SAFIS
Electronic Reporting
File Upload Users Guide
Version 2.1

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A. Introduction

The Standard Atlantic Fisheries Information System (SAFIS) File Upload Module provides dealers with a method for reporting purchases by uploading data from a file to the electronic reporting database. The system is designed to use the Internet to report data previously reported using paper logs and printouts. Dealers will use web-based processes to upload a comma or tab delimited data file, which has been converted to the coding system required by SAFIS. This document guides the user through the file upload process.

The main changes in version 2.0 of the File Upload Module were to the Conversion Tables section; version 2.1, the Update option and the duplicate report and date checks. See Appendix B for a detailed list of the changes.

B. System Log In

Access to the File Upload module is through the SAFIS website, http://safis.accsp.org.
Users enter their assigned **User Name** and **Password** to login to the SAFIS system. If the dealer's account has been set for File Upload access, the 'File Upload' button will be active (highlighted). The 'File Upload' button is located slightly above the 'Exit' button on the left-hand side of the SAFIS Dealer Electronic Reporting (Dealer ER) web page.

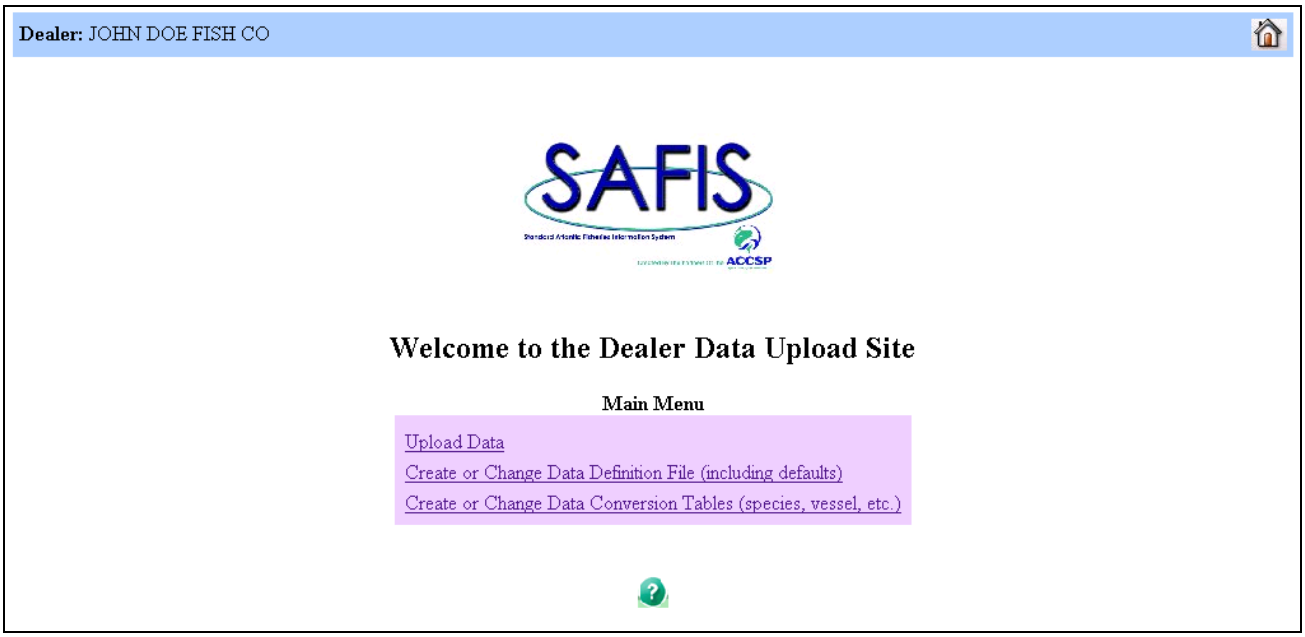
Click on the 'File Upload' button to get to the File Upload Module. This will bring you to the Main Menu of the Dealer Data Upload Site.

Note: If the 'File Upload' button is not active, contact your local SAFIS support personnel to change your settings to allow File Upload access. There is a list of the field offices with support personnel on the SAFIS Home Page under 'Get Started' (on some versions you have to click on the 'About SAFIS' button to get to this section). A full copy of this document can also be found at the bottom of the 'Get Started' section.

C. Dealer Data Upload Main Menu

The Main Menu presents the following options: 1) Upload Data, 2) Create or Change Definition File (including defaults), and 3) Create or Change Conversion Tables (species, vessel, etc.). An explanation of each option is presented below in its own section. To choose an option, click on it and you will immediately proceed to the web page for that option.

Main Menu



The Dealer Name will be displayed in the banner at the top of the Main Menu and all subsequent pages.

The '**Home**' icon will also be displayed on the right-hand side of the banner on all pages. Clicking on the '**Home**' icon will bring you back to the Main Menu.

Click on the 'Help' icon (the question mark, '?') to see an explanation of the data items that are required for the File Upload. The information is also listed in Appendix A.

