**CCO eCoaching DB Unit Test Document**

* **ETS Load process**

April 4, 2018

Change History Log

| Date | Revision | Change Description | Author |
| --- | --- | --- | --- |
| 11/17/14 | 1.0 | Initial Revision. SCR 13659. | Susmitha Palacherla |
| 01/19/2015 | 2.0 | SCR 14031 to incorporate OA Reports | Susmitha Palacherla |
| 08/07/2017 | 3.0 | TFS - 7105 - SQL Server 2012 Upgrade - SSIS Packages  Rewrote doc to standardize test cases and remove TFS specific test cases | Susmitha Palacherla |
| 3/22/2018 | 4.0 | TFS –7854 Data File Encryption. | Susmitha Palacherla |
| 4/4/2018 | 5.0 | TFS 10524 Move apps away from E Drive and TFS 10532 drop ETS Fact table | Susmitha Palacherla |
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## SCR 13659 Initial Load process setup

| Item | Description |
| --- | --- |
| Change Type | Change Request |
| Change Description | Set up a load process to load ETS report feeds into eCL. |
| Test Environment | eCoaching\_Dev database on vrivfssdbt02\scord01,1437 |
| Code Doc | ETS\_Coaching.dtsx and supporting code modules documented in the below code docs. |
| Code doc | CCO\_eCoaching\_ETS\_Load\_Create.sql  CCO\_eCoaching\_Functions.sql  CCO\_eCoaching\_Log\_Create.sql  CCO\_eCoaching\_Maintenance\_Create.sql |
| Notes | Loaded ETS test files into the eCoachingDev database and verified that the file loaded successfully, sent the appropriate notification and appeared correctly in the user dashboards. |

| TEST# | ACTION | EXPECTED RESULTS | RESULTS  P/F/I | COMMENTS |
| --- | --- | --- | --- | --- |
| 1a. | Overall Load process test.  To test the SSIS package ETS\_Coaching.dtsx to verify that package runs without any issues.  eCl\_ETS\_Feed\_ITDA20141110.csv  eCL\_ETS\_Feed\_FWH20141110.csv | Files load successfully. | P |  |
| 1b. | Check records in Coaching\_Log, Coaching\_log\_reason , rejected tables.  select \* from EC.Coaching\_Log  where coachingid >=16383  and sourceid = 221  and submitteddate > '2014-11-17 00:00:00.000'  SELECT \*  FROM [eCoachingDev].[EC].[Coaching\_Log\_Reason]  where [CoachingID]>= 16430  GO  SELECT \*  FROM [eCoachingDev].[EC].[ETS\_Coaching\_Rejected]  where reject\_date > '2014-11-17 00:00:00.000'  GO  SELECT \*  FROM [eCoachingDev].[EC].[ETS\_Coaching\_fact]  where inserted\_date > '2014-11-17 00:00:00.000'  GO | 39 records loaded to Coaching\_log table  39 records loaded to Coaching\_log\_reason table.  1 record rejected. (staged with employee id 345712 in test file)  39 records written to fact table. | P |  |
|  |  |  |  |  |
| 1c. | Verify that strReportCode is populated correctly. Convention is the 2-4 letter report code with date from report. | FWH20141114 and ITD20141107 respectively | P |  |
| 1d. | Verify that subcoachingreasonid is populated correctly based on the report code. | 99 for FWH and 103 for ITD | P |  |
| 1e. | Modify a test record to have me as the supervisor and verify that I get the Supervisor pending notification and see the record in the dashboard.  Run Notifications job. | Expecting email with subject ‘Pending Manager Review’ since Employee is a supervisor. | P |  |
| 1f. | Check Manager dashboard and review the specific log modified above.  'eCL-allan.hendrix-16430'  Verify that the Description value is formatted correctly with carriage returns and line feeds. | The description box has the Description formatted into 3 sections.  The standard description, a note about the data to follow and a third section that has the data concatenated from several data elements. | P |  |

