will identify changes in the table that stores the various LASERS retirement eligibility rules. The data in this table rarely changes, but a change if made in error could have major impact to various areas within SOLARIS.
Option Factor Changes	This test will identify changes in the tables that stores the various LASERS actuarial option factors. The data in this table rarely changes, but a change if made in error could have major impact to various areas within SOLARIS.
Survivor Benefit Account with Retirement Option	This test will identify instances where a survivor benefit account also has a value in the retirement option field. This should not be the case because a survivor retirement doesn't include options.
Active Payees with Reactivation Date Missing	This test will identify instances where a cease payment date was placed on an active payee's record, but upon reactivation the reactivation date was not populated.
Multiple retro type payments issued within 30 days of each other	This test will identify instances where multiple retro type payments were issued in less than 30 days from each other. This is different than the other multiple tests in that the focus is not on a duplicate amount.

Active Payees with Payee Status Reason Code	This test will identify instances where an active payee has a value in the payee status reason code field. Generally, this field is only populated when the status is not active.
Closed Benefit Account with Non-Closed Payees	This testing script will identify instances where a payee is non-closed, but their associated benefit account is closed. This should not occur.
DROP In 100 percent FAC reached and after DROP Supplemental Received	This testing script will identify instances where an individual's DROP monthly benefit is 100 percent of their FAC and they received a supplemental benefit after retiring after DROP and a new FAC was not earned. In this instance, no supplemental benefit should be granted.
Rollover Payment Not Made to Institution	This test is to identify instances where the check is made to the individual and not an institution for a rollover payment type. According to IRS, all rollover payments are required to be made out to a qualified plan instead of an individual account.
Retiree where the safe harbor amount per the SOLARIS benefit account contribution summary does not match the amount per the payee record.	This test is to identify retirees that have retired since 1/1/2014 whose total original safe harbor amount per the benefit account contribution summary table does not match the total original safe harbor amount per the payee record.
Retiree where the safe harbor amount per the SOLARIS membership is greater than zero and does not match the amount per the SOLARIS benefits.	This test is to identify individuals that have unsheltered (safe harbor) funds per the SOLARIS contribution detail that also appear in the listing of individuals that retired since 1/1/2014 whose total original safe harbor amount per the contribution detail does not match either the benefit account contribution summary table or the total original safe harbor amount per the payee record.
Retiree where the safe harbor amount per the SOLARIS membership is zero, but the amount per the SOLARIS benefits is greater than zero.	This test is to identify individuals that also appear in the listing of individuals that retired since 1/1/2014 that do not have unsheltered (safe harbor) funds per the SOLARIS contribution detail whose total original safe harbor amount per the benefit account contribution summary table or the total original safe harbor amount per the payee record is not equal to zero.
Retiree where the safe harbor monthly exclusion amount per the SOLARIS payee does not match amount independently derived by Audit Services.	This test is to identify individuals that also appear in the listing of individuals that retired since 1/1/2014 whose safe harbor monthly exclusion amount per the SOLARIS payee does not match the independent amount derived by Audit Services.

Retiree where the safe harbor monthly exclusion amount per the SOLARIS payee does not match amount in the individual's payment history.	This test is to identify individuals that also appear in the listing of individuals that retired since 1/1/2014 whose safe harbor monthly exclusion amount per the SOLARIS payee does not match the monthly exclusion amount per the individual payments in the payment history.
Retiree where the safe harbor total remaining exclusion amount per the SOLARIS payee does not match amount independently derived by Audit Services.	This test is to identify individuals that also appear in the listing of individuals that retired since 1/1/2014 whose total safe harbor remaining exclusion amount per the SOLARIS payee does not match the amount independently derived by Audit Services.
Retirees with more than one benefit account to confirm safe harbor handled properly.	This test is to identify retirees that retired since 1/1/2014 and have more than one retiree benefit account to determine if safe harbor was handled properly.
Retiree whose option changed (mostly to max) and the new safe harbor monthly exclusion amount per the SOLARIS payee does not match amount independently derived by Audit Services.	This test is to identify retirees whose option changed since 1/1/2014 and the new monthly exclusion amount as per the first check of the popup does not match the monthly amount independently derived by Audit Services.
Beneficiary of retiree with a missing date of birth and retirement option not Maximum.	This test identifies beneficiaries of a retiree whose date of birth is missing and their retirement option is not Maximum.
Retirees with more than one alternate payee associated with their account which may affect their safe harbor calculation.	This test is to identify retiree benefit accounts with more than one alternate payee whose effective date was on or after 1/1/2014.
Retirees with an alternate payee and beneficiary associated with their account which may affect their safe harbor calculation.	This test is to identify retirees that have an alternate payee and beneficiary payee associated with the account that became effective since 1/1/2014.

