



iTRAX – Release Notes – 2.2

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# Document Control

## Issue Control

<b>Issue</b>	<b>Date</b>	<b>Changes Made</b>
1.0		Updated iTRAX/Highway changes between 2.1 and 2.2

## Cross Reference

## Change Summary

<b>Nr.</b>	<b>Description</b>	<b>Date</b>	<b>By whom</b>
1.0	Initial Document	July 12 2007	Peter Evans

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## Introduction

This document contains information on the changes between TRAXi3 iTRAX 2.1 and TRAXi3 iTRAX 2.2.

# Highway Enhancements

Highway version is 2.14.

## Enhancements

### **HTTP Input:**

The functionality which allows one to post messages into Highway has been modified.

Previously Highway relied on the system sending the information to specify the correct character encoding for the request. However this information was often not provided leaving Highway to use a default. The default used was left to Tomcat.

This has now changed. The default is now always “UTF-8”.

### **HTTP Reader / HTTP Writer:**

- Changed the HTTP Reader to use pre-emptive authentication when reading files from a HTTPS server.
- Changed the HTTP Reader to use pre-emptive authentication when writing files to a HTTPS server.
- Added support for proxy NTLM authentication. This can be enabled using the following server property:
  - Key: **proxy.authentication**
  - Value: **ntlm**

# iTRAX Enhancements

## Enhancements

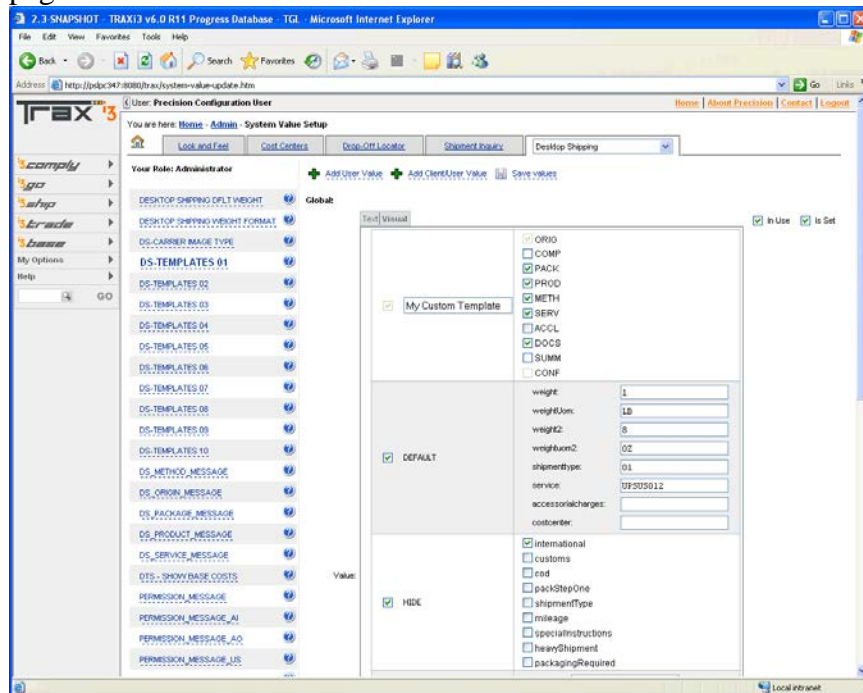
### Desktop Shipping:

- Templates
  - The steps in desktop shipping are no longer defined as integers but have been assigned codes. Numbers defined in earlier releases will be compatible however.

The codes that can be used are:

ORIG	-	Origin/Destination
COMP	-	New Compliance Step
PACK	-	Package Details
PROD	-	Products
METH	-	Method/References
SERV	-	Services
ACCL	-	Accessorials
DOCS	-	Documents
SUMM	-	Summary
CONF	-	Confirmation

- A new compliance step is available.
- Maintaining templates has been simplified with a new maintenance page.



- Templates allow properties to be defined against them.

**“enable\_approval\_alert”** - This property turns on or off the functionality that shows a country approval alerts if present for that country.

**“showloading”** - If set to “yes”, a loading window will appear when a shipment label is being produced.

**“multiplepacks”** - If the packs step is included in the template then the multiple packs flag will be defaulted to true.

o Origin/Destination Step

You can configure desktop shipping to provide the user with a warning when selecting next on a page. For example you may wish to advise the user that the rates shown are conditional on the correct weigh being entered and there are estimate costs. This is done by specify a message code against the template for the step in question. The message code should point to a valid note record in the TRAXi3 database.

You can configure desktop shipping to provide the user with a warning when shipping to certain countries. For example there may be instructions you wish to provide the user with when shipping to Brazil.

This is done by

(a) flagging the country record that it requires ship to approval.

(b) Create a system value “ITRAX” “PERMISSION\_MESSAGE” with the message you wish to display. If a different message is needed for different countries then the country code can be added to the system key, e.g. “PERMISSION\_MESSAGE\_BR”.

o Services Step

Estimated delivery dates now take account of weekends. The summary page has been modified to also take account of weekends.

