

HRE – DATABASE - OVERVIEW

Revision history

2018-08-27	Rod Thompson	Original draft
2018-09-05	Don Ferguson	Expanded explanation of T_204 tab; aligned example SQL with real format for T101
2018-10-16	Rod Thompson	Addition to DATA or USER tab; Extra note regarding Excel sheet designators
2018-11-08	Rod Thompson	Add to the TRANS (T_204) section of DESIGN DOCUMENTATION
2021-03-15	Don Ferguson	Aligned with reality
2023-07-15	Don Ferguson	Aligned with current documentation

SCOPE

The HRE database serves multiple purposes.

1. It records the data input by the user, allowing its use for onscreen display and report creation
2. It includes 'preload' data which establishes the basic operations of the application, providing design flexibility enabling adaption to a variety of historical data uses.

DATABASE DETAIL

HRE is designed to use an H2 database - an open source Java SQL database, usable in embedded and server modes.

Further detail is available at: <http://www.h2database.com/html/main.html>

DATABASE DESIGN DOCUMENTATION

Documentation of the H2 Database definition created for HRE is recorded in two places:

1. A Word document file, one for each HRE development area, detailing the use of each field in each HRE Table. These are included in the HRE Specifications folder in the set of documents numbered from 03.06.01 upwards
2. The DDL file (as follows).

DDL (Data Definition Language)

The current DDL is defined via SQL in the document '03.06.00 DDL NNx YYYY-MM-DD', where
NNx = the DDL version number
YYYY-MM-DD defines its release date.

Additionally a number of files are provided which contain the preload data that is necessary to create the 'starter set' or HRE Seed database.

The DDL and Preload data are intended to be run through the H2 browser based console program to create the Seed database.