ID Storage
06/27/2011

This summary explains the changes made to system operation to provide the features requested. Use this addendum in conjunction with the 825 Operation Manual and existing addendums for a complete understanding of system operation.

Images are shown in black and white to facilitate printing.
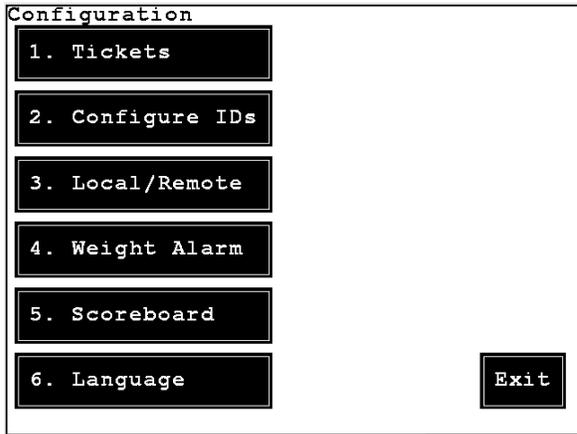
Configuration

Local or single Indicator

```
ADMIN                   06-27-2011 09:12:45
Capacity 150.00 x 0.01 lb            SCALE
                                        1
                  CENTER ZERO
   GROSS           0.00 lb


   Truck                Product
  12345
   Customer             Job


   Menu      Zero                    Print
```

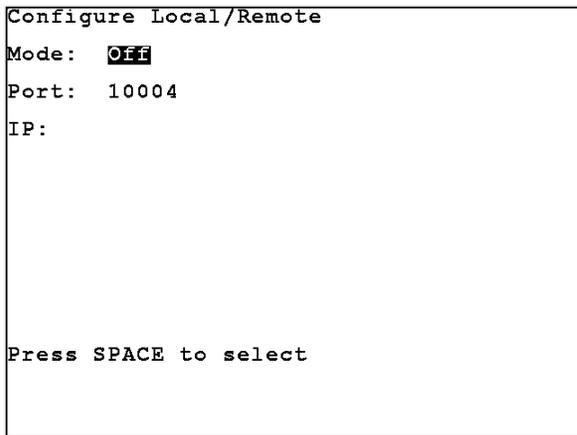Press the "MENU" button.

```
Menu
   Truck IDs          Set Date/Time

   Product IDs        Configuration

   Customer IDs

   Job IDs

   Transactions

                                    Exit
```

Press "Configuration".

```
Configuration
  1. Tickets

  2. Configure IDs

  3. Local/Remote

  4. Weight Alarm

  5. Scoreboard

  6. Language                    Exit
```

Press "3" for "Local/Remote" settings.

```
Configure Local/Remote
Mode:   Off
Port:   10004
IP:




Press SPACE to select
```

With the "Mode:" prompt highlighted press "SPACE" to select "Off" for single indicator operation or "Local" for the local indicator of a local/remote pair. The local indicator is the one connected to the scale. Press the down navigation key to highlight the "Port:" prompt. Type the desired "TCP/IP" port for the communications. For the local indicator the "IP:" prompt should be blank. Refer to the 825 operation manual to configure the local indicator IP. If DHCP is used for dynamic IP assignment the DHCP server/router should be configured for "address reservation" such that the indicator will always be given the same IP address based on its MAC address. Press ENTER to accept the settings.

Remote Indicator

Press the "MENU" button. Press "3" for "Local/Remote" settings.

```
Configure Local/Remote

Mode:   Remote

Port:   10004

IP:     192.168.1.110_




Enter TCP/IP IP Address for client
```

With the "Mode:" prompt highlighted press "SPACE" to select "Remote". Press the down navigation key to highlight the "Port:" prompt. Type the same "TCP/IP" port number used for the local setting. Press the down navigation key to highlight the "IP:" prompt. Type the IP address of the local indicator. Press ENTER to accept the settings.