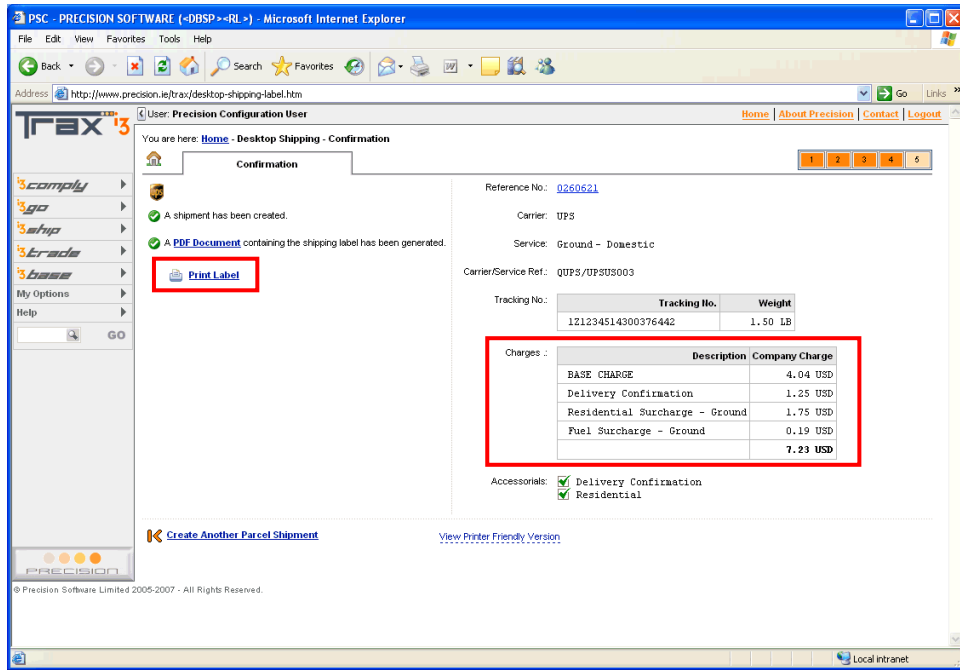
o Confirmation Step

A list of individual charges is now available on the confirmation page.

Added a print button to the page so that users have a better indicator as to how they can print of the carrier label.

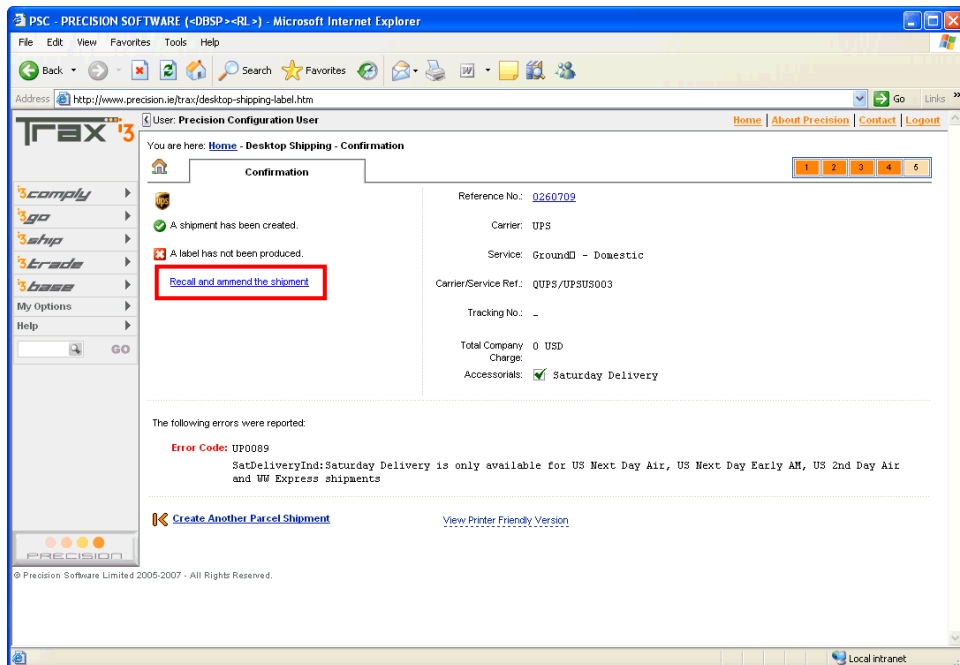
The following new System Value has been added to decide whether to show "Customer", "Company", "Both" or “Neither” shipment costs:

Category	Key	Values	Information
ITRAX	DTS - SHOW BASE COSTS	Customer Company Both None	Controls what charges are shown on the confirmation page.



○ Recall a Shipment

A new page is available that will allow one recall an “open” desktop shipment. This functionality will be enhanced in version 2.3 to be a shipment portal. Currently it is possible to enter a shipment reference and run desktop shipping with recalled shipment information populated in the input fields. If a shipment has failed to rate on the confirmation step it can be recalled and processed again.