D. Create or Change Data File Definition (including defaults)

To use the Upload Data option, the dealer's data must be in a comma or tab delimited data file. These files can be output from common spreadsheets, databases, or accounting software. The first step in the file upload process is to define the record layout of the dealer's raw data. Using the Data Definition form, the user indicates the ordinal position of each column in the data records. See Appendix A for Required Data, data types and field sizes.

Field Names with an asterisk (*) require a conversion table to convert the dealer's codes to SAFIS codes. The user may also set default values for Port Landed and Species Disposition. The historical 6-digit NMFS Port Code will be accepted and automatically converted, if it is used as a default value. If the NMFS Port Code is used in the data file (as the dealer's port code), it must have a conversion table mapping it to the corresponding SAFIS codes.

If the Species Disposition is the same for all of the species in the data set, then the default value can be selected from the pull-down list next to the entry cell. If the disposition varies within the file or is not yet known, choose the blank species disposition code from the pull-down list. Note: The discard disposition code being used for dealers is '100', i.e., "Discard, reason unknown".

Data Definition Form

Dealer: JOHN DOE FISH CO

Dealer Data Definition Table

Enter Value to Indicate the Order of the Column in the Data File.
Enter Default Data Values if they Exist.
Asterisk(*) indicates a conversion table is required if this field is used.

NOTE: Use the TAB key or Mouse to navigate the form. Use the SUBMIT button or the ENTER key to save the definitions.

File Delimiter Type: TAB

FIELD NAME	ORDER	DEFAULT VALUE	FIELD NAME	ORDER
Ticket Number	1		Seq Number	0
Date Landed	7		Time Landed	0
*Port Landed	0	242203	SAFIS State Code	0
VTR Serial Number	0		SAFIS Place Code	0
			SAFIS County Code	0
*Dealer Vessel Code	4		Vessel Registration	0
*Dealer Gear Code	0		SAFIS Gear Code	0
*Dealer Species Code	9		SAFIS Species Code	0
Species Disposition	0	001-Food	SAFIS Grade Code	0
*Dealer Fisherman Code	13		SAFIS Market Code	0
Quantity	11		Unit of Measure	0
Price	12		Dollars	0
*Dealer Area Code	14		SAFIS Area Fished	0
			SAFIS Sub area	0

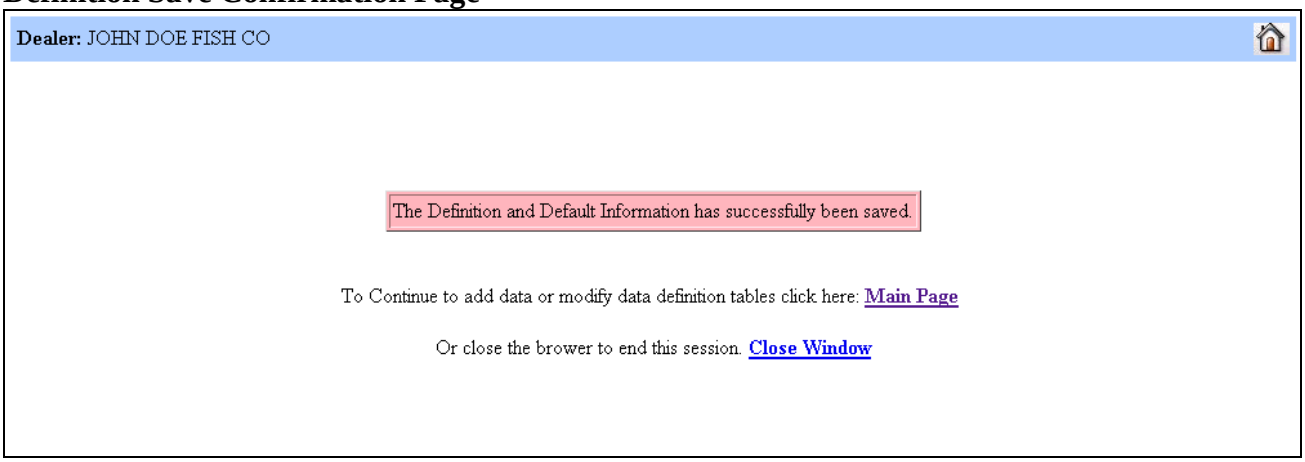
SUBMIT EXIT

Use the 'Tab' key or mouse to navigate the form; the 'SUBMIT' button or 'Enter' key to save the data definition; and the 'EXIT' button to return to the Main Menu without saving the definition.

Note: A single field can now be used to create more than one conversion table. For example, if the dealer has the vendor linked to the vessel information, the Dealer Vessel Code or the Dealer Fisherman Code could be used to create Vessel, Fisherman and/or Gear conversion Tables. See Section G for a fuller explanation.

Once the Data Definition is saved, the Definition Save Confirmation page is displayed. At this point the data file is ready for the preliminary file upload.

