

# **RVMASTERLOG.EXE SOFTWARE DESIGN SPEC**

1.0.0

8 Apr 2017

# General Requirements

1. Within this document, the following terms shall be used to mean:
2. The term “program” shall refer to the RVTotallLog.EXE program described in this document.
3. The program shall use a standard windows interface (GUI).
4. The program shall provide a detailed Help file.
5. The program shall provide Context Sensitive Help.
6. The program shall provide the capability to Read, Save and Edit all data tables.
7. The program shall maintain all program configuration data in a standard Windows .INI file.
8. The program shall automatically load configuration data on startup;
9. The program shall automatically save configuration data on shutdown;
10. The program shall provide the capability to print formatted reports.
11. The program shall make maximum use of “Hot Keys”;
12. The program shall provide the capability for User Registration with Nag screen;

# APPLICATION DATABASE

## PROPERTIES TABLE

Primary Key: PropertyName

Foreign Keys: N/A

| Field | Name          | Type    | Length | Format        | Properties   |
|-------|---------------|---------|--------|---------------|--------------|
| 1     | SetupFileName | String  | 255    | ValidFileName |              |
| 2     | RVMPath       | String  | 255    | ValidPathName |              |
| 3     | RVMDDataPath  | String  | 255    | ValidPathName |              |
| 4     | RVMLogsPath   | String  | 255    | ValidPathName |              |
| 5     | UseLastLog    | Boolean | 10     | [True, False] | Default True |
|       |               |         |        |               |              |
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## **RV TABLE**

Primary Key: RV Name

Foreign Keys: RV Type

| Field | Name             | Type   | Length | Format                              | Description                                 |
|-------|------------------|--------|--------|-------------------------------------|---|
| 1     | RVID             | String | 3      | 001...999<br>Requires leading zeros | [User Definable, Mandatory]                 |
| 2     | RV Name          | String | 30     | [A..Z, a..z, 0..9, <Sp>]            | [User Definable, Mandatory]                 |
| 3     | RV Type          | String | 2      | 01-99                               | FK in the RV Type table<br>[Mandatory]      |
| 4     | RV Model         | String | 30     | [A..Z, a..z, 0..9, <Sp>]            | [User Definable, Mandatory]                 |
| 5     | Date of Purchase | String | 11     | [dd<sp>Mmm<yyyy>]                   | [User Definable, Mandatory]                 |
| 6     | Purchase Price   | String | 10     | [999,999.99]                        | [User Definable, Optional]                  |
| 7     | Manufacturer     | String | 30     | [A..Z, a..z, 0..9, <Sp>]            | FK in the Manufacturer table<br>[Mandatory] |
| 8     | Dealer           | String | 30     | [A..Z, a..z, 0..9, <Sp>]            | FK in the Manufacturer table<br>[Mandatory] |
| 5     | Features         | String | 99     | 01-99                               | FK in the Featurers table<br>[Mandatory]    |
|       |                  |        |        |                                     |   |
|       |                  |        |        |                                     |   |
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## **DEFAULT RV TYPE TABLE**

The Default RV Type table contains a list of all RV types available to the user. The user makes a copy of this table for each Log created, and can add, edit and Activate/Deactivate entries 11 to 28. The default table contains 11 default entries that must remain active.

The first ten (1..10) default to [Travel Trailer, Fifth Wheel, Class A Motorhome, Class B Motorhome, Class C Motorhome, Toy Hauler, Truck Camper, Bus Conversion, Tent Trailer, Tent] and 29 defaults to [Other].

Entries 11..98 are user definable.

Primary Key: Field: **ID**

| Field | Name   | Type   | Length | Format  | Description  |
|-------|--------|--------|--------|---|--|
| 1     | ID     | String | 2      | Max 29<br>Requires leading zero                   | RV Type ID 01..29<br>Entries 01=10, 99 Default Mandatory<br>Entry 99 Default "Other" Mandatory<br>Entries 11-98 User Defineable Optional       |
| 2     | Active | String | 1      | [Y,N]   | Active RV Type [Y,N]. Man to 10 and 29 are mandatory [Y] and cannot be changed.  |
| 3     | Name   | String | 30     | [A..Z, a..z, 0..9, <Dash>, <Sp>]<br>Min 4, Max 30 | Entries 01RV Type Name<br>Entries 01=10, 29 Default Mandatory<br>Entry 99 Default "Other" Mandatory<br>Entries 12-28 User Defineable Mandatory |

## **VEHICLE TABLE**

Primary Key: Vehicle Name

Foreign Keys: Vehicle Type

| Field | Name         | Type   | Length | Format                   | Description                                  |
|-------|--------------|--------|--------|--------------------------|--|
| 1     | Vehicle Name | String | 30     | [A..Z, a..z, 0..9, <Sp>] | User defined Name describing this Vehicle    |
| 2     | Vehicle Type | FK     |        |                          | RV Type as defined in the Vehicle Type table |
|       |              |        |        |                          |  |
|       |              |        |        |                          |  |
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## **DEFAULT VEHICLE TYPE TABLE**

The Default Vehicle Type table contains a list of all Vehicle types used by the user. The user makes a copy of this table for each Log created, and can define and add, edit or delete any entries before saving it. Although entries can be deleted, entry 20 [Other] must always remain. The default table contains ten 11 default entries.

The first ten (1..10) default to [Travel Trailer, Fifth Wheel, Class A Motorhome, Class B Motorhome, Class C Motorhome, Toy Hauler, Truck Camper, Bus Conversion, Tent Trailer, Tent]

Entries 1..19 are user definable.

The last entry in the table (20) is mandatory and is named [Other].

Primary Key: Field: **ID**

| Field | Name | Type   | Length | Format  | Description   |
|-------|------|--------|--------|---|---|
| 1     | ID   | String | 2      | 25<br>Requires leading zero<br>Min 10, Max 99 | Vehicle Type ID 01..25<br>01=10 Default<br>01-24 User Defineable<br>Entry<br>25 mandatory |
| 2     | Name | String | 30     | [A..Z, a..z, 0..9, <Sp>]                      | Vehicle Type Name<br>01= 24 Optional<br>25 Mandatory = Other                              |