Single Indicator or Both Indicators (for local/remote operation)

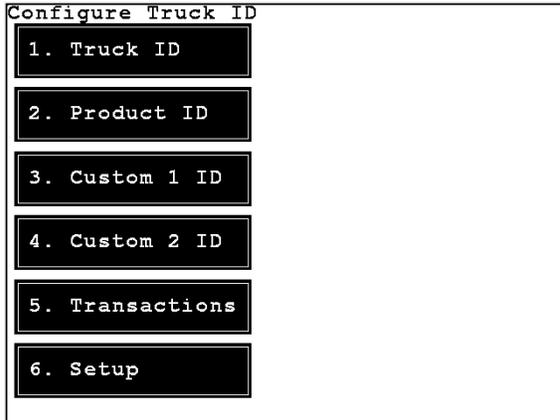From the main screen press the "MENU" button.

```
Menu
  Truck IDs          Set Date/Time

  Product IDs        Configuration

  Customer IDs

  Job IDs

  Transactions

                            Exit
```
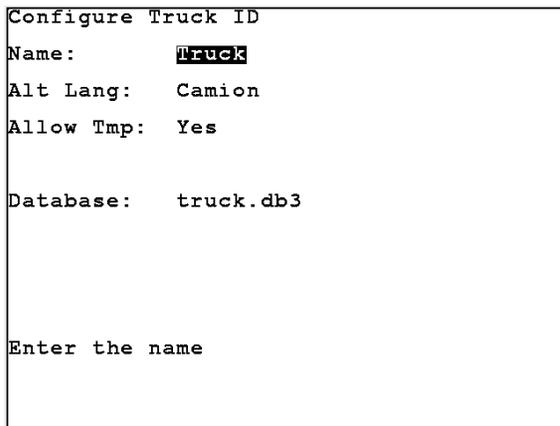
 Press "Configuration".

```
Configuration
  1. Tickets

  2. Configure IDs

  3. Local/Remote

  4. Weight Alarm

  5. Scoreboard

  6. Language              Exit
```

Select "2. Configure IDs".

```
Configure Truck ID
  1. Truck ID

  2. Product ID

  3. Custom 1 ID

  4. Custom 2 ID

  5. Transactions

  6. Setup
```

Press "1. Truck ID".

```
Configure Truck ID
Name:        Truck
Alt Lang:    Camion
Allow Tmp:   Yes


Database:    truck.db3




Enter the name

```

The "Name" prompt is the name to be shown on the screens for this ID field. The "Alt Long:" is name to appear when the alternate language such as "Spanish" is selected.

The "Allow Tmp:" prompt should be set to "Yes" or "No" to specify whether temporary IDs are allowed. The database name specifies the name of the database file. The name should end in ".db3" to indicate the file type as a SQLite 3 database file.

Refer to the follow chart for default settings.

	Name	Alt Lang	Allow Tmp	Database
Truck	Truck	Camion	Yes	truck.db3
Product	Product	Producto	No	prod.db3
Custom 1	Customer	Cliente	No	cust.db3
Custom 2	Job	Trabajo	No	job.db3
Transaction	Transaction	Transaccion	N/A	tran.db3
Setup	Setup	Config	N/A	setup.db3

If a database file name is changed after pressing ENTER to save the change exit the application and restart it. The new database file will then be created. The new file will be empty. However, it may be populated by importing data that was previously exported from the old file before the name change.

These database settings should be configured to be the same on both indicators.

Operation
Local/Remote
The application should be started on the local indicator first. This indicator is directly connected to the scale.

When the application is started on the remote indicator it will connect to the local indicator and continually request weight updates. The remote indicator will display the same weight as the local indicator.

The local indicator will send the current date and time to the remote indicator when it connects. The remote indicator will set its date and time when this message is received to keep the date and time closely matched. Make date and time changes at the local indicator, then exit and restart the application on the remote indicator.

The local and remote indicators each have their own database files. Most database activities are replicated between the two indicators to keep the data synchronized as changes happen. However, to insure there are not any persistent discrepancies the remote will request full updates from the local indicator when it is started.

When either indicator is receiving data from the other indicator and updating its' database it will display at the bottom of the screen "Updating xx" such as "Updating Truck" or "Updating Product". This display will remain on the screen for a few seconds. Most operations may still be performed while updates are happening, but it is recommended to wait for the remote to complete receiving its full update from the local upon startup.