Retiree with an alternate payee where the safe harbor amount per the SOLARIS membership is greater than zero and does not match the amount per the SOLARIS benefits.	This test is to identify individuals that have unsheltered (safe harbor) funds per the SOLARIS contribution detail that also appear in the listing of benefit accounts that have an alternate payee associated with their account that became effective on or after 1/1/2014 whose total original safe harbor amount per the SOLARIS benefit account contribution summary table and the total original safe harbor amount per the payee record for both the retiree and alternate payee are equal to zero.
Retiree with an alternate payee where the safe harbor amount per the SOLARIS benefits is greater than zero.	This test is to identify alternate payees that became effective since 1/1/2014 and the associated benefit account has unsheltered (safe harbor) funds associated with the account.
Alternate payee with a base benefit change which may affect their safe harbor calculation.	This test is to identify alternate payees that became effective since 1/1/2014 and the base benefit changed after the initial payment and there is a safe harbor amount greater than zero for the associated benefit account.
Alternate payee where the safe harbor monthly exclusion amount per the SOLARIS payee does not match the amount in the individual's payment history.	This test is to identify alternate payees that became effective since 1/1/2014 whose safe harbor monthly exclusion amount per the SOLARIS payee does not match the monthly exclusion amount per the individual payment in the payment history.
Retiree with an alternate payee where the safe harbor monthly exclusion amount per the SOLARIS payee does not match the amount in the individual's payment history.	This test is to identify retirees with an associated alternate payee that became effective since 1/1/2014 whose safe harbor monthly exclusion amount per the SOLARIS payee does not match the monthly exclusion amount per the individual payment in the payment history (retiree associated with alternate payees) after the alternate payee's first check date.
Retiree with an alternate payee where the safe harbor total remaining exclusion amount per the SOLARIS payee does not match amount independently derived by Audit Services.	This test is to identify are retirees with an associated alternate payee that became effective since 1/1/2014 whose total safe harbor remaining exclusion amount per the SOLARIS payee does not match the amount independently derived by Audit Services.

Benefit account with multiple retiree payees with a beneficiary payee which may affect their safe harbor calculation.	This test is to identify instances where there is more than one retiree payee associated with a benefit account where an annuity beneficiary became effective since 1/1/2014 and there is a safe harbor amount greater than zero for either the retiree or beneficiary payee.
Benefit account with multiple beneficiary payees which may affect their safe harbor calculation.	This test is to identify instances where there is more than one beneficiary annuity payee that became effective since 1/1/2014 associated with one benefit account.
Beneficiary where the safe harbor amount per the SOLARIS benefit account contribution summary does not match the amount per the payee record for the retiree and beneficiary combined.	This test is to identify lifetime annuity beneficiaries that became effective since 1/1/2014 and the associated retiree payee became effective after 12/31/1990 whose total original safe harbor amount per the SOLARIS benefit account contribution summary does not match the total original safe harbor amount per the retiree and beneficiary payee records combined.
Beneficiary where the safe harbor monthly exclusion amount per the SOLARIS payee does not match amount from the retiree's final monthly payment.	This test is to identify lifetime annuity beneficiaries that became effective since 1/1/2014 and the associated retiree payee became effective after 12/31/1990 whose monthly safe harbor exclusion amount per the beneficiary does not match the monthly safe harbor exclusion amount from the retiree's final monthly payment.
Beneficiary where the safe harbor monthly exclusion amount per the SOLARIS payee does not match amount from the individual's payment history.	This test is to identify lifetime annuity beneficiaries that became effective since 1/1/2014 and the associated retiree payee became effective after 12/31/1990 whose monthly safe harbor exclusion amount per the beneficiary does not match the monthly safe harbor exclusion amount per the individual payments in the payment history.
Beneficiary where the safe harbor total remaining exclusion amount per the SOLARIS payee does not match amount independently derived by Audit Services.	This test is to identify lifetime annuity beneficiaries that became effective since 1/1/2014 and the associated retiree payee became effective after 12/31/1990 whose total safe harbor remaining exclusion amount per the SOLARIS payee does not match the amount independently derived by Audit Services.

Beneficiary where the safe harbor amount for the retiree per the SOLARIS membership is greater than zero and does not match the amount per the SOLARIS benefits for the retiree and beneficiary combined.	This test is to identify lifetime annuity beneficiaries that became effective since 1/1/2014 and the associated retiree payee became effective after 12/31/1990 whose total original safe harbor amount per the SOLARIS contribution detail does not match either the benefit account contribution summary table or the total original safe harbor amount per the retiree and beneficiary payee record.
Survivor where the safe harbor amount for the deceased member per the SOLARIS membership is greater than zero and does not match the amount per the SOLARIS benefits.	This test is to identify survivor payees that became effective since 1/1/2014 that have a safe harbor amount per the SOLARIS contribution detail, benefit account contribution summary table, or per the total original safe harbor amount per the survivor payee record.
Survivor whose base benefit has changed which may affect their safe harbor calculation.	This test is to identify survivor payees whose base benefit changed since 1/1/2014 and there is a safe harbor amount associated with the payment that changed.
Survivor where the safe harbor monthly exclusion amount per the SOLARIS payee does not match amount from the individual's payment history.	This test is to identify survivor payees that became effective since 1/1/2014 whose safe harbor monthly exclusion amount per the SOLARIS payee does not match the monthly exclusion amount per the individual payment in the payment history.
Survivor where the safe harbor total remaining exclusion amount per the SOLARIS payee does not match amount independently derived by Audit Services.	This test is to identify survivor payees that became effective since 1/1/2014 whose total safe harbor remaining exclusion amount per the SOLARIS payee does not match the amount independently derived by Audit Services.