## SCR 14031 Incorporate Compliance (OA) Reports

| Item | Description |
| --- | --- |
| Change Type | Change Request |
| Change Description | Set up a load process to load ETS compliance report feeds into eCL. |
| Test Environment | eCoaching\_Dev database on vrivfssdbt02\scord01,1437 |
| Code Doc | ETS\_Coaching.dtsx and supporting code modules documented in the below code docs. |
| Code doc | CCO\_eCoaching\_ETS\_Load\_Create.sql  CCO\_eCoaching\_Functions.sql  CCO\_eCoaching\_Log\_Create.sql  CCO\_eCoaching\_Maintenance\_Create.sql |
| Notes | Loaded ETS test files into the eCoachingDev database and verified that the file loaded successfully, sent the appropriate notification and appeared correctly in the user dashboards. |

| TEST# | ACTION | EXPECTED RESULTS | RESULTS  P/F/I | COMMENTS |
| --- | --- | --- | --- | --- |
| 2a. | Overall Load process test.  To test the SSIS package ETS\_Coaching.dtsx to verify that package runs without any issues.  eCL\_Compliance\_ETS\_Feed\_OAE20150114. eCL\_Compliance\_ETS\_Feed\_OAS20150114.csv | Files load successfully. | P |  |
| 2b. | Check records in Coaching\_Log, Coaching\_log\_reason , rejected tables.  where sourceid = 221  and (strReportcode like 'OAS%'or strReportcode like 'OAE%') | Records from source file meeting all valid criteria loaded into Copaching\_log table.  All records not meeting load criteria loaded into Reject table. | P |  |
| 2c. | Check status of logs | Level 2 Supervisor (5 for Sup module and 6 for CSR module) | P |  |
| 2d. | Notification on insert | Level 2 Supervisor (5 for Sup module and 6 for CSR module) | P |  |
| 2e. | Log behavior in dashboards | Display workflow and update as expected | P |  |

## TFS - 7105 - SQL Server 2012 Upgrade

| Item | Description |
| --- | --- |
|  |  |
| Description | This document is used to document the test cases for the ETS file load process. |
| Test Environment | eCoachingDev database on f3420-ecldbd01 |
| SSIS Package | ETS\_Coaching.dtsx |
| File Staging directories | \\f3420-ecldbd01\data\Coaching\ETS\ |
| Source Files | eCL\_ETS\_Feed\_\*.csv  eCL\_Compliance\_ETS\_Feed\_\*.csv |