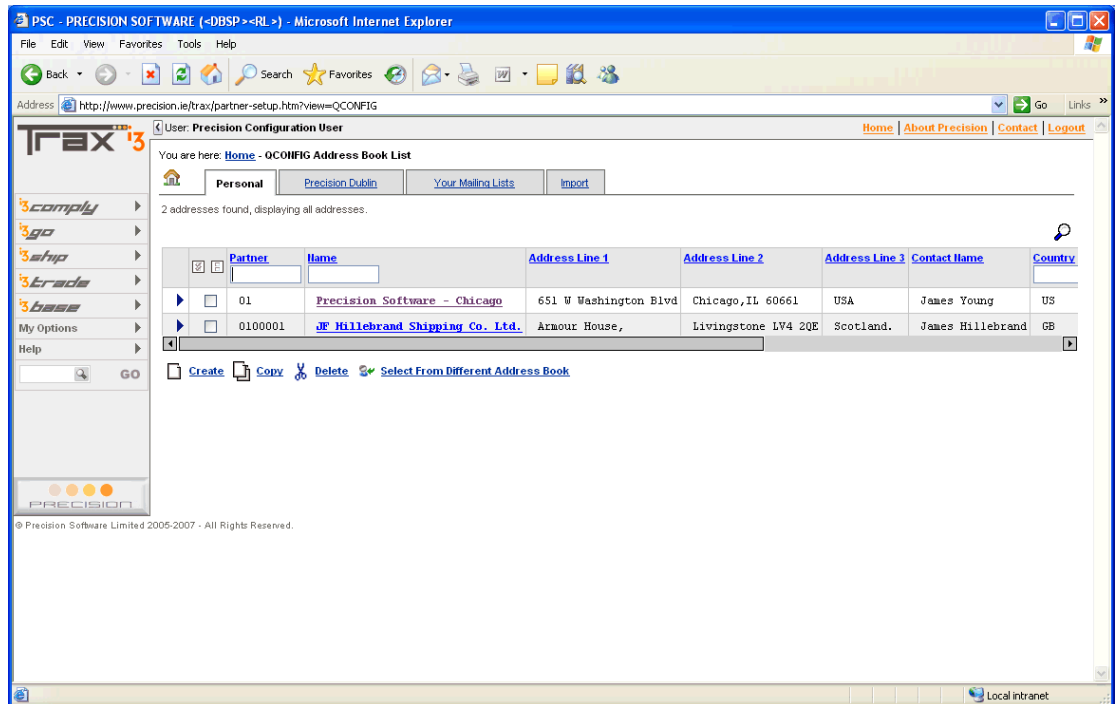
To access the recall page run the URL “/desktop-shipping-recall.htm”.

**Drop-off Locator:**

- The carriers displayed are now the carrier descriptions rather than the carrier codes. The services step has also been changed to show drop off carrier descriptions rather than codes.

**Partner Maintenance:**

- A new partner maintenance page is available. This allows one to add new addresses to the system. Addresses can be divided into different address categories. To access the page run quick path option “NR” or the URL “partner-setup.htm”.



The address categories a user can maintain is controlled by the system value:

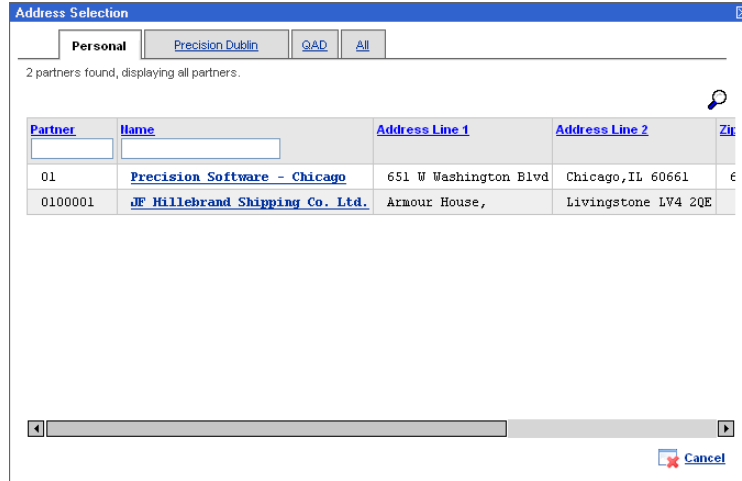
Category	Key	Default	Information
ITRAX	ADDRESS VIEWS UPDATE	All=	A list of key value pairs that detail the address categories a user can maintain. If the value is blank or not defined then a default category of All will be used.

The above screen is a result of having the “ADDRESS VIEWS UPDATE” system value set to “Personal={userid},Precision Dublin=PSLD”.

The address maintenance allows one to create, update, remove addresses that you are allowed to maintain. You can also add addresses from one category to another.