Safe harbor recaptured for payments where it should not have been.	This test is to identify all payments since 1/1/2014 whose monthly safe harbor exclusion amount per the SOLARIS payment history was greater than zero for a payment type where safe harbor should not be recaptured for.
Safe harbor paid to date below zero per SOLARIS benefits.	This test is to identify all payees that became effective since 1/1/2014 whose safe harbor paid to date amount per the SOLARIS payee is negative and the payee account is not closed.
Safe harbor monthly exclusion is zero, but the total available safe harbor (original amount) is greater than zero.	This test is to identify all non-refund payees that became effective since 1/1/2014 whose safe harbor monthly exclusion amount per the SOLARIS payee is equal to zero, but the safe harbor original amount and remaining exclusion amount is greater than zero and the payee status is not equal to closed.
Safe harbor total remaining exclusion amount is not equal to zero, but the total available safe harbor (original amount) is zero.	This test is to identify all non-refund payees that became effective since 1/1/2014 whose safe harbor remaining exclusion amount per the SOLARIS payee is not equal to zero, but the safe harbor original amount is equal to zero and the payee status is not equal to closed.
Retroactive type benefit payments where the safe exclusion amount does not match amount independently derived by Audit Services.	This test is to identify all retro type payments issued since 1/1/2014 whose safe harbor monthly exclusion amount for that payment does not match the amount independently derived by Audit Services and the individual's first monthly benefit payment was received after 1/1/2014.
Replacement type benefit payments where the safe exclusion amount on the original payment does not match amount on the replacement payment.	This test is to identify all replacement type payments issued since 1/1/2014 whose safe harbor monthly exclusion amount for that payment does not match the safe harbor monthly exclusion amount from the original payment being replaced.
Residual type payments where the safe harbor per the payment does not match the remaining amount per the payee record.	This test is to identify all residual payout payments since 1/1/2014 where the member died since 1/1/2014 and whose total safe harbor amount per the SOLARIS payment history does not match the total safe harbor amount remaining per the member's payee record.

Election Mapping Table Changes	This test will identify changes in the table that stores the various LASERS retirement election mapping rules. The data in this table rarely changes, but a change if made in error could have major impact to various areas within SOLARIS.
Retirement Class Table Changes	This test will identify changes in the table that stores the retirement classes used by SOLARIS. The data in this table rarely changes, but a change if made in error could have major impact to various areas within SOLARIS.
Retirement Eligibility Table Changes	This test will identify changes in the table that stores the retirement eligibility information used in benefit calculations. The data in this table rarely changes, but a change if made in error could have major impact to various areas within SOLARIS.
Retirement Eligibility Mapping Table Changes	This test will identify changes in the table that stores the retirement eligibility mapping information used in benefit calculations. The data in this table rarely changes, but a change if made in error could have major impact to various areas within SOLARIS.
Retirement Option Table Changes	This test will identify changes in the table that stores the retirement option information used in benefit calculations. The data in this table rarely changes, but a change if made in error could have major impact to various areas within SOLARIS.
Retirement Option Mapping Table Changes	This test will identify changes in the table that stores the retirement option mapping information used in benefit calculations. The data in this table rarely changes, but a change if made in error could have major impact to various areas within SOLARIS.
Retirement Plan Category Table Changes	This test will identify changes in the table that stores the retirement plan category information in SOLARIS. The data in this table rarely changes, but a change if made in error could have major impact to various areas within SOLARIS.
Retirement Plan Type Table Changes	This test will identify changes in the table that stores the retirement plan type information in SOLARIS. The data in this table rarely changes, but a change if made in error could have major impact to various areas within SOLARIS.
Retirement Type Table Changes	This test will identify changes in the table that stores the retirement type information used in benefit calculations. The data in this table rarely changes, but a change if made in error could have major impact to various areas within SOLARIS.