Definition Save Confirmation Page

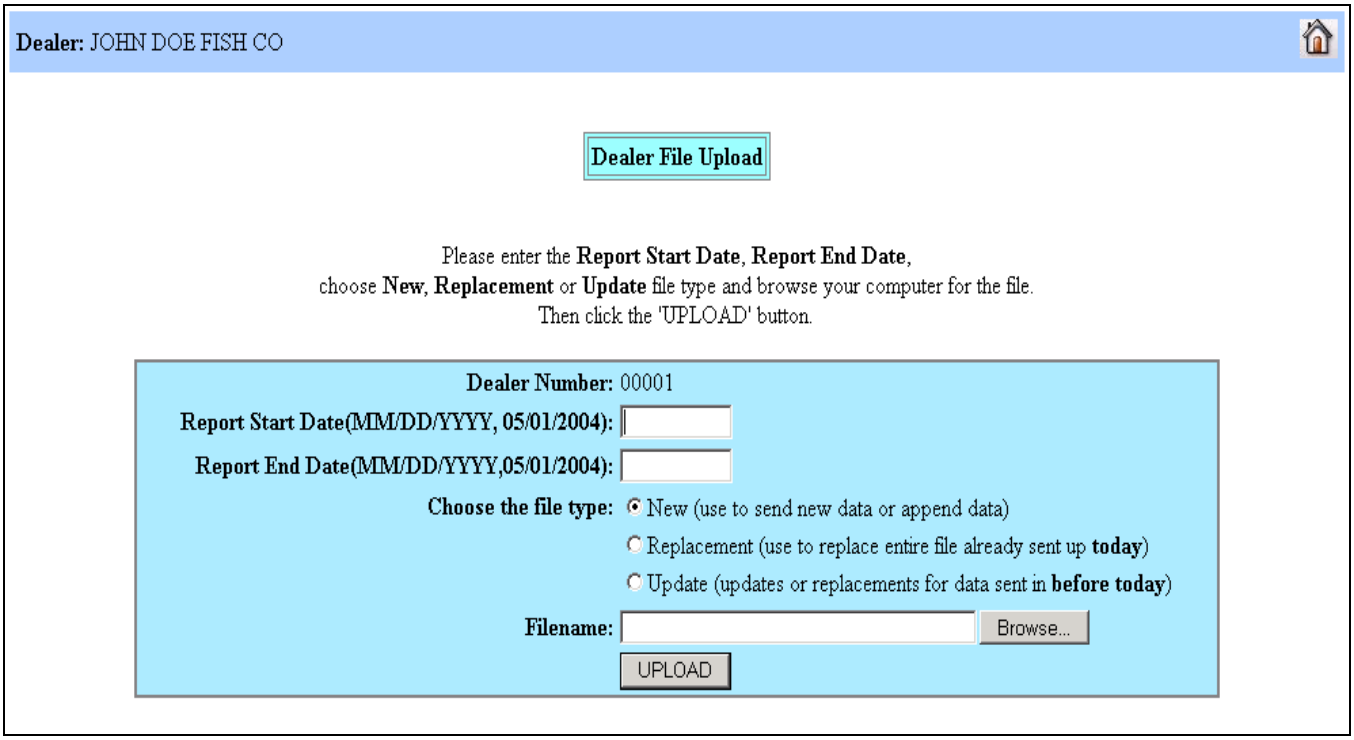


From the Save Confirmation page, the user may choose, 'Main Page' to return to the Main Menu to choose another option or 'Close Window' to exit the browser.

E. File Upload Procedures

After the Data Definition has been saved, the user can upload the raw dealer data. The Dealer File Upload web page is used to set the file parameters prior to the upload of the dealer's raw data.

Upload Web Page



- The dealer number is displayed. This is the dealer's Federal permit number or State license number. If a dealer has both, then the Federal permit is usually the default.

- Enter the Report Start Date in the format given in the example next to the entry cell. This is the start date of the data content.

- Enter the Report End Date. This is the end date of the data content. If the data is for one day, then start and end dates are the same. If the end date is not entered then the default is one day.

- Select the file type ('New', 'Replacement' or 'Update'). Click the radio button next to the appropriate file type. If this data is being sent up the first time, choose 'New'. If the same data is being sent again on the same day, choose 'Replacement'. If the data was submitted before today, then choose 'Update'. If the file being uploaded is a replacement for a file sent the same day, a list of files previously submitted will be presented to the user. The user must select the file that is to be replaced.

- Browse to locate the file to upload. Click on the file in the browse window, and then click 'OPEN'. The filename will appear in the Filename entry cell. Click on the 'UPLOAD' button to display the dealer's raw data.

