TCAS test automation

# Summary

A list and description of the TCAS automation framework, what tests do and where they are

# Basics

## Row Counts

These are the most basic tests. A set of tests that slice the data by count and another fact item to ensure all the data from TCAS for a given set of parameters has been imported into CDW.

Row counts will use a table on the testing MySQL database to extract data from the warehouse and the TCAS source. These tables will be structured as follows:

* TMP\_TARGET\_ROWCOUNT
  + GROUPING VARCHAR(255)
  + GROUP\_DETAIL VARCHAR(255)
  + COUNT INTEGER
* TMP\_SOURCE\_ROWCOUNT
  + GROUPING VARCHAR(255)
  + GROUP\_DETAIL VARCHAR(255)
  + COUNT INTEGER

They can therefore be used for any source system although at present we are considering TCAS.

### Row count groupings

We pick natural groups from the available data items. We will implement the following:

* Inception Date
* Expiry date
* Post code
* County
* Carrier name
* Scheme name
* Full terrorism cover

At the time of writing

1. There are no full terrorism cover policies in TCAS data.
2. There is only one carrier ( PEN )
3. TCAS only has one class of policy so we are not using class.

The two tables generated by the automation will be passed to the table compare engine.

Results will be written to the database in the table:

* ROWCOUNT\_RESULTS
  + TIMESTAMP
  + SOURCE\_DATABASE
  + TARGET\_DATABASE
  + RESULT
  + DELTA