SGR Count Table Changes	This test will identify changes in the table that stores the safe harbor monthly factors used in benefit calculations. The data in this table rarely changes, but a change if made in error could have major impact to various areas within SOLARIS.
Survivor Benefit Account with Incorrect Membership Status	This test identifies survivor benefit account types that do not have a membership status code of deceased, survivor, or refund.
Checks with Zero Amount	This test identifies non-cancelled checks that have been issued for a zero gross amount.
Ineligible Monthly Payment to Survivor	This test identifies "spouse" type annuitant survivors of members with less than 10 years of service credit or "child/student" type annuitant survivors of members with less than 5 years of service credit who were not killed in the line of duty and are receiving monthly benefit payments. These type of situations should not exist.
In Progress DROP IBO Transactions	Test to identify DROP/IBO transactions that have been in an "in progress" status for an extended period of time.
In Progress DROP IBO Withdrawals	Test to identify DROP/IBO withdrawals that have been in an "in progress" status for an extended period of time.
Ineligible Benefit Payment to Option 3 Rehired Retiree Not Properly Invoiced	Identify instances where an individual is contributing and actively receiving a benefit and any ineligible payments were not properly invoiced.
Retiree with Option for Lifetime Annuity to Beneficiary with Multiple Primary Beneficiaries	Identify instances where a retiree that selected a retirement option that leaves a lifetime annuity to their beneficiary has multiple primary beneficiaries designated in SOLARIS. This type of situation should not exist.

DROP Transactions Not Associated with DROP Payee Type	Identify instances where DROP transactions are not associated with a DROP payee type. This type of situation should not exist.
DROP Withdrawals Not Associated with DROP Payee Type	Identify instances where DROP withdrawals are not associated with a DROP payee type. This type of situation should not exist.
Interim DROP Payments with Federal Tax Withheld Less than 20 Percent	Identify instances where the federal tax withheld on interim DROP payments is less than 20 percent. This is the standard percentage withheld and the exceptions requires explicit instruction from the retiree or beneficiary payee.
Non-refunded membership records with residual contributions	This test identifies non-refunded membership records that have residual contributions when the contribution balance should be zero.
CDB Rate Table Changes	This test will identify changes in the table that stores the CDB rate, which has no data.
Cancelled Checks With Credit Union Deduction Not Properly Invoiced	Identify checks cancelled within the last three years that included a credit union deduction, but either an invoice was not setup or not setup for the correct amount.
Credit Union Payments With Different Amounts in SOLARIS and JDE	Identify payments in SOLARIS and JDE made to credit union organizations within the last three years that have different payment amounts. This test will determine if payments recovered from the credit union were overpaid to the member or if replacement payments were not properly cancelled.
CLASS Table Changes	This test will identify changes in the table that stores the class information, which has no data.
Rollover of unsheltered contributions	This test will identify rollover payments where the benefit type code per the PAYMENT_HISTORY_BENEFIT contains an unsheltered type and amount. Rollover payments should not contain unsheltered funds.
COUNTY Table Changes	This test will identify changes in the table that stores the county information, which has no data.
NG_RANK Table Changes	This test will identify changes in the table that stores the NG rank information, which has no data.

NG_SALARY Table Changes	This test will identify changes in the table that stores the NG salary information, which has no data.
Non-vested members received both a lump sum leave payment and leave converted in benefit calculation	This test will identify anyone that has received both a lump sum leave payment and had leave converted in their benefit calculation. Valid instances would occur when a member exceeds 100% vesting either before or after the unused leave conversion.
Actuarially reduced or early retirement selected along with DROP or IBO	This test will identify individuals that selected an actuarially reduced or early retirement and also DROP or IBO. This is not allowed per statute.
Leave payment amount per the process retirement matches the payment history	This test will confirm that leave payment amount per the process retirement matches the payment history.
Leave payments issued above a certain threshold	This test will identify leave payments issued above a certain threshold.
Residual employee contribution payments issued above a certain threshold	This test will identify residual employee contribution payments issued above a certain threshold.
Monthly benefit payments issued above a certain threshold	This test will identify monthly benefit payments issued above a certain threshold.
Monthly DROP accrual amounts above a certain threshold	This test will identify monthly DROP accrual amounts above a certain threshold.
Payment associated with the improper payee type.	This test will identify payment types associated with the improper payee type.
Data changes between Preliminary and Final Calculation	This test will identify changes for certain data fields between the preliminary and final retirement calculation. The focus will be on fields that do not typically change between these two steps in the calculation process (.e. retirement option, retirement plan code, option reduction factor, etc.).
No Domestic Relations Order exists for the alternate payee receiving a benefit.	This test is to identify alternate payees receiving a benefit, but no Domestic Relations Order exists in OPTIMUS.