Truck, Product, Customer, Job ID fields
From the main screen press the "MENU" button. Select "2. Truck IDs".

```
Truck Menu
   ┌──────────────────────────────┐
   │ 1.  Add new Truck            │
   └──────────────────────────────┘
   ┌──────────────────────────────┐
   │ 2.  Edit Truck ID            │
   └──────────────────────────────┘
   ┌──────────────────────────────┐
   │ 3.  Delete Truck ID          │
   └──────────────────────────────┘
   ┌──────────────────────────────┐
   │ 4.  Import Truck IDs         │
   └──────────────────────────────┘
   ┌──────────────────────────────┐
   │ 5.  Export Truck IDs         │
   └──────────────────────────────┘
   ┌──────────────────────────────┐    ┌────────┐
   │ 6.  Delete all Truck IDs     │    │ Exit   │
   └──────────────────────────────┘    └────────┘
```

Add new Truck
Select "1. Add new Truck"

```
Add New Truck


Truck Name: TRK1
Stored Tare: 0
Product:
Customer:
Job:
Max Weight: 80000
Loads: 0
Net Wt: 0
```

Type the appropriate information for the truck and press ENTER. The Truck ID provides
references to the "Product", "Customer" and "Job" IDs. When a Truck ID is selected in
the main screen these reference will be used to automatically set the related fields.

Repeat this process to enter all of the trucks.

Edit existing Truck
Select "2. Edit existing Truck" to edit a truck.

```
Select Truck
 ┌──────────────────┐   ┌──────────────────┐
 │ *123             │   │ A3               │
 └──────────────────┘   └──────────────────┘
 ┌──────────────────┐   ┌──────────────────┐
 │ 123              │   │ A4               │
 └──────────────────┘   └──────────────────┘
 ┌──────────────────┐   ┌──────────────────┐
 │ 12345            │   │ Other            │
 └──────────────────┘   └──────────────────┘
 ┌──────────────────┐   ┌──────────────────┐
 │ A1               │   │ TRK1             │
 └──────────────────┘   └──────────────────┘
 ┌──────────────────┐   ┌──────────────────┐
 │ A2               │   │ TWOPASS          │
 └──────────────────┘   └──────────────────┘
                              ┌──────────────┐
                              │ NEXT >>>     │
            Page 1 of 2       └──────────────┘
```

Press the truck ID to edit.

```
Edit Existing Truck


Truck Name: TRK1
Stored Tare: 23.5
Product: P1
Customer: C44
Job: JJ2
Max Weight: 0
Loads: 3
Net Wt: 155.47
```

Make any desired changes and press ENTER.

<u>Delete existing Truck</u>
To delete a truck ID select "3. Delete existing Truck". The list of trucks will be shown. Select the truck ID to delete.
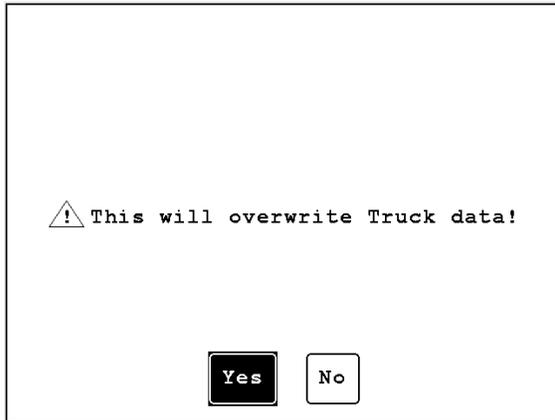
```
┌───────────────────────────────────┐
│                                   │
│                                   │
│                                   │
│                                   │
│         ⚠ Delete Truck [123]?     │
│                                   │
│                                   │
│                                   │
│          ┌──────┐  ┌──────┐       │
│          │ Yes  │  │ No   │       │
│          └──────┘  └──────┘       │
└───────────────────────────────────┘
```
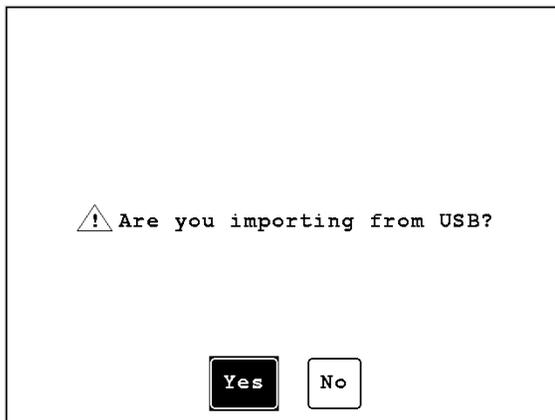
Press the "Yes" button to delete the truck or the "No" button to cancel the operation.