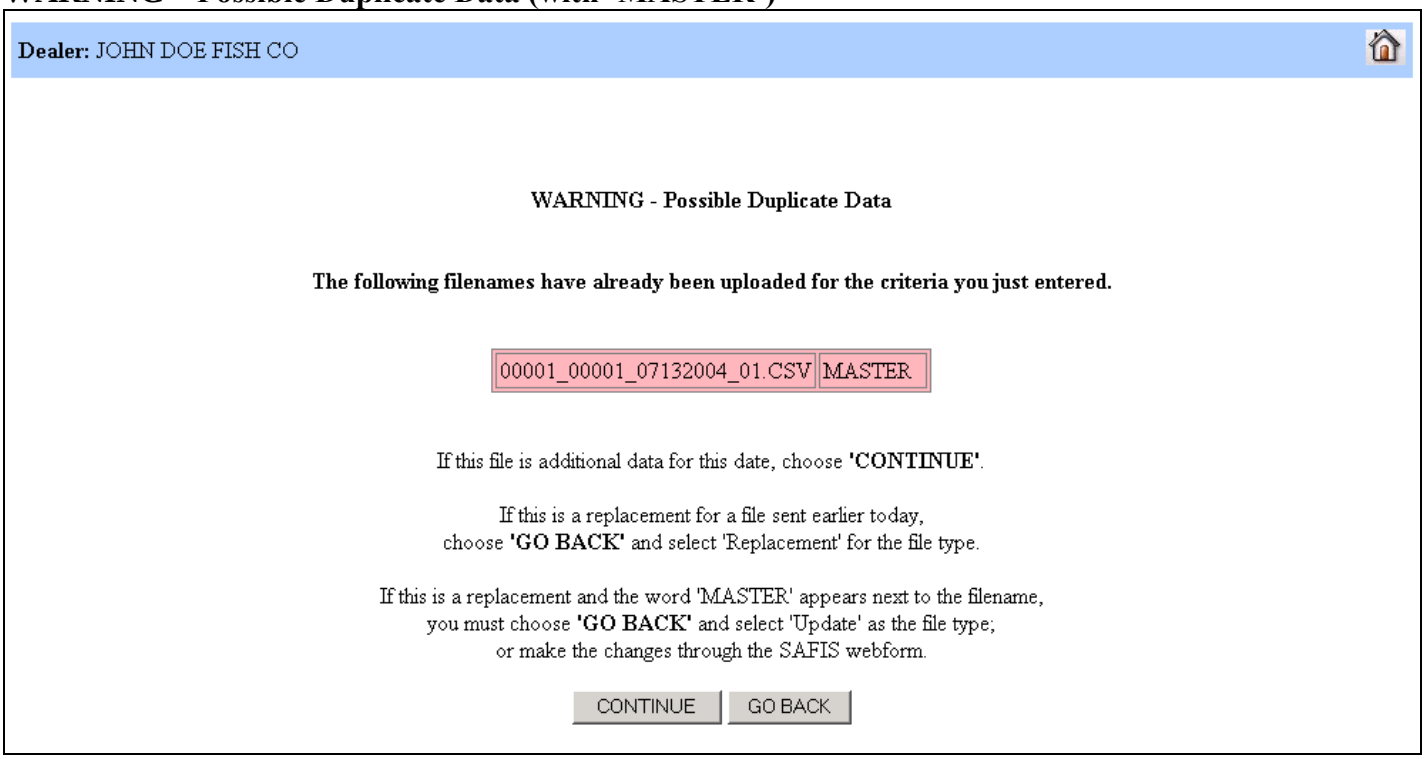
Checks for Duplicate or Missing Data, Based on File Type

The validity of the file type is checked before the data is processed. If the file type is 'New', there is a check to see if you have loaded any other files with the same filename today. If an earlier file from the same day with the same name exists, you will see the following message. It is a warning, only. If you are sending additional data in a new file, just select 'Continue'. If it is replacement data, you must go back to the previous screen and select the correct file type ('Replacement'), otherwise you will get error messages for 'Duplicate Ticket Numbers' when you try to load the data.

WARNING – Possible Duplicate Data

If the file type is 'New' and a file with the same name was loaded on another day, you will see the following message. Again, it is only a warning. If you are sending additional data in a new file, just select 'Continue'. But if it is replacement data, you must go back to the previous screen and select the correct file type ('Update'), otherwise you will get error messages for 'Duplicate Ticket Numbers' when you try to load the data.

WARNING – Possible Duplicate Data (with 'MASTER')



Dealer: JOHN DOE FISH CO

WARNING - Possible Duplicate Data

The following filenames have already been uploaded for the criteria you just entered.

00001_00001_07132004_01.CSV	MASTER

If this file is additional data for this date, choose **'CONTINUE'**.

If this is a replacement for a file sent earlier today,
choose **'GO BACK'** and select 'Replacement' for the file type.

If this is a replacement and the word 'MASTER' appears next to the filename,
you must choose **'GO BACK'** and select 'Update' as the file type;
or make the changes through the SAFIS webform.

CONTINUE | GO BACK

Select 'CONTINUE' to process the file; 'GO BACK' to return to the Upload Data File screen.

