**Rail CIF file Supplementary Notes**

**File Format**

 The file is sequential containing fixed length 80 character records. It will contain different record types which can be identified by the 'record identity'

 The sequence of records within the file is significant. The following sequence laws will apply [the record identity is given in brackets ( )]:

i) Header record ( HD )

ii) TIPLOC location change records in the following order:

TIPLOC Insert records ( TI )

TIPLOC Amend records ( TA )

TIPLOC Delete records ( TD )

iii) All association records in the following sequence ( AA )

1) Association Start Date

2) TSDB UID Number of Main Train

3) Transaction Type in the order DELETE>NEW>REPLACE

iv) All train schedules in the following sequence:

1) Schedule Start Date

2) TSDB UID Number of Train

3) Transaction Type in the order DELETE>NEW>REPLACE (see note below)

(N.B. for overlay users, Permanent schedules will precede Cancellations or Overlays where they are for the same Start-date/UID)

A train schedule comprises a set of records, output in the following order:-

- a basic schedule record ( BS )

- a basic schedule extra details record ( BX )

- train specific note records, if present ( TN )

- an origin location record ( LO )

- all intermediate location records ( LI ) in journey sequence, preceded by a Change en Route, if present, for the location ( CR )

- terminating location record ( LT )

- location specific note records ( LN ); these may follow any LO, LI or LT records

v) Trailer record ( ZZ )

 Where a train schedule deletion or cancellation is raised, only a basic schedule (record identity 'BS') will be output, with only the identifier fields populated (including End Date and Days Run for new STP cancellations). Otherwise, the schedule will consist of at least record types BS, BX, LO and LT.

**Record Layouts**

* Header Record (HD)
* Basic Schedule (BS)
* Basic Schedule Extra Details (BX)
* Origin Location (LO)
* Intermediate Location (LI)
* Changes-en-route (CR)
* Terminating Location (LT)
* Train Specific Note (TN)
* Location Specific Note (LN)
* Associations (AA)
* TIPLOC Insert (TI)
* TIPLOC Amend (TA)
* TIPLOC Delete (TD)
* Trailer Record (ZZ)