Import Truck IDs
Select "4. Import Truck IDs".

```
 /!\ This will overwrite Truck data!




         Yes     No
```

Press the "Yes" button to continue.

```
 /!\ Are you importing from USB?




         Yes     No
```
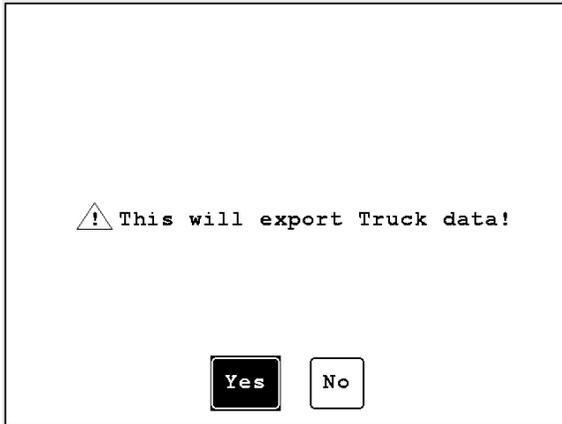
Press the "Yes" button to import from "USB" or the "No" button to import from the application directory on the indicator "/mnt/nand/apps/so187534".

```
         /!\ Import successful!
```

Export Truck IDs
Select "5. Export Truck IDs".

```
┌──────────────────────────────┐
│                              │
│                              │
│                              │
│                              │
│   ⚠ This will export Truck data! │
│                              │
│                              │
│                              │
│      ┌─────┐  ┌────┐         │
│      │ Yes │  │ No │         │
│      └─────┘  └────┘         │
└──────────────────────────────┘
```

Press the "Yes" button to continue.

```
┌──────────────────────────────┐
│                              │
│                              │
│                              │
│                              │
│   ⚠ Are you exporting to USB? │
│                              │
│                              │
│                              │
│      ┌─────┐  ┌────┐         │
│      │ Yes │  │ No │         │
│      └─────┘  └────┘         │
└──────────────────────────────┘
```

Press the "Yes" button to export to "USB" or the "No" button to export to the application directory on the indicator "/mnt/nand/apps/ids"
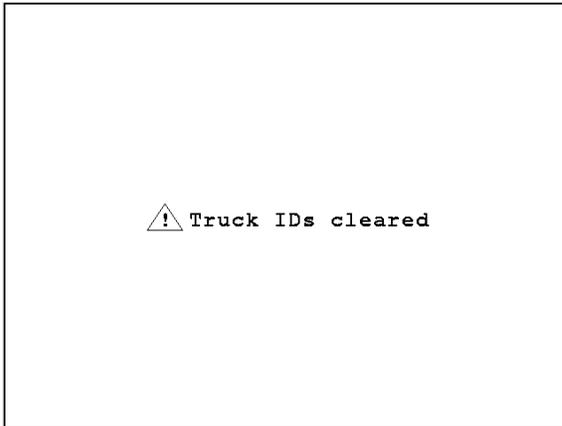
```
┌──────────────────────────────┐
│                              │
│                              │
│                              │
│                              │
│   ⚠ Export successful!        │
│                              │
│                              │
│                              │
│                              │
└──────────────────────────────┘
```

<u>Clear all Truck IDs</u>
Select "6. Delete all Truck IDs". to remove all truck IDs.

```
⚠ Delete all Truck IDs?




    [ Yes ]  [ No ]
```

This will remove all of the truck IDs. Press the "Yes" button to continue or "No" to cancel.

```
⚠ Truck IDs cleared
```

Other ID field operations will behave in the same way as the above descriptions for the Truck ID field operations.

<u>Transactions</u>
From the main screen press the "MENU" button. Select "6. Transactions".

```
Transaction Menu
  1. Export Transactions

  2. View/Print Transaction

  3. Delete all Transactions

  4. Void Transaction



                                    Exit
```

The "Export Transactions" operation will work in the same way as the ID field export operations. The "Delete all Transactions" operation will work in the same way as the ID field delete all operations.