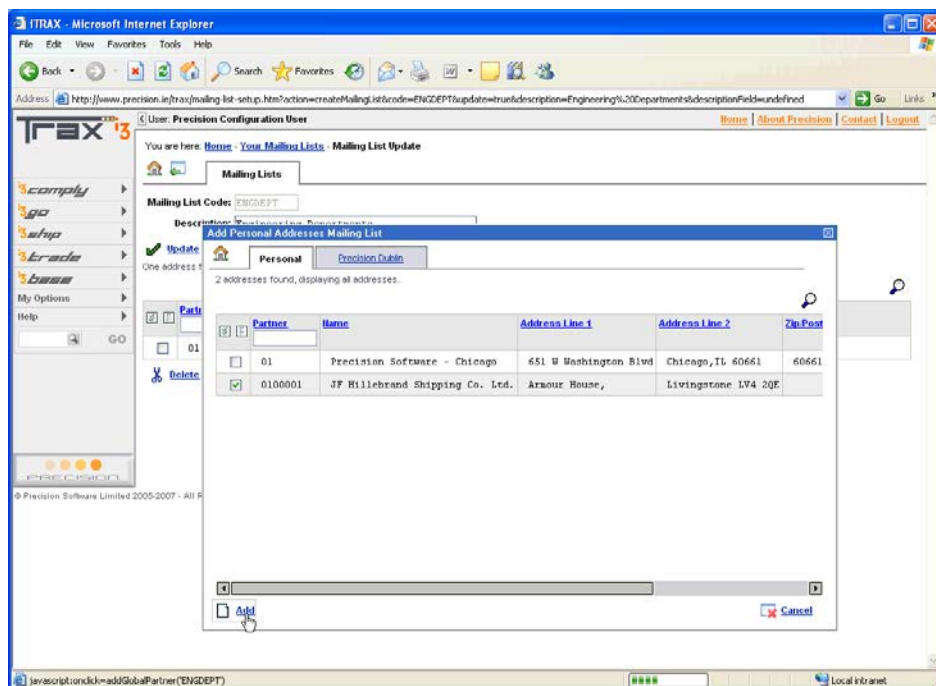
Address (Partner) selection has been enhanced to allow dynamic categories. Previously only “Personal” and “Global” were supported. This can now be set to any list of categories and is configured using the system value:

Category	Key	Default	Information
ITRAX	ADDRESS VIEWS	All=	A list of key value pairs that detail the address categories a user can select from. If the value is blank or not defined then a default category of All will be used.



The above screen is a result of having the “ADDRESS VIEWS” system value set to “Personal Personal={userid},Precision Dublin=PSLD,QAD=QAD,All=”.

- o A mailing list maintenance page is now available. Mailing lists are groups of addresses used by desk top shipping to streamline the shipping of the same goods to many destinations. The mailing list page allows a user group addresses that can see into a mailing list.



- The address import page now allows you to define what address categories imported addresses are associated with.

**Shipment Inquiry:**

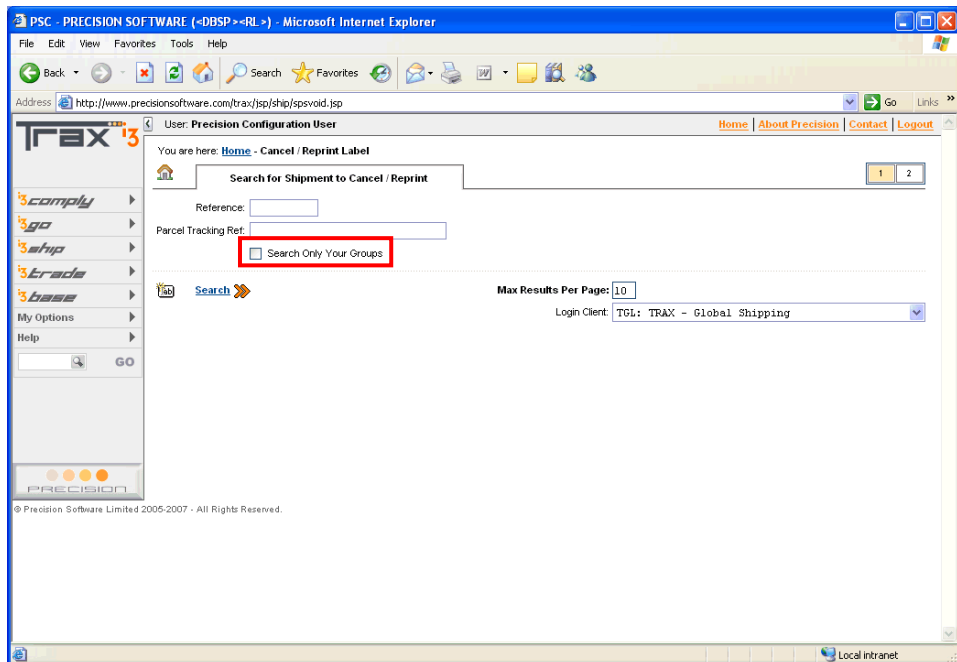
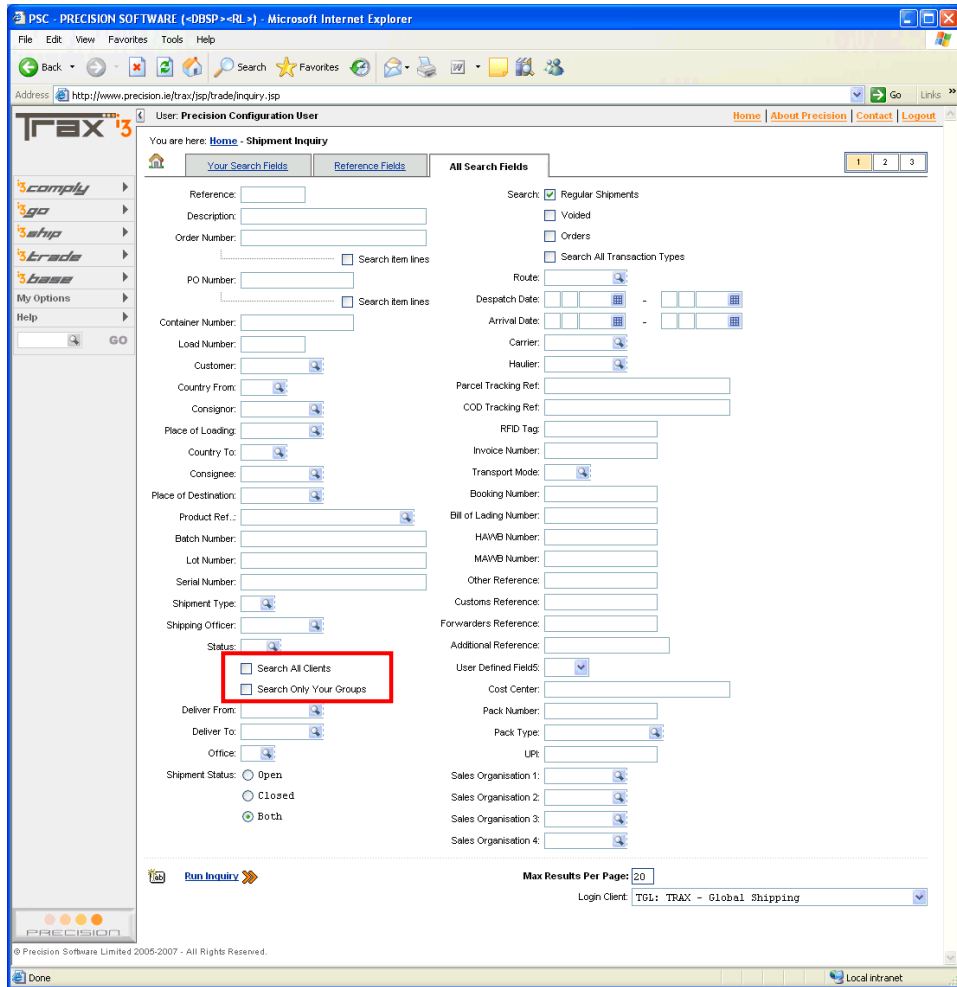
- The inquiry page can be configured to only show shipments that a user owns. Ownership of a shipment is based on the same logic that applies in standard cTRAX logic. This means users will only see shipments that belong to a user group that they are a member of.