Option 2B retirees with an incorrect retirement option code	Currently, retirement Option 2B benefit calculations are performed in the Retirement module using Maximum as the retirement option with a manual adjustment to arrive at the correct benefit amount. There is a manual process in the Benefit Account to change the Retirement Option from Maximum to Option 2B. This test would identify possible data discrepancies where the retirement option was not manually changed.
Alternate payees receiving a benefit before the member payee	This test is to identify alternate payees that began receiving a benefit before the member payee.
Active alternate payee and member type payee not active	This test is to identify active alternate payees not associated with active member type payees.
Domestic Relations Order exists in Optimus but no alternate payees exist in SOLARIS.	This test is to identify active alternate payees not associated with active member type payees.
Non-Maximum Benefit Calculations with Missing Information	Non-max retirement calculation with missing or incomplete retiree or bene info: This test identifies non-maximum type retirees whose retirement calculation does not contain a member DOB, beneficiary first name, last name, or beneficiary DOB. This information is required to complete a retirement calculation.
Individuals Not Eligible for 1986 COLA	This test will identify retirees who joined LASERS on or after July 1, 1986 but received the \$25 per month COLA designated only for individuals that joined before July 1, 1986. Note: Only those individuals whose calculation was performed since SOLARIS go-live are being tested.
Payee accounts that should be closed	This test will identify instances where a payee account remains open even though it should be closed because there are no further payments due from their account.
DROP/IBO Balance Zero Indicator	This test will identify instances where there is a possible discrepancy in the field that indicates that a DROP/IBO balance in a payee account is zero.
Option 4A Retiree without a Spouse Beneficiary	This test will identify instances where the retirement beneficiary for an Option 4A retiree is not designated as spouse.
Non-DROP/IBO Benefit Account with a DROP beneficiary record	This test will identify active benefit accounts that are not DROP/IBO to verify that they do not have a DROP/IBO type beneficiary record, per the beneficiary table.

DROP/IBO Benefit Accounts without both DROP and RETR Beneficiary Type Code	This test will identify active benefit accounts with an account type of DROP/IBO to verify that they have a DROP and RETR type beneficiary, per the beneficiary table.
Payee records with the same bank account number	This test will identify active payees where the same routing and bank account number exist for different individuals.
Reported earnings for Option 1A Rehired Retirees were over the allowed amount and not invoiced or not invoiced for the correct amount.	This will identify reported earnings for Option 1A Rehired Retirees that were over the allowed amount and not properly invoiced.
Option 1A Rehired Retirees Excess Earnings Invoice With No Excess Earnings in SOLARIS	This test will identify option 1A rehired retirees individuals invoiced for excess earnings but do not have an entry in the SOLARIS excess earnings table.
DROP Transaction not tied to a DROP benefit account	This test will identify instances in the DROP Transactions table where there is a null/missing DROP_BENEFIT_ACCOUNT_ID.
RSEA deductions that are not equal to \$1.50	RSEA deductions for benefit recipients are fixed at \$1.50. This test will identify instances where RSEA deduction amounts are not equal to \$1.50.
Vendor Deduction Amount Changes	The test will identify benefit deductions that have changed when compared to the prior month's payment to ensure changes were not made in error.
Non-Max retirement calculation with no corresponding beneficiary record	This test will identify active benefit accounts with a non-maximum retirement option to verify that a beneficiary record has been established, per the beneficiary table.
More than one beneficiary associated with a person when this is not allowed	This test should identify a person with more than one beneficiary record, per the beneficiary table when this is not allowed.
Residual payment was more than the residual amount available.	This test will identify instances where the MAXIMUM payout does not match the residual amount available.

Contribution Reporting Processes

Test	Description
Contribution payroll start and end dates do not match agency pay calendar dates.	This test will identify instances where the payroll start date and the payroll end date on contribution records do not match the agency pay calendar based on the contribution record pay frequency (i.e., Bi-weekly, monthly, etc.).
Contribution report year month does not match payment year month	This test will identify instances where the contribution reporting year and month do not match the associated payment date year and month.
Contribution Error Table Changes	This test will identify changes in the table that stores the various exceptions that generate on contribution records when certain rules are violated. The data in this table rarely changes, but if a change is made, it should be reviewed and possible action should be taken depending on what type of exception was changed.

Death Processes

Test	Description
Generate Weekly Death File	Generates file based on check recipients for the previous month
Check for Death Dates	Once the death file comes in from Lexis Nexis and DHH this test is manually done to check for death dates in SOLARIS. The results are sent to Member Services and Fiscal staff.
Follow-up Death Date Check	Automatically checks those reported as deceased through the death vendor to determine if death dates have been entered into system and/or account has been held or suspended.
Checks after Death Request	This test determines if any deceased individual has received a benefit after the death request was submitted. (10 day tolerance established because checks are actually generated prior to the first of the month).
Death Date Mismatch (Part A)	Compares death date in the system to the verified death date on the death notification/request for a mismatch. Also, performs comparisons between the reported date of death and the death date when death date has not been verified.
Membership status deceased with no death date entered	This will identify membership records whose status is marked as deceased, but they do not have a death data in SOLARIS which could indicate a possible data anomaly.

Death date verified indicator checked and no death date in the person table.	This will identify individuals that have the verified date of death indicator checked in the Death Request table, but the death date in the Person table is null. This is an indication of the data inconsistency.
Death date and status active	This will identify individuals that have a date of death in the Person table, but the status code in the Person table is active. This is an indication of the data inconsistency.
Payee possibly deceased without date of death in SOLARIS	This test identifies payees with no date of death in SOLARIS, but are possibly deceased based on the payee status reason and comments fields.
Death date verified indicator	This test will identify instances where there is a possible discrepancy in the field that indicates that a death date in SOLARIS has been verified.