Void Transaction
Select "4. Void transaction" to void a transaction.

```
VOID Ticket
Ticket #: 0






              

          

          Enter the ticket number to VOID


```

Type the transaction number to void and press ENTER.

Tickets
From the main screen press the "MENU" button. Select "7. Tickets".

```
Ticket Menu

Output: Display and Print

# of tickets to print: 1

Current ticket #: 12


1:
2:
3:
4:
```

The "Output" may be specified to "Display Only", "Print", or "Display and Print".
"Display Only" will show the output information on the 825 display. "Print" will output
to the configured printer based on the "Application" menu "Configuration" settings. The
first pass will print to the configured first pass ticket tabs settings. The second pass or
single pass stored tare transactions will print to the configured standard ticket tabs
settings. The "Display and Print" option will show the ticket information on the 825
display and send the ticket to the configured output port.

At the "# of tickets to print" prompt select the number of ticket copies to print when
transactions are performed.

The "Current ticket #" prompt is used to specify the ticket number. The ticket number
will increment automatically as each transaction is processed. Be careful not to reset the
ticket number to a number that is already in the transaction table or there will be errors
when new transactions are performed.

The "Ticket headings" specifies additional text to be included on each ticket. When
setting the tabs in configuration these are "Ref1", "Ref2", "Ref3", and "Total Cnt" fields.
These headings are independent of the headings that may be specified in the
"Configuration" tabs settings. The headings are not replicated between the local and
remote databases to allow for different text to be printed depending on which indicator is
used.

```
                ⚠ Tickets updated
```
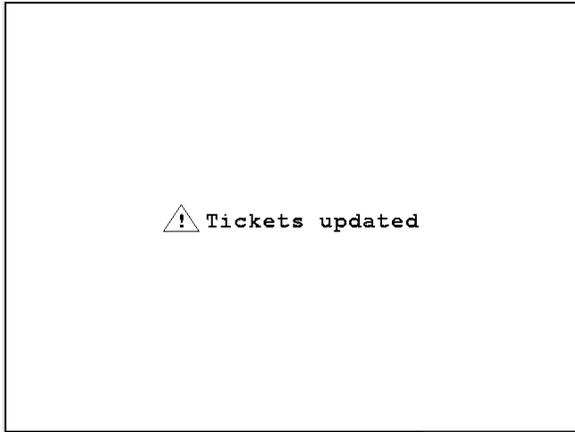
Weighing Process

```
ADMIN                06-27-2011 10:11:25
Capacity 120000 x 20 lb              SCALE
                                       1

 GROSS      67740 lb



  Truck              Product


  Customer           Job


  Menu     Zero                    Print
```

Press the "Truck" button to select the truck ID.

```
Select Truck
  Other              TRK5

  TRK1

  TRK2

  TRK3

  TRK4
```

Press the button of the truck ID to use or press the "Other" button to specify a temporary truck. If "Other" is specified an additional prompt will appear.

```
Temporary Truck

ID:    TMP1_











Enter the temporary ID

```

Type the ID to be used and press ENTER. The main screen will show the ID in the "Truck" button.

```
ADMIN                06-27-2011 10:14:30
Capacity 120000 x 20 lb            SCALE
                                     1

  GROSS      67740 lb



   Truck             Product
  *TMP1

   Customer          Job


   Menu     Zero                Print
```

Temporary IDs will have an asterisk "*" shown as the first character.

If a vehicle is specified that has related IDs "Product", "Customer", or "Job" associated they will be shown:

```
ADMIN                06-27-2011 10:16:29
Capacity 120000 x 20 lb            SCALE
                                     1
  GROSS      77800 lb
  TARE       34260
  NET        43540
   Truck             Product
  TRK1              P1
   Customer          Job
  C1                JJ23

   Menu     Zero                Print
```

The "Product" button may be pressed to select the product.

```
Select Product
 1234

 Corn

 P1

 Soybeans

 Wheat

```

The "Customer" button may be pressed to select the customer.

```
Select Customer
 JOE              NORMAN

 JOHN             OPAL

 LUKE             SHARON

 MARY             TOM

 NATHAN           WILLIS

 <<< PREV                    NEXT >>>
          Page 2 of 3
```

Press the "Next" and "Prev" buttons to cycle through the pages.