| TEST# | ACTION | EXPECTED RESULTS | RESULTS  P/F/I | COMMENTS |
| --- | --- | --- | --- | --- |
| 3.1 | Run sql agent Job  Login to ssms using ecljobowner  Right click on job CoachingETSLoad | Job should run successfully and load files. | P |  |
| 3.2 | File archive after load  (Process behavior) | File should move to backup directory after load  \ETS\Backups\ | P |  |
| 3.3 | Check File List Table  In ssms window  Run below sql  SELECT \*  FROM [EC].[ETS\_FileList]  order by [File\_LoadDate]  GO | Should record file name with load date and no of records staged, loaded and rejected. | P |  |
| 3.4 | Check Staging table  In ssms window  Run below SQL  SELECT \*  FROM [EC].[ETS\_Coaching\_Stage]  GO | Staged logs from file | P |  |
| 3.5 | Verify following attributes in Coaching\_Log table  Employee attributes (lanid, empid, hierarchy, site, program)  In ssms window  Run below SQL  SELECT \*  FROM [EC].[Coaching\_Log]  where strReportCode = 'xxxccyymmdd'  GO | Based on Employee record in Hierarchy table | P |  |
| 3.6 | LanID | Feed/employee record | P |  |
| 3.7 | EmpID | Feed/employee record | P |  |
| 3.8 | Site | Feed/employee record | P |  |
| 3.9 | Program | Feed/employee record | P |  |
| 3.11 | Source | 221 | P | ETS |
| 3.12 | Status | 6 - Pending Supervisor Review in the CSR module and 5 - Pending Manager Review in the Supervisor module.  Or 3 – For pending Acknowledgment | P |  |
| 3.13 | SubmitterID | NA (999999) | P |  |
| 3.14 | EventDate/coaching date | OAE, OAS – Based on Time Period from feed file  HNC, ICC - WE Date from feed file  All other ETS feed files - Friday End Date in the feed file | P |  |
| 3.15 | Ids if applicable (Avoke, NGD, UCID, Verint) | NA | NA |  |
| 3.16 | Description | See details in table below | P |  |
| 3.17 | Submitteddate | Date of processing/loading file | P |  |
| 3.18 | EmailSent | 0 on load 1 if checked after Notification job run | P |  |
| 3.19 | numReportID | 1…n | P |  |
| 3.20 | strReportCode | EOT – Exempt Over Time  EA – Excused Absence  HOL – Incorrect Holiday  ITD – Invalid Timecodes Direct  ITI – Invalid Timecodes Indirect  FWH – Future Worked Hours  HOLA – Incorrect Holiday (Approver)  ITDA – Invalid Timecodes Direct (Approver)  ITIA – Invalid Timecodes Indirect (Approver)  FWHA – Future Worked Hours (Approver)  OAE – Outstanding Action (Employee)  OAS – Outstanding Action (Supervisor)  HNC – High Number of Changes,  ICC – Incorrect Change Category | P |  |
| 3.21 | Module | 1 or 2 | P |  |
| 3.22 | Coaching Reason | See table below for specific Report -22 | P | For FWH |
| 3.23 | Coaching Sub Reason | See table below for specific Report -99 | P | For FWH |
| 3.24 | Value | See table below for specific Report - Opportunity | P | For FWH |
| 3.25 | Check rejected table for rejected logs and reject reasons | Invalid Employee  Inactive Employee  Employee does not belong to CSR or Supervisor for files that can be for both Modules.  Employee does not belong to CSR  Employee does not belong to supervisor | P |  |
| 3.26 | Check records flagged from Notification from backend by running sp  In ssms window  Run below SQL  DECLARE @return\_value int  EXEC @return\_value = [EC].[sp\_SelectCoaching4Contact]  SELECT 'Return Value' = @return\_value | Should return all logs from loaded file which does not have any missing email attributes | P |  |
| 3.27 | Check Notification email  Login to ssms using ecljobowner  Right click on job CoachingNotifications  (\*verify that Email addresses are set to test values by running previous test prior to running job) |  | P |  |
| 3.28 | Review log  In ssms window  Run below SQL  Pick a specific log from loaded file and verify that log displays correctly with all expected values and if needs to be explicitly identified by label for UI.  DECLARE @return\_value int  EXEC [EC].[sp\_SelectReviewFrom\_Coaching\_Log]  @strFormIDin = N'Formname’  SELECT 'Return Value' = @return\_value  GO |  | P |  |
| 3.28 | Check work flow |  |  | SELECT \*  FROM [EC].[Employee\_Hierarchy]  where Emp\_ID = 'nnnnnn'  GO  Update [EC].[Employee\_Hierarchy]  set Emp\_Job\_Code= 'wacs40'  where Emp\_ID = 'tester emp id'  update [EC].[Employee\_Hierarchy]  set Sup\_ID = 'tester emp id',  Sup\_LanID = 'tester lan id  where Emp\_ID = 'nnnnnn'    update [EC].[Employee\_Hierarchy]  set Sup\_ID = 'hierarchy sup emp id',  Sup\_LanID = ''hierarchy sup lan id '  where Emp\_ID = 'nnnnnn' |
| 3.29 | If Pending Supervisor Review  Step1  Setup self as supervisor of emp and with sup job code  Navigate to My dashboard  Open log and update  Step2  Update emp record to set the hierarchy values back to original  Set self as log owner (empid attribute in coaching\_log table)  Navigate to | * Pending Employee Review (after step1) * Completed(after step2) | P |  |
| 3.30 | If Pending Acknowledgement  Review as Supervisor first | Same as above   * Pending Employee Review (after step1) * Completed(after step2) | NA |  |
| 3.31 | If Pending Acknowledgement  Review as employee first | * Pending Supervisor Review (after step1) * Completed(after step2) | NA |  |

## TFS 7854 Data File Encryption

| Item | Description |
| --- | --- |
| Change Type | Change Request |
| Change Description | Load files from encryption directory |
| Test Environment | eCoachingDev database f3420-ECLDBD01 |
| Notes | Stage files and verify the Encryption process and load  SELECT \* FROM [EC].[Coaching\_Log]  where (strreportcode LIKE '%20171201' or strreportcode LIKE '%20180209')  and (strreportcode like 'HNC%' or strreportcode like 'OAS%' or strreportcode like 'ITI%')  order by coachingid  GO  eCL\_ETS\_Feed\_HNC20171201.csv  eCL\_Compliance\_ETS\_Feed\_OAS20171201.csv  eCL\_ETS\_Feed\_ITIA20171201.csveCL\_Quality\_Feed\_HFC20171201.csv  eCL\_ETS\_Feed\_HNC20180209.csv  eCL\_Compliance\_ETS\_Feed\_OAS20180209.csv |