Disability Processes

Test Name	Description
Disability and DROP/IBO	This test will identify instances in which an individual selected the DROP or IBO option and is a disability retiree. This is not allowed per statute.
Disability Retirees with No Case	This test will identify instances where an individual has a disability benefit account but does not have a case. A benefit account should not be established until after a disability case has been reviewed and approved.
Disability Appointment 3 months in the future	This test will identify a disability appointment three months in the future which should not occur.
Retired for greater than one year but no Annual Attending Physician Statement	This test will identify instances in which a disability retiree has been retired for at least a year but has not undergone an annual physician review.
Disability Retiree Exempt from Recertification	This test will identify disability retirees that are classified as exempt from the recertification process. No one should be exempt.
Disability Excess Earnings Invoice Testing	This test will identify instances in which an individual had disability excess earnings but either did not have an invoice setup or setup for the incorrect amount.
Doctor with Expired License Conducting Appointments	This test identifies doctors with an expired license per SOLARIS that have been scheduled for disability appointment for after their license expiration date.

Approved Doctor with Lifetime License	This test will identify approved doctors that have a lifetime license. No doctor should have a lifetime license.
Approved Doctor with No License on Record	This test will identify approved doctors that that do not have a license on record.
Disability retiree suspended for greater than one year.	This test will identify instances where a disability payee has been suspended for greater than one year. This may indicate a potential error since after a year these individuals should be brought to the board for revocation of their benefit and the benefit account would potentially be changed to closed or terminated.
Disability Retiree not approved by the Board	This test will identify instances in a disability retiree was not approved by the Board.
In Progress Disability Case with a Retirement Benefit Account	This test will identify instances in which a disability case is in progress but a benefit account has been established. The benefit account should not be setup until after case is in approved status.
AAPS Appointments Not Invoiced	This test will identify any AAPS appointments that do not have an invoiced amount. AAPS appointments can be paid for by LASERS with the appropriate documentation submitted. This test will identify any AAPS that should be paid for and a payment has not been sent.
Return to Work Incorrect Classification	This test will identify any members classified as Disability Return to Work that are incorrectly classified.
Multiple In Progress Disability Records	This test will identify any members with multiple disability cases in progress. This should not occur.
Member Deceased and has a Disability Case In Progress	This test will identify any deceased members with a disability cases in progress.
AAPS Appointments Complete and Incomplete Doctor	This test will identify instances where an AAPS appointment was recently completed and the doctor information is not filled out correctly.
AAPS Completed According to Schedule	<p>This test will identify disability retirees who have not completed their AAPS according to schedule.</p> <p>AAPS schedule pre-process change (before 9/11/2019): Every year for the first five years and every three years until the member meets regular eligibility.</p> <p>AAPS schedule post process change (9/11/2019 and after): Every three years until the member meets regular eligibility.</p>

Disability Retirees Actively Contributing and Receiving Benefit	This test will identify any individual that has an active membership and is actively contributing while receiving a disability retirement benefit.
Disability Case Approved Board Decision Not Approved	This test will identify disability cases with an approved status but the most recent board decision is not approved.
Disability Case Approved Most Recent IME Not Approved	This test identifies instances where the most recent IME appointment is not approved, but the disability case is approved. If the IME appointment status is MOREINFO, then the case review or further test should be approved.
AAPS Returned Before Appointment Date	The AAPS is sent 90 days before the due date for the member which is the appointment date in SOLARIS. This test identifies individuals who have turned in their AAPS before the appointment date. A member cannot return an AAPS form until the correspondence has been sent.
Benefit Payments Paid to Individuals With Late or Past Due AAPS	This tests identifies payments made to disability retirees that have a late or past due AAPS. According to procedures, a member's disability benefit should be suspended if an AAPS is not turned in before the due date. If the AAPS is not turned in a year after the due date, the individual's benefit account is terminated by the board.
Reevaluation Process is Correct If Member has an AAPS with a MOREINFO Status	This test identifies individuals whose AAPS status was MOREINFO, meaning they should be reevaluated, and determines if they followed the correct reevaluation process. The individual's reevaluation consists of a case review and IME. If the case review is approved by the doctor, the reevaluation process is complete. If the case review has a status of MOREINFO, an IME must be completed. In some cases, a second case review may be completed. If the status of the second case review is approved, the reevaluation process is complete. If the IME is denied, the member's benefit should be sent to the board to be terminated.
AAPS Payments Processed	<p>This test identifies AAPS appointments paid for by LASERS to confirm that the payment process was followed and the appropriate payee received payment.</p> <p>According to the AAPS process, an individual must submit a MEDBILL along with medical documentation. The payment must be submitted straight to the physician and the member cannot be reimbursed.</p>

Financial Reporting Processes

Test Name	Description
Individual able to approve own journal entries	This test identifies any users in the accounting system (JD Edwards) that has access to approve their own journal entries.