Example of a Dealer's Raw Data

Dealer: JOHN DOE FISH CO

Dealer Raw Data

Ticket Number	*Dealer Vessel Code	Date Landed	*Dealer Species Code	Quantity	Price	*Dealer Fisherman Code	*Dealer Area Code
1	JANEDOE	20030626	Ling - #1 60#	7	0.25	Doe, John	12
1	JANEDOE	20030626	SCUP - SM 60#	13	0.25	Doe, John	12
1	JANEDOE	20030626	Scup - MED 60#	12	0.75	Doe, John	12
1	JANEDOE	20030626	Scup - LGE 60#	8	0.9	Doe, John	12
1	JANEDOE	20030626	Seabass - SM 60#	3	1.05	Doe, John	12
2	JACKIEDOE	20030626	Angler - SM 60#	5	1.4	Doe, James	23
2	JACKIEDOE	20030626	Shad 60#	65	0.02	Doe, James	23
2	JACKIEDOE	20030626	Squid Loligo - REG 60#	14	1.5	Doe, James	23
2	JACKIEDOE	20030626	Squid Loligo - LGE 60#	2	1.9	Doe, James	23
2	JACKIEDOE	20030626	Scup - MED 60#	5	0.75	Doe, James	23

CONFIRM this DATA | POPULATE Conversion Tables | EXIT Without Saving this File

If the dealer's raw data is displayed correctly, it indicates that the definition file is correct. Choose one of the options at the bottom of the raw data display page to continue.

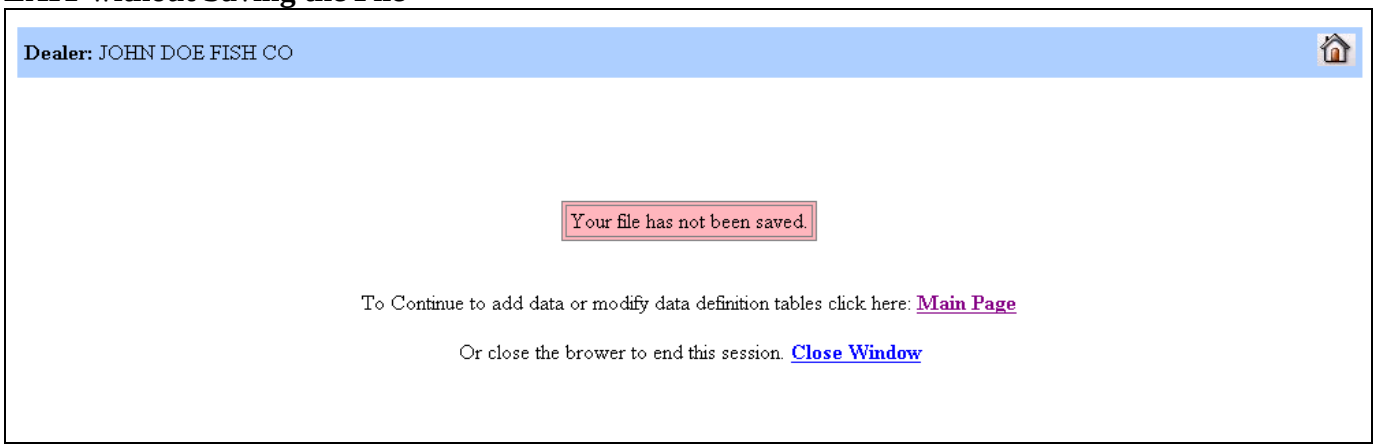
- **POPULATE Conversion Tables -** If you are using columns (*) that require a conversion table and you have not already set up the conversion tables, or the file contains new codes, click on the 'POPULATE Conversion Tables' button to build the conversion tables. See Section F for detailed guidance on creating or updating the coding conversion tables.

- **CONFIRM this DATA -** If the conversion tables were built in a previous session, choose 'CONFIRM this DATA'. If the dealer's conversion tables are complete, the dealer's data is converted to the SAFIS data upload format with the SAFIS codes for all relevant columns, and displayed for final review. If there are some codes missing from the conversion tables, you will get an error listing. Samples of the Converted Data and Error Listings follow.

Note: The data definition and code conversion options are run the first time the dealer prepares data for the file upload. Once the definition and conversion options are successful for the first data file upload, all subsequent uploads may only require modifications to the definitions and conversion tables.

- **EXIT Without Saving this File -** Click on the 'EXIT Without Saving this File' button, to return to the Main Page or Close the application without uploading the file to SAFIS. The following screen will be displayed.

EXIT without Saving the File



Click on ‘Main Page’ to return to the Main Menu or ‘Close Window’ to exit the browser.