The "Job" button may be pressed to select the job.

```
Select Job
 J1543

 J3872

 J78345

 JJ2

 JJ23

```

Press the "PRINT" button to process the weight.

If the weight on the scale is greater than the vehicle maximum weight the display will show "Max weight exceeded!" for a few seconds and the weighing operation will not be permitted.

If the scale is in motion, over capacity, below zero, or in a weight error condition (such as load cell disconnected) the display will show "Cannot print MOTION", "Cannot print OVER CAPACITY", "Cannot print BELOW ZERO", or "Cannot print WEIGHT ERROR" for a few seconds. The weighing operation will not be permitted while any of these conditions exist.

If the vehicle has a tare weight the transaction will be processed as a single pass transaction using the stored tare.

If the vehicle has no stored tare weight and it has not already weighed in the display will prompt:

⚠ First pass in?

Yes   No
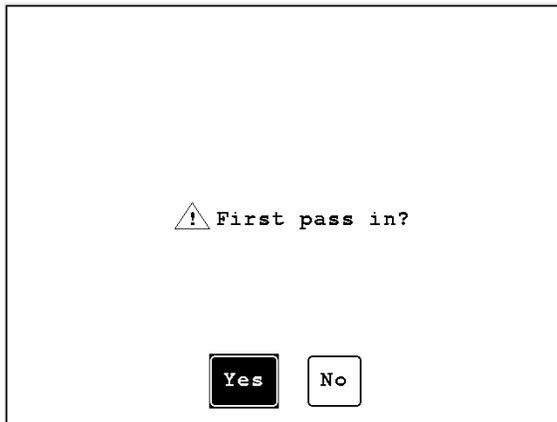
Press the "Yes" button to confirm the weighing operation as a first pass weighing.
If the ticket output is specified as Display Only or Display and Print the ticket information will be displayed. The display is not formatted based on the "Configuration" tab settings. If the ticket output is specified as "Print" or "Display and Print" the ticket will be sent to the "First Pass" ticket port and using the tabs or nControl format specified in the "Configuration" utility.

```
Transaction 14

In:  06-27-2011 10:32:03

Truck           : *TMP
Product         : P1
Customer        : AMANDA
Job             : J78345

In Wt:     51480




                                    [Done]
```

Press the "Done" button to complete.

```
          ⚠ Reweigh on second pass to finish
```

The vehicle is then driven off the scale and may return for the second pass weighing operation.
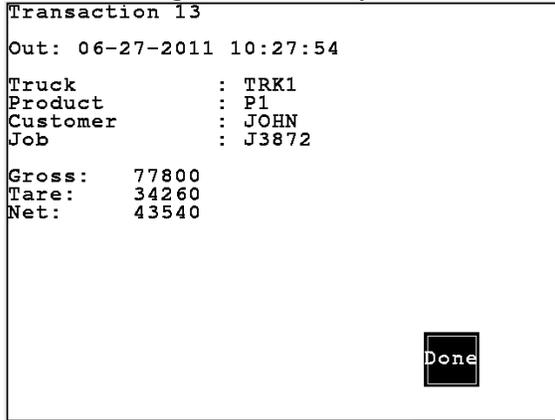
If the vehicle has already weighed in the display will prompt "Second pass? Y/N".

```
              ⚠ Second pass out?




              [Yes]   [No]
```

Press the "Yes" button to confirm the weighing operation as a second pass weighing.

If the ticket output is specified as Display Only or Display and Print the ticket information will be displayed. The display is not formatted based on the "Configuration" tab settings. If the ticket output is specified as "Print" or "Display and Print" the ticket will be sent to the "Standard" ticket port and using the tabs or nControl format specified in the "Configuration" utility.

```
Transaction 13

Out: 06-27-2011 10:27:54

Truck              : TRK1
Product            : P1
Customer           : JOHN
Job                : J3872

Gross:    77800
Tare:     34260
Net:      43540




                                        Done
```

Press the "Done" button to complete.

```



                  /!\ Transaction complete!


```

When a temporary vehicle completes the second pass weighing operation the vehicle ID will be automatically deleted.