Membership Processes

Test Name	Description
Membership with No Enrollment	This test will identify instances in which a membership record does not contain an enrollment record.
Unsheltered Contribution Testing	This test will identify instances in which unsheltered contributions was reported by an agency to LASERS incorrectly.
Active employee with an inactive agency	This test will identify instances in which an active member has an active record associated with an agency that is inactive.
Member exceptions on individuals in a retirement, refund, or transfer out status.	This test will identify instances where an individual is in either a refund, retirement, or transfer out status and there is an active exception on their account contribution history. All exceptions should be cleared before final processing for individuals in the aforementioned categories.
Duplicate contribution entries in the member's account history.	This test will identify instances where an individual has a duplicate contribution account history record in SOLARIS which should not occur.
Membership with No Hire Date	This test will identify instances in which a membership record does not have a hire date.
Actively contributing with no active enrollment	This test will identify instances where an individual is actively contributing with an agency, but doesn't have an active enrollment with that agency. NOTE: This test required F.001 and F.003 to be run at the same time.
Membership service credit greater than 1 year in a calendar year period	This test will identify instances where an individual received membership service credit in a given year that totaled more than a year which is not allowable per statute. Note: This doesn't include purchases, transfers, reciprocals, etc.

Active in LASERS ORP and contributions submitted for the LASERS defined benefit plan	This test will identify instances where an individual is active in the LASERS ORP plan and LASERS received defined benefit plan contributions. This is not allowable.
Retirement Plan Table Changes	This test will identify changes in the table that stores the various LASERS retirement plans and serves as a cross reference table. The data in this table rarely changes, but a change if made in error could have major impact to various areas within SOLARIS.
Contribution Rate Table Changes	This test will identify changes in the table that stores the various LASERS contribution rates and serves as a cross reference table. The data in this table usually changes once a year, but a change if made in error could have major impact to various areas within SOLARIS.
Rank and file retirement plan invalid combinations	This test will identify individuals that have service credit in multiple rank and file retirement plans which is illogical.
Active enrollment associated with non-active membership	This test will identify instances where an individual has an active enrollment that is associated with a non-active membership. This would indicate a possible error since an active enrollment correlates with an active type membership status.
Active type membership not associated with an active type enrollment	This test will identify instances where an individual has an active type membership that is not associated with an active type enrollment. This would indicate a possible area since an active type enrollment correlates with an active type membership status.
Retired with no Membership End Date	This test will identify instances where an individual has a retirement date in an active benefit account type that is associated with a membership that has a retired membership status with no membership end date.
Active member where a contribution detail entry is classified as sheltered, but has the unsheltered reason field populated.	This test is to identify active members that have contribution detail entries with an unsheltered reason for military leave without pay, but the type of pay is not unsheltered.
Rehired retirees with ineligible contributions.	This test will identify instances of rehired retirees that selected an option where they should not contribute, but are contributing to LASERS.
Contribution entry associated with the improper membership type	This test will identify contribution entries associated with improper membership type.
Membership records with no membership status	The test will identify membership records with no membership status which should not occur.

Contribution with no membership.	This test will identify contribution detail records that are not associated with a membership record in SOLARIS.
Active enrollment without contributions should be inactivated.	This test will identify enrollment records that are active and should have been inactivated by the SOLARIS inactive batch. In general, this batch is designed to manage active enrollment records for individuals that do not have recent contribution activity and are not on LWOP.

Miscellaneous Processes

Test	Description
Regular Service Retirement Eligibility Test (Regular, Corrections Primary, Corrections Secondary, Wildlife, Judicial, and Legislative retirement plans covered)	This test determines that all Regular service retirees have at least 10 years of Service Credit.
SOLARIS SuperUser Test	This test determines if any employees are granted the SuperUser role in SOLARIS
Payments made in advance	This test determines if payments are made in advance. (Day tolerance used)
Checks issued with no name	This test determines if payments are issued without a name.
Accurant search activity analysis	This testing script will analyze search activity performed by LASERS staff on the Accurant system. This system contains highly sensitive information and this test is intended to identify misuse.
Payment issued with no Address	Identify checks issued with no address. This should not occur since the pension payroll process has an exception that will catch this prior to final payroll being run which will allow for it to be corrected before being processed.
Web Role Table Changes	This test will identify changes in the table that stores the retirement type information used in benefit calculations. The data in this table rarely changes.
PersonID with a blank SSN used in the beneficiary table.	This test will identify records with blank SSN values in the person table whose associated Person_ID is found in the SOLARIS beneficiary table.

PersonID with a blank SSN used in the benefit account table.	This test will identify records with blank SSN values in the person table whose associated Person_ID is found in the SOLARIS benefit account table.
PersonID with a blank SSN used in the membership table.	This test will identify records with blank SSN values in the person table whose associated Person_ID is found in the SOLARIS membership table.
PersonID with a blank SSN used in the payee table.	This test will identify records with blank SSN values in the person table whose associated Person_ID is found in the SOLARIS payee table.
PersonID with a duplicate SSN used in other tables	Identify duplicate SSN values in the person table.
Maintain Agency Table Changes	This test will identify changes in the table that stores the employer agency type information. The data fields included in this test are the ones that rarely change.
Dormant Accurant User Accounts	This test will identify Accurant user accounts that are active and have been dormant for over 6 months. These accounts should be evaluated to determine if they should be suspended.
Active Accurant User Training	This test will determine if an active user needs to be added to the training tracking document or if an active user needs to complete training.