Sample of Converted Dealer Data with SAFIS Codes

Dealer: JOHN DOE FISH CO

Data Ready for Upload

SAFIS Participant Id	Date Landed	SAFIS State Code	SAFIS Place Code	SAFIS County Code	Federal Vessel Permit	Vessel Registration	SAFIS Vessel Id	SAFIS Species Code	SAFIS Grade Code	SAFIS Market Code	Unit of Measure	Species Disposition	Quantity	Price	Dollars	VTR Serial Number	SAFIS Gear Code
101397	06/26/2003	25	22165	005	123456	MV123	17	164730	01	UN	LB	001	7	0.25	1.75		
101397	06/26/2003	25	22165	005	123456	MV123	17	169182	01	SQ	LB	001	13	0.25	3.25		
101397	06/26/2003	25	22165	005	123456	MV123	17	169182	01	MD	LB	001	12	0.75	9		
101397	06/26/2003	25	22165	005	123456	MV123	17	169182	01	LG	LB	001	8	0.9	7.2		
101397	06/26/2003	25	22165	005	123456	MV123	17	167687	01	SQ	LB	001	3	1.05	3.15		
101397	06/26/2003	25	22165	005	789101	MV456	18	164499	09	SQ	LB	001	5	1.4	7		
101397	06/26/2003	25	22165	005	789101	MV456	18	161702	01	UN	LB	001	65	0.02	1.3		
101397	06/26/2003	25	22165	005	789101	MV456	18	082372	01	MD	LB	001	14	1.5	21		
101397	06/26/2003	25	22165	005	789101	MV456	18	082372	01	LG	LB	001	2	1.9	3.8		
101397	06/26/2003	25	22165	005	789101	MV456	18	169182	01	MD	LB	001	5	0.75	3.75		

LOAD Data | EXIT Without Saving this File

Sample of Converted Dealer Data with SAFIS Codes (continued)

SAFIS Area Fished	SAFIS Sub area	Fisherman's License	Dealer License	Seq Number	Filename	Status	Date Entered	User of Entry	Date Changed	User of Change	Ticket Number	Time Landed
136	0000	12345	00001		00001_00001_06262003_01.CSV	I		FEDUSER			1	
136	0000	12345	00001		00001_00001_06262003_01.CSV	I		FEDUSER			1	
136	0000	12345	00001		00001_00001_06262003_01.CSV	I		FEDUSER			1	
136	0000	12345	00001		00001_00001_06262003_01.CSV	I		FEDUSER			1	
136	0000	12345	00001		00001_00001_06262003_01.CSV	I		FEDUSER			1	
004	0009	67891	00001		00001_00001_06262003_01.CSV	I		FEDUSER			2	
004	0009	67891	00001		00001_00001_06262003_01.CSV	I		FEDUSER			2	
004	0009	67891	00001		00001_00001_06262003_01.CSV	I		FEDUSER			2	
004	0009	67891	00001		00001_00001_06262003_01.CSV	I		FEDUSER			2	
004	0009	67891	00001		00001_00001_06262003_01.CSV	I		FEDUSER			2	

If the data has no errors, then click the 'LOAD Data' button at the bottom of the display screen and the data will be inserted into the SAFIS database tables. If the data is not satisfactory, choose 'EXIT Without Saving this File' to return to the Main Menu.

Upload Confirmation

If the data successfully loads then a confirmation page will be displayed. If the price, species disposition, or VTR Serial Number is not included in the data records, then the confirmation page will indicate that the data is incomplete. If all of the required data is included, the confirmation page will indicate that the data is complete. See the two sample confirmations pages below.

File Upload Confirmation Page for Incomplete Data

Dealer: JOHN DOE FISH CO

Corporate Name: JOHN DOE FISH CO
Dealer Number: 00001
Site Code: 01930
Reporting Period: 06/26/2003 - 06/30/2003
Number of Purchase Records: 11
Confirmation Number: 00001_01930_06262003_04.CSV

This File has been loaded and saved, but is **INCOMPLETE** because **Price**, **Species Disposition**, or **VTR Serial Number** is missing. These values can be added through the SAFIS Web Form.

To Continue to add data or modify data definition tables click here: **Main Page**

Or close the brower to end this session. **Close Window**

The user is encouraged to save or print the confirmation page for their records. Use the Internet browser's print option.

File Upload Confirmation Page for Complete Data

Dealer: JOHN DOE FISH CO

Corporate Name: JOHN DOE FISH CO
Dealer Number: 00001
Site Code: 01930
Reporting Period: 06/26/2003 - 06/30/2003
Number of Purchase Records: 11
Confirmation Number: 00001_01930_06262003_01.CSV

This File has been saved and is **COMPLETE**.

To Continue to add data or modify data definition tables click here: **Main Page**

Or close the brower to end this session. **Close Window**

Click on 'Main Page' to return to the Main Menu or 'Close Window' to exit the browser.

Data Errors

If the File Upload is unsuccessful, an error listing is displayed. The error listing displays the record number in question and an error message. Typical errors are: a) "code is missing", i.e., a required data field is not defined in the Data Definition; b) "xxx not in Species/Vessel/Gear table" , i.e. there are new dealer codes in the data file that have not been converted to SAFIS codes in the dealer's conversion tables, or there is a typo or misspelling in the dealer's code; c) invalid data, such as date, license number, vessel registration number, etc. See the sample error page below.

