# Change tracking for Canada Creative Industries project

This document aims to keep track of the changes project members make. It is intended to be ultra-simple, but may evolve as the project proceeds,

There are three tables: intended changes, actual changes, and ‘matters arising’. Each Change should be numbered and the numbering should be hierarchical. So if for example a table is to be changed by altering the length of two fields, there will be three changes numbered 1 (change the table), 1.1 (change the first field) and 1.2 (change the second field)

# Intended changes

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Item Number | Date proposed | Change proposed | Additional Information (Notes, rationale, etc) | Status in ‘Actual Changes’ |
| 1 | 29 July | Change the coding system |  |  |
| 1.1 | 29 July | Specify a unified coding system combining IOICC and NAICS codes |  | 1 |
| 1.2 | 29 July | Modify GDP Data to encode using the new specification | We only modify one file initially, to verify the dimension table | 3 |
| 1.3 | 29 July | Create ‘NewIndustry’ dimension worksheet | Create with the name ‘newIndustry’ and then change the name when this is tested and working. | 6 |
| 1.4 | 29 July | Create a project branch to load the data and the new industry dimension |  | 2.1 |
| 1.5 | 29 July | Create a new worksheet ‘IOICC splitter’ | This will split out the creative codes from the GNAICS data before these are entered into the Fact table | 5 |
| 1.3.1` | 29 July | Change Mapping.xls to an xlsx File |  | 2.2, 8 |
| 1.3.2 | 29 July | Edit OLTP Tables and Views to accept the new industry dimension |  | 10 |
| 1.3.3 | 29 July | Load the new industry dimension from an xlsx workbook | Initially, just create a new connection manager then migrate all the dimensions one by one | 11 |
| 1.7 | 29 July | Load the new GDP data into ‘new fact’ table | Later, switch out the old fact table | 11 |
| 1.8 | 29 July | Create a new Industries query and verify it |  | 11 |
| 1.9 | 29 July | Load the other dimensions from xlsx workbook |  | 11 |
| 1.10 |  |  |  |  |
| 2 | 30 July | Tidy up a bit |  |  |
| 2.1 |  | Archive the old GDP data |  | 12 |
| 2.2 | 30 July | Switch out the old fact table |  | 11 |
| 3 |  | Migrate the LFS data |  | Done |
| 3.1 |  | Preprocess Annual and Monthly data |  | Done |
| 3.2 |  | Extend dimNewIndustry to include LFS codes |  | Done |
| 3.3 |  | Modify ‘Import Source Data’ to bring in the new codes |  | Done |
| 3.4 |  | Test the query |  | Done |
| 4 |  | Bug fix |  |  |
| 4.1 |  | Change the excel connection managers to the parameter is the excel file path |  | Done |
| 2.1 |  | Introduce a single parameter for the data and scripts | At present there are two: this simplifies things |  |
| 2.1.1 |  | Create a parameter called ‘Root’ |  |  |
| 2.1.2 |  | Change the connection managers to use ‘Root’ |  |  |
| 2.1.3 |  | Remove the Script and Sources parameters |  |  |
| 5 |  | Add ‘Main Industries’ information to the Fact Table and the Industry query |  |  |

# Actual changes

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Date and time | Reference | Item affected | Detail | Result |
| 29/07/2020 17:30 | 1 | DOCUMENTS\Uniform Coding.docx | A file describing the coding system |  |
| 29/07/2020 17:30 | 2 | SOURCE DATA\Uniform Coding System\GDP deconstructed IOICC codes.xlsx | A hierarchy constructed from GDP data and NAICSALL in MAPPING.xlsx |  |
| 29/07/2020 17:30 | 2.1 | Created new branch | See github site | Pushed; not yet pulled |
| 29/07/2020 17:30 | 2.2 | Changed MAPPINGS to xlsx |  |  |
| 29/07/2020 18:06 | 3 | SOURCE DATA\GDP 2020.xlsx | Derived from download of Table 36100402 (download choice 'all data'). Contains all indicators and data from 1997 to 2019. |  |
| 29/07/2020 22:40 | 4 | SOURCE DATA\MAPPINGS.xlsx  IOICC hierarchy | Recoded with PNAICS code  Split codes added |  |  |  |
| 29/07/2020 22:40 | 5 | SOURCE DATA\MAPPINGS.xlsx  IOICC Splitter | New version of IOICC to ANAICS  Works differently | Need to revise the view  Revisit the split factors |
| 29/07/2020 22:40 | 6 | SOURCE DATA\MAPPINGS.xlsx  dimNewIndustries |  |  |
| 29/07/2020 22:40 | 7 | Data stage complete; commit and push to origin |  |  |
| 29/07/2020 22:40 | 8 | New MAPPINGS connection manager created | Also paramaterised |  |
| 29/07/2020 23:58 | 9 | Old Mappings connection manager deleted |  |  |
| 29/07/2020 23:58 | 10 | SCRIPTS\CREATE OLTP TABLES  SCRIPTS\CREATE OLTP VIEWS | The scripts now refer only to the new tables and have a minimal View for industries only.  The old tables remain in the source (MAPPINGS.xlsx) for reference but are no longer uploaded to the database | Scripts successfully ran  MAPPINGS |
| 30/07/2020 10:02 | 11 | Completed and tested import of GDP Data |  |  |
| 30/07/2020 10:02 | 12 | Archived the old GDP data |  |  |
| 30/07/2020 11:54 | 13 | Renamed LFS data files to:  LFS Annual  LFS Monthly |  |  |
| 30/07/2020 11:54 | 14 | Produced standardised PNAICS in both LFS files |  |  |
| 30/07/2020 11:54 | 15 | Copied the LFS codes from Monthly Data into dimNewIndustry | Need to verify that all the annual codes are represented |  |
| 30/07/2020 11:54 | 16 | Created ‘LFS MetaData’ sheet in MAPPINGS | We will use this to pick up the PNAICS description |  |
| 30/07/2020 11:54 | 17 | Import LFS Annual |  | Query successful; detailed check needed |
|  |  |  |  |  |