Category	Key	Default	Information
ITRAX	INQ:YOUR GROUPS ONLY MANDATORY	no	If this is set to yes then the check box will be ticked and made insensitive. Users will have no choice but to see only shipments they own.

<input type="checkbox"/> Search All Clients <input checked="" type="checkbox"/> Search Only Your Groups
--

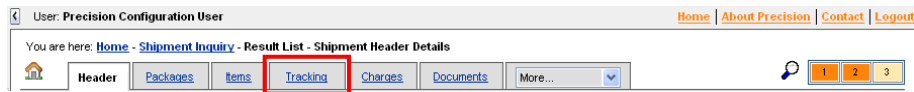
To get the “Search Only Your Groups” to appear on the “Your Search Fields” Shipment Inquiry page or the Shipment “Cancel / Reprint” page add “SEARCH\_ONLY\_YOUR\_GROUPS” to the “trax.inquiry.column1” or “trax.inquiry.column1” properties.

The shipment reprint/void page will also be affected by the “INQ:YOUR GROUPS ONLY MANDATORY” system value. If this is set to yes then the user will only be able to reprint/void shipments belonging to them. To get the “Search Only Your Groups” to appear on the reprint/void search page add “SEARCH\_ONLY\_YOUR\_GROUPS” to the “trax.spsvoid.column1” property.



- A new “Tracking” tab has been added to the inquiry results.

When this tab is selected tracking details for the given shipment are displayed. The information is retrieved from carrier services and presented to the user within the iTRAX browser page.



Carrier Tracking may be enabled for a particular packing location and global carrier code.

The following carriers are currently supported: UPS, FedEx, DHL and Bear River.

Tracking information is cached to prevent excessive requests being made to the carrier services. Cache information can be removed, as with other cached information, from the “ADMIN” page.

The following system value controls what tracking tab is shown on the inquiry page:

Category	Key	Values	Information
ITRAX	TRACKING_METHOD	none tracking events both	Controls what tracking tabs are displayed on the inquiry results. Note 1: Tracking requires advanced setup not covered in this document. Note 2: The events tab is part of i3discover and requires a database schema upgrade to function.