Sample page showing file upload errors

Dealer: JOHN DOE FISH CO

Record Number	Error Message
Rec No: 1	Error: State code or Place code or County code is missing
Rec No: 2	Error: State code or Place code or County code is missing
Rec No: 3	Error: Scup - MED 60# not in Species table
Rec No: 3	Error: State code or Place code or County code is missing
Rec No: 4	Error: State code or Place code or County code is missing
Rec No: 5	Error: State code or Place code or County code is missing
Rec No: 6	Error: Seabass - MED 60# not in Species table
Rec No: 6	Error: State code or Place code or County code is missing
Rec No: 7	Error: State code or Place code or County code is missing
Rec No: 8	Error: State code or Place code or County code is missing
Rec No: 9	Error: State code or Place code or County code is missing
Rec No: 10	Error: State code or Place code or County code is missing
Rec No: 11	Error: Scup - MED 60# not in Species table
Rec No: 11	Error: State code or Place code or County code is missing

Return to Upload Screen

Click on the 'Return to Upload Screen' button, to go back to the upload screen, and then choose 'POPULATE Conversion Tables' to update the conversion tables. Click on the 'Home' icon to return to the Main Menu. The file is not saved.

More Data Errors

The record will be listed as an error if the file type is 'New' and 1) another file exists with the same filename waiting to be transferred to the Master tables; or 2) the Ticket Number and species exist in the Master data. The two error listings below display the record number in question and an error message. The difference between the two types of error messages, is whether the original file was uploaded on the same day or a previous day. See the sample error pages below.

Sample Error page #1 showing 'Ticket Number … already exists' errors

Dealer: JOHN DOE FISH CO

Record Number	Error Message
Rec No: 1	Error: This Ticket Number and Species already exist. Choose File Type Replacement, if you wish to update your File
Rec No: 2	Error: This Ticket Number and Species already exist. Choose File Type Replacement, if you wish to update your File
Rec No: 3	Error: This Ticket Number and Species already exist. Choose File Type Replacement, if you wish to update your File
Rec No: 4	Error: This Ticket Number and Species already exist. Choose File Type Replacement, if you wish to update your File
Rec No: 5	Error: This Ticket Number and Species already exist. Choose File Type Replacement, if you wish to update your File
Rec No: 6	Error: This Ticket Number and Species already exist. Choose File Type Replacement, if you wish to update your File
Rec No: 7	Error: This Ticket Number and Species already exist. Choose File Type Replacement, if you wish to update your File
Rec No: 8	Error: This Ticket Number and Species already exist. Choose File Type Replacement, if you wish to update your File
Rec No: 9	Error: This Ticket Number and Species already exist. Choose File Type Replacement, if you wish to update your File
Rec No: 10	Error: This Ticket Number and Species already exist. Choose File Type Replacement, if you wish to update your File
Rec No: 11	Error: This Ticket Number and Species already exist. Choose File Type Replacement, if you wish to update your File
Rec No: 12	Error: This Ticket Number and Species already exist. Choose File Type Replacement, if you wish to update your File

Return to Upload Screen

Click on the 'Return to Upload Screen' button, to go back to the upload screen, and select the '**Replacement**' file type. Click on the 'Home' icon to return to the Main Menu. The file is not saved.

Sample Error page #2 showing 'Ticket Number … already exists in Master' errors

Dealer: JOHN DOE FISH CO

Record Number	Error Message
Rec No: 1	Error: This Ticket Number and Species already exist in Master Data. Choose Update, if you wish to update your File
Rec No: 2	Error: This Ticket Number and Species already exist in Master Data. Choose Update, if you wish to update your File
Rec No: 3	Error: This Ticket Number and Species already exist in Master Data. Choose Update, if you wish to update your File
Rec No: 4	Error: This Ticket Number and Species already exist in Master Data. Choose Update, if you wish to update your File
Rec No: 5	Error: This Ticket Number and Species already exist in Master Data. Choose Update, if you wish to update your File
Rec No: 6	Error: This Ticket Number and Species already exist in Master Data. Choose Update, if you wish to update your File
Rec No: 7	Error: This Ticket Number and Species already exist in Master Data. Choose Update, if you wish to update your File
Rec No: 8	Error: This Ticket Number and Species already exist in Master Data. Choose Update, if you wish to update your File
Rec No: 9	Error: This Ticket Number and Species already exist in Master Data. Choose Update, if you wish to update your File
Rec No: 10	Error: This Ticket Number and Species already exist in Master Data. Choose Update, if you wish to update your File
Rec No: 11	Error: This Ticket Number and Species already exist in Master Data. Choose Update, if you wish to update your File
Rec No: 12	Error: This Ticket Number and Species already exist in Master Data. Choose Update, if you wish to update your File

Return to Upload Screen

Click on the 'Return to Upload Screen' button, to go back to the upload screen, and select the '**Update**' file type. Click on the 'Home' icon to return to the Main Menu. The file is not saved.

F. Data Conversion Procedures

F.1 Introduction to Data Conversion

The tables or files needed to translate the dealer's codes into the SAFIS codes are created using a set of web-based processes. All of a dealer's conversion tables are stored in the database tables on the SAFIS network and are linked to their Participant ID.

Note (first time users): The system is designed to capture your dealer's codes from the raw data upload performed in Section E. If you have not performed the initial UPLOAD step, please go to Section E and use the "POPULATE Conversion Tables' option to create a startup set of conversion tables.