| TEST# | ACTION | EXPECTED RESULTS | RESULTS  P/F/I | COMMENTS |
| --- | --- | --- | --- | --- |
| 4.1 | Place unencrypted files in Encrypt\_In directory | Files encrypted and moved to Encrypt\_Out | P |  |
| 4.2 | Run sql agent Job  Right click on job CoachingTrainingLoad | Runs successfully and loads files after decrypting them. | p |  |
| 4.3 | Check Decrypt\_Out directory | Decrypted files should be deleted | p |  |
| 4.4 | Check Backup directory | Encrypted copy should be saved to backup | p |  |
| 4.5 | Check File List table | Should show decrypted file names | p |  |
| 4.6 | Verify Counts in file List table | Counts should match data in file | p |  |
| 4.7 | Check fn for translate of Reportcode to subcoachingreasonID | 106, 212, 240 | P |  |
| 4.7 | Check strReportCode | HNC/OAS/ITIA | P |  |
| 4.8 | Check CoachingReasonID in CLR table | 22 | P |  |
| 4.9 | Check if logs for inactive csrs are rejected | Should go to rejected table | P | HNC20171201- 200829  OAS20171201- 234869  HNC20180209- 200829  OAS20180209- 234869  OAS20180209- 371285 |
| 4.10 | Check that records are being identified for Notification | Should be returned by Select4contact with status pending sup review. | P |  |
| 4.11 | Test Notification | Email delivered as expected. | P |  |
| 4.12 | Test Notification | Standard email attributes for non CSE Supervisor review | P |  |
| 4.13 | Test Notification | Notification date set after Notification | P |  |
| 4.14 | Test Notification | EmailSent flag set to 1 after Email delivery | P |  |
| 4.15 | Verify staging table | Should be truncated | P |  |
| 4.16 | Verify Rejected table | Should not store employee details. Minimal information | P |  |
| 4.17 | Verify FormName | Should have Employee ID instead of LanID | P |  |
| 4.18 | Review log | Should display 1 for ETS/ HNC/OAS/ITIA  accordingly |  | HNC/OAS/ITIA  eCL-362881-110721- HNC  eCL-412913-110722- OAS  eCL-248965-110720- ITIA |

## TFS 10524 Move apps away from E Drive and TFS 10532 drop ETS Fact table

| Item | Description |
| --- | --- |
| Change Type | Change Request |
| Change Description | Load files from encryption directory |
| Test Environment | eCoachingDev database f3420-ECLDBD01 |
| Notes | Stage files and verify the Encryption process and load  SELECT \*  FROM [EC].[ETS\_FileList]  where DATEADD(day, DATEDIFF(day, 0, [File\_LoadDate]), 0) = DATEADD(day, DATEDIFF(day, 0, GETDATE()), 0)  order by [File\_Name]    GO  SELECT \* FROM [EC].[Coaching\_Log]  where strreportcode LIKE '%20180401'  and (strreportcode like 'HNC%' or strreportcode like 'OAS%' or strreportcode like 'ITI%' or  strreportcode like 'FWH%' or strreportcode like 'ICC%' or strreportcode like 'ITI%')  order by coachingid  GO  SELECT CLR.\*  FROM [EC].[Coaching\_Log]CL JOIN [EC].[Coaching\_Log\_Reason]CLR  ON CL.CoachingID = CLR.CoachingID  where strreportcode LIKE '%20180401'  and (strreportcode like 'HNC%' or strreportcode like 'OAS%' or strreportcode like 'ITI%' or  strreportcode like 'FWH%' or strreportcode like 'ICC%' or strreportcode like 'ITI%')  GO  eCL\_ETS\_Feed\_FWH20180401.csv  eCL\_ETS\_Feed\_HNC20180401.csv  eCL\_ETS\_Feed\_HNC20180401.csv  eCL\_ETS\_Feed\_ICC20180401.csv  eCL\_ETS\_Feed\_ITI20180401.csv  eCL\_ETS\_Feed\_ITIA20180401.csv |

| TEST# | ACTION | EXPECTED RESULTS | RESULTS  P/F/I | COMMENTS |
| --- | --- | --- | --- | --- |
| 5.1 | Place unencrypted files in Encrypt\_In directory | Files encrypted and moved to Encrypt\_Out | P |  |
| 5.2 | Run sql agent Job  Right click on job CoachingETSLoad | Runs successfully package from share on new drive. | p |  |
| 5.3 | Run sql agent Job  Right click on job CoachingETSLoad | Use config file from new physical path on G Drive | P |  |
| 5.4 | Check Decrypt\_Out directory | Decrypted files should be deleted | p |  |
| 5.5 | Check Backup directory | Encrypted copy should be saved to backup | p |  |
| 5.6 | Check File List table | Should show decrypted file names | p |  |
| 5.7 | Run sql agent Job  Right click on job CoachingeETSLoad | Should complete successfully without the ETS Fact table. | p |  |