MyLASERS Monitoring

Test	Description
Null LASERS_ID in Lasers Profile	This test will identify any null LASERS IDs in the Lasers_Profile table. There should not be any null LASERS_IDs since all myLASERS accounts created should be tied to a LASERS member or benefit recipient.
Duplicate LASERS_ID in Lasers Profile	This test will identify any duplicate LASERS IDs in the Lasers_Profile table. There should not be any duplicate LASERS_IDs since a LASERS_ID can be tied to only one myLASERS account.
Person with Greater Than 5 MyLASERS Account Registration Attempts	This test will identify myLASERS person registration attempts that are greater than 5. This will indicate attempts to register for a person across all Okta identity accounts where that SSN was entered for registration. This may indicate an unauthorized user that is trying to access a member's information.

Purchase and Transfer Processes

Test	Description
Repay refund after transfer into the hazardous duty plan.	This test will identify instances where an individual repaid a refund after completing a transfer into the hazardous duty plan. When this occurs, the repay refund has to be handled in the same manner as the transfer. In other words, the repaid time has to be transferred into the hazardous duty plan.

Refund Processes

Test	Description
Duplicate Refund Checks	Tests for duplicate refund checks issued.
Tax Withheld	Identifies any instance where the correct federal tax amount was not withheld for a refund payment. This covers both rollover and non-rollover situations.
Member and Payee Different not Due to Death	Identifies any instances in which a refund was issued to an individual that is not the member and not due to death.
Refund Payment but Status not Refunded	This test will identify instances in which an individual received a refund payment but their status is not classified as refunded.
Refund Survivor Payment but Status not Survivor	This test will identify instances in which an individual received a refund survivor payment but their status is not classified as survivor.
Refund Checks not Match Contribution Amount	This test is for a refund check that was issued to someone for an amount that is different than the EEs contributed into the system. This also checks detailed sheltered and unsheltered EEs amounts.
Emergency Refunds with No Form in OPTIMUS	This test will identify individuals that received an emergency refund but no emergency refund form exists in Optimus.
Rollover Refund Payment Errors	Identifies refund checks classified as a rollover but the payment type is not a rollover and vice versa.
Non-member Payee not Classified as Survivor Refund	Identifies refund checks issued to a non-member payee that is not classified as a survivor type.
Member Payee Classified as Survivor Refund	Identifies refund checks issued to a member payee that is classified as a survivor type.

Pay to Name and Mail Name Discrepancies	Identifies refund checks in which the mail to and pay name match for a rollover or do not match for a non-rollover.
Refunded with no termination date in SOLARIS	Identifies instances where an individual refunded, but does not have a termination date in SOLARIS. Per procedure, a termination date is required for a refund to be processed.
Refunded return to state service less than 30 days	Identifies individuals that did not remain unemployed from LASERS service at least thirty days and received a refund. This is prohibited per statute.
Payee or refund benefit accounts whose status is active.	Identifies instances where a refund payee or benefit account status code is active and should be closed. SOLARIS has a batch that runs on a routine basis designed to identify refund accounts where the refunds have been processed and; therefore, the status should be marked as closed. It should be noted that the batch has a built in 6 month waiting period before changing these statuses. This test is confirming that this batch is working as intended.
Non-survivor refund where safe harbor per payment doesn't match amount per the SOLARIS membership.	This test is to identify all non-rollover refund payments since 1/1/2014 whose total safe harbor amount per the SOLARIS payment history does not match the total safe harbor amount per the refunded membership.
Survivor refund where safe harbor per payment doesn't match amount per the SOLARIS membership.	This test is to identify all survivor non-rollover refund payments since 1/1/2014 whose total safe harbor amount per the SOLARIS payment history does not match the total safe harbor amount per the membership.
Refund Payment to Deceased Member	This test is to identify a refund (non-survivor) payment type issued to a deceased member. In these situations, a survivor refund payment type should be issued.
Refund payments with unsheltered funds greater than or equal to \$500	This test will identify refund payments (excluding those that are required minimum distributions) with unsheltered funds that are greater than or equal to \$500.
Refund payments issued above threshold	This test will identify refund payments issued above a certain threshold.
Replacement check amount or tax amount different from original check.	This test identifies instances where a replacement check is issued for a different check amount or tax amount than the original check. This would be the indication of a possible error or fraud.

Refunded membership records with residual contributions.	This test identifies refunded membership records that have residual contributions when the contribution balance should be zero.
Payee accounts that should be closed	This test will identify instances where a payee account remains open even though it should be closed because there are no further payments due from their account.
Emergency refund indicator was not checked but emergency refund form exists in Optimus.	This test identifies possible errors with the emergency refund indicator in the refund detail table by identifying instances in which the emergency refund indicator was not checked, but an emergency refund form exists in Optimus.