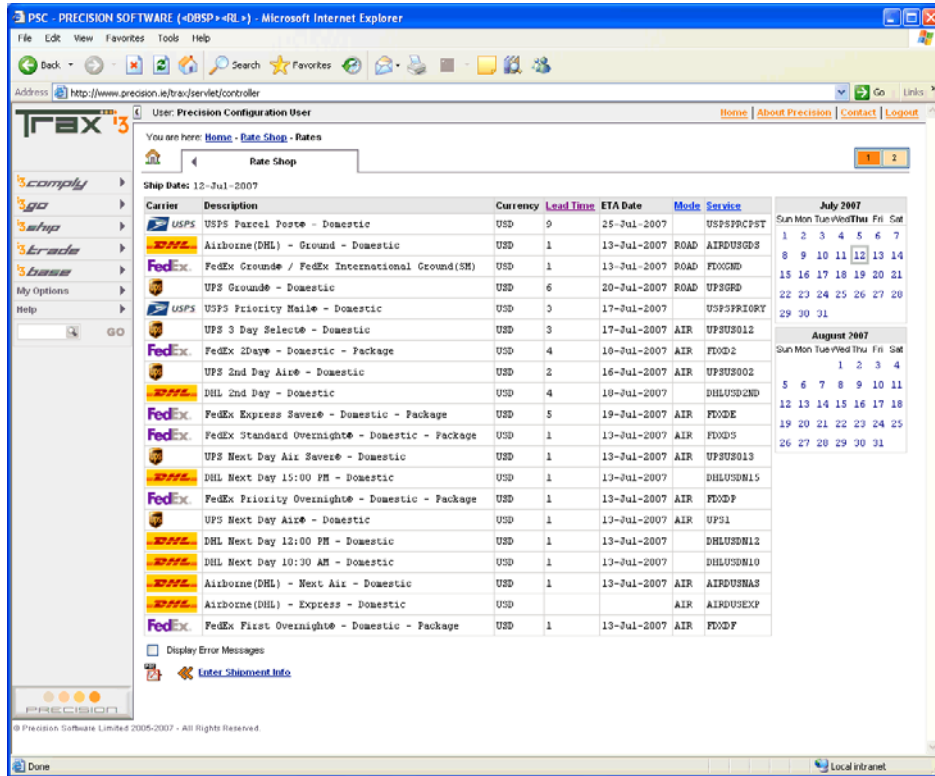
More information on configuring this functionality can be found in the document – “HOW TO: Configure SPS Tracking”.

- Costs shown on the rate shop result page can now be configured to show "Customer", "Company", "Both" or “None” charges.

Category	Key	Values	Information
ITRAX	INQUIRY - SHOW BASE COSTS	Customer Company Both None	Controls what charges are shown on the shipment inquiry charges page.

### Rate Shop:

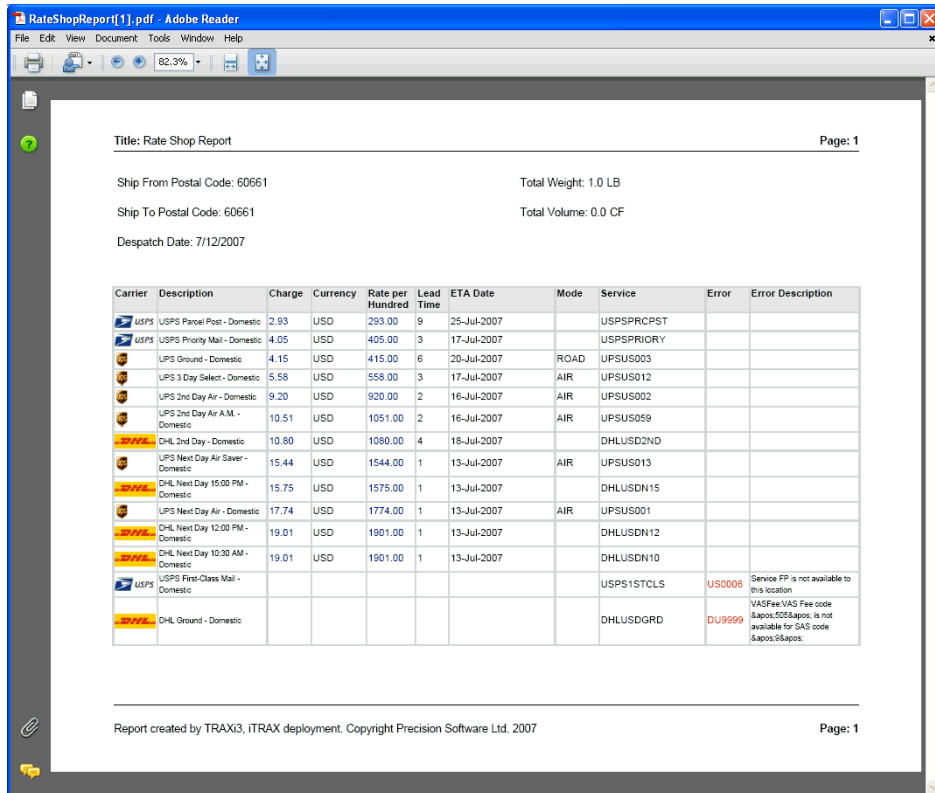
- The rates shop page has been modified to appear similar to the services step in desktop shipping.



- Costs shown on the rate shop result page can now be configured to show "Customer", "Company", "Both" or "None" charges.

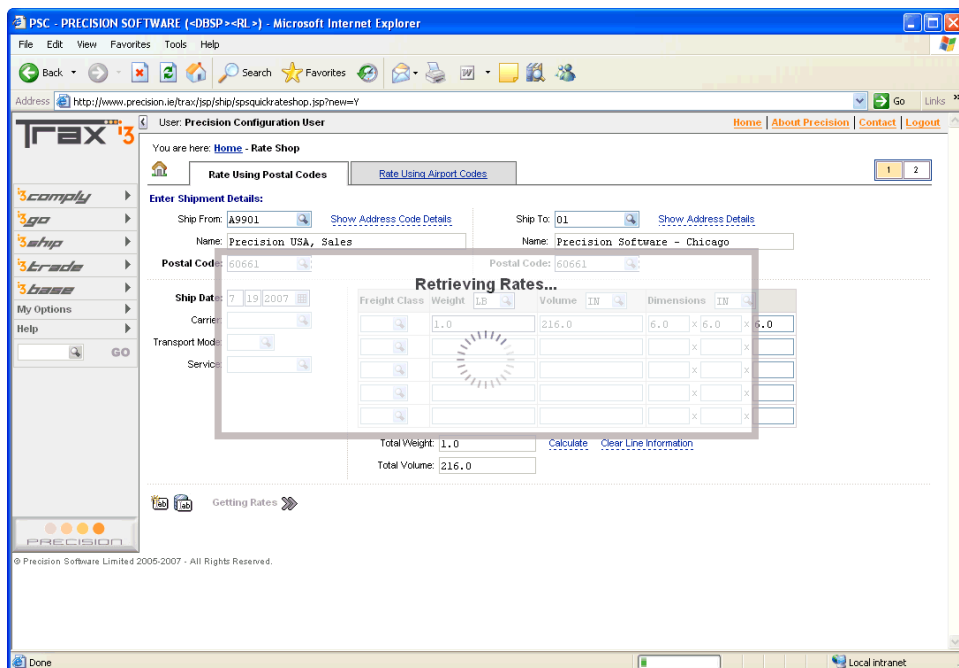
Category	Key	Values	Information
ITRAX	RATE SHOP - SHOW BASE COSTS	Customer Company Both None	Controls what charges are shown on the rate shop results page.

- The layout of the rate shop PDF document has been modified to correspond to the appearance of the rates displayed in the browser.



- A “loading” window has been added to the quick rate shop and the compliance step. If desired this can be suppressed by setting the system value "ITRAX" - "SHOW LOADING WINDOW" to "no". By default it will be displayed.

Category	Key	Values	Information
ITRAX	SHOW LOADING WINDOW	yes no	Controls the display of a loading window when running rate shop and compliance.

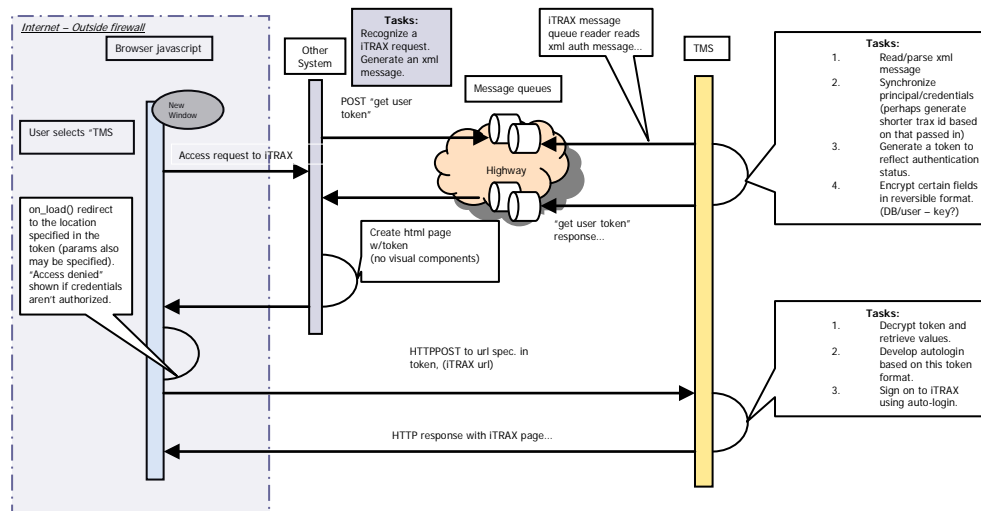


When waiting for the a desktop shipment to be rated and a label produced one can also enable a loading popup window. This can be achieved by setting the template property value 'showloading' to 'yes'. By default this will be 'no'.

### Single Sign On:

Single sign on offers a user the ability access a trax session from a separate application without the need for logging in again. This of course with the assumption that the user has already logged on to original application correctly. The main steps in this process aswell as an overview diagram are given below.

1. A user, already successfully signed on to an application (SV), clicks a link to open a separate trax session(TMS).
2. A separate window opens and a request is made to the SV's single sign on servlet.
3. The servlet retrieves the logged users xml config file (SingleSignOn.xml) and this gets posted to a highway queue.
4. A handler on the iTRAX server retrieves the xml message and parses it.
5. The handler then encrypts the details, stores them in a database and attaches the encrypted "key" for the details onto the http response.
6. A javascript on the receiving page simply performs a redirect to the login system of iTRAX with the associated login token.
7. iTRAX then logs the user in and redirects them to the page specified in their original xml message. If the login is unsuccessful, the user is presented with the regular iTRAX login page and their login error – bad credentials etc.



Category	Key	Values	Information
ITRAX	SSO-SECURITY	user user+pass altUser altUser+pass	This value will determine the way a single sign on user wishes to log on to iTRAX. user: Only a valid username is required. user-pass: A valid username and password are required.

			alt-user: Login attempt is made with an alternative username only. alt-user-pass: Login attempt is made with an alternative username and password.
ITRAX	SSO-EXPIRY-DURATION	An integer value.	This value will determine the length of time a sign on token will remain valid. Invalid tokens are removed by the system.

A cleanup utility has been introduced which periodically checks for orphaned (expired) tokens in the database. This may be switched on or off and the interval at which the utility checks may be changed using the properties below.

Note: When this utility starts up – always coinciding with the start/restart of the server, it performs a one time check – deleting ALL tokens, regardless of their expiry time, all subsequent cycles of the utility DO check for expiry time.

Property	Values	Information	Default
trax.sso.cleanup.enabled	yes no	This value will determine whether or not cleanup service for orphaned tokens will be run.	no
trax.sso.cleanup.interval	Any integer value.	This value will determine the time interval between each run of the token cleanup service. This value is in minutes.	120
trax.sso.config.xml.location	A string url.	This value points to the location of a test user defined xml message for login.	

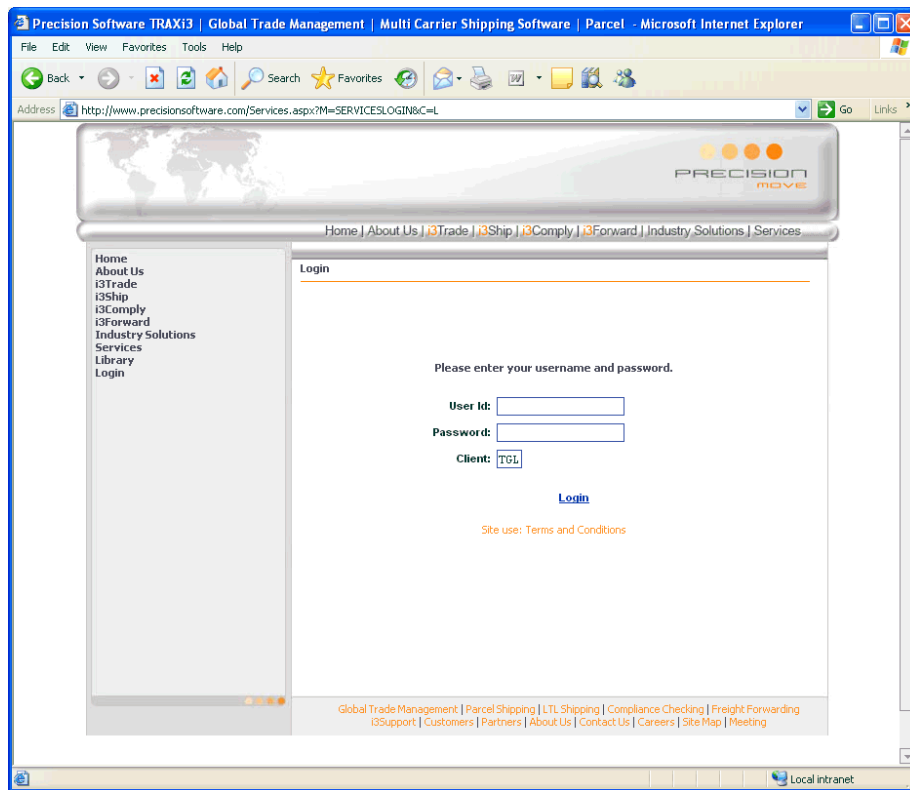
More information of this functionality can be found in the document “Single Sign On Config.doc”.

### Single Login:

#### Login:

- The login page can now be embedded into another page. This allows one to integrate iTRAX into an existing customer website.

Sample page: <http://www.precision.ie/trax/html/logintest.html>



## General:

- The date format used to display dates all pages has been changed. Display only dates are now shown using the DD-mmm-YYYY format, e.g. 07-Jul-2007. Dates that can be updated are now presented as “DD MM YYYY” or “MM DD YYYY” depending on the “Date Format” specified on the user profile (i.e. on the XTUSER0 user).
- Replaced use of system value category "ITRAX-DS" with "ITRAX".
- One can now re-order the menu items SHIP, GO, COMPLY and TRADE through use of the property “trax.menu.order”.  
e.g.  
trax.menu.order=COMPLY , GO , TRADE , SHIP

## Fixes

- When you perform a 2 step template in DTS and then a Typical template, certain information from the two step was being remembered. This has been fixed.
- Problems with the “Product” step in desk top shipping which arise when the context is something other than “/trax” have been fixed.
- Main page has been modified so that it is no longer possible for the footer to overlap with the left hand menu area.

- Main page has been modified so that link group areas expand to the full length of the links they contain.
- Improved support for Firefox/Safari.
- Fix AS/400 issues:  
Problem running Desktop Shipping - Documents Step - got data truncation error.  
Problem with persistence layer when fields in case tool are greater than 10 characters.
- Fixes issue with carrier drop down list not being populated.
- When you logout and your session has expired you get a “AuthenticationCredentialsNotFoundException”. This is now suppressed.
- When a database alias is changed in “trax.properties” file this could cause an issue requiring browser cookie information to be cleared. This problem has been fixed by ensuring aliases that become invalid but are still cached by the browser are not used.

## Installer Enhancements

### Minor Improvements

- Now installs Axis 1.4.