The Selection Page for the data conversion process gives the user the options to Build, Edit and List their conversion tables in the SAFIS database tables on the network; or Download and Upload the conversion tables from their PC. The user must select the conversion table to work on for all options. For the Vessel, Commercial fishing license, and Area conversion tables, the users can also select the State to use in the selection lists.

If one PC file is being used for multiple conversions, the PC file must be uploaded for each conversion table. This is to identify the data specific to each conversion table. For example, if the dealer had a spreadsheet for vendors with columns for the vendor code, the vessel/fisherman's name, the vessel registration number, gear, and the fisherman's state license, the spreadsheet could be used to build three conversion tables. See Section G for a fuller explanation.

The Species Conversion (Species_Conv) table is used as an example throughout this section of the user's guide. The Fisherman Conversion Table is also be used to demonstrate the State selection with the Edit and List options. The processes work the same for each conversion table.

F.2 Using the State Selection Option

The 'State' selection was added to the Conversion Table Module to break up the Vessel and Commercial Fishing License Tables by the registering state because of their size. It is also used for the Area Conversion Table, since the inshore areas (water body codes) are grouped by state. The 'State' selection box is always set to the dealer's default state when you come into the Data Conversion screen, but can be changed to look up licenses and areas for a state other than the default setting. The 'State' selection applies only to the database options (Build, Edit, List All) for the Vessel, Fisherman, and Area conversion tables, and determines what is displayed for the database options and in the selection lists.

The default State is based on the state/agency issuing the dealer's license/permit number. The default setting for State permitted only dealers, is the 2 letter State code. The default setting for Federally permitted dealers is 'None'. If a dealer has both a state license and a federal permit, the Federal permit takes precedence and 'None' would be displayed. Always check the 'State' selection when working with the Vessel, Fisherman, and Area conversion tables.

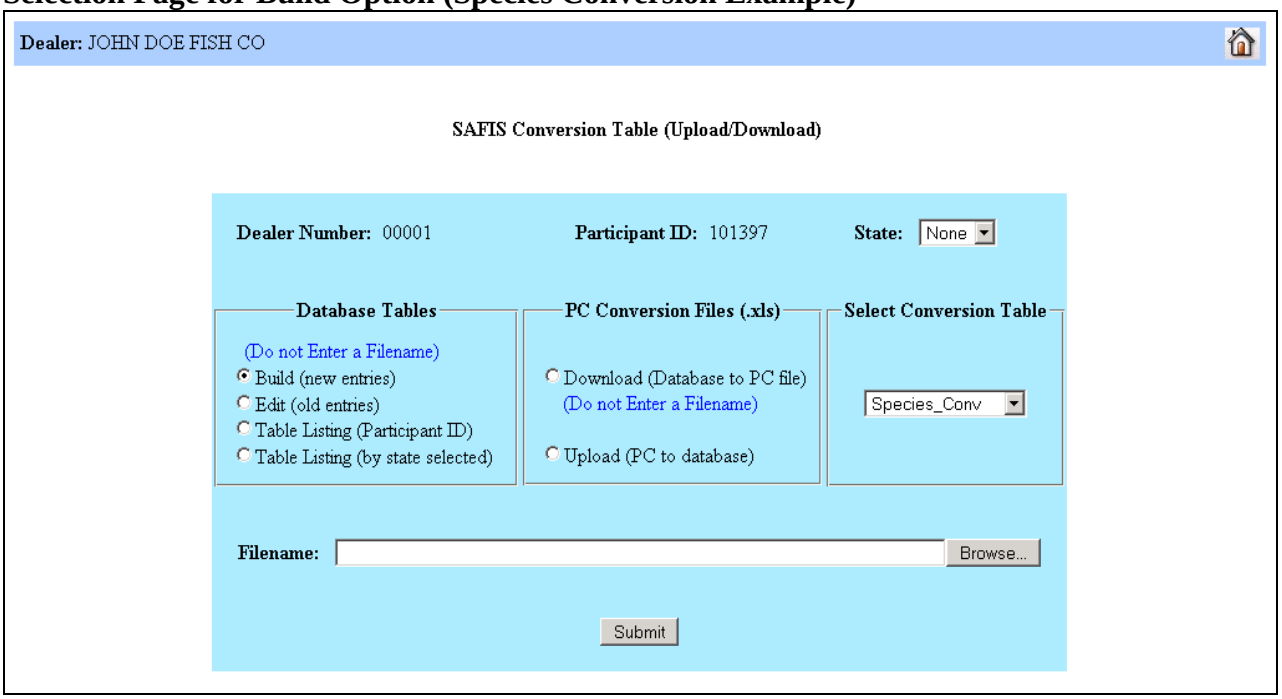
The 'State' selection list includes the values 'None' and 'US', in addition to the eastern seaboard states. The 'None' option will list entries that do not have a state entered for the record. The 'US' option is for the Area Conversion Table, and will list the Federal area codes.

F. 3 Database Tables Options

Build (New Entries)

The 'Build' option is used to build a conversion table to translate the dealer's codes to the corresponding SAFIS codes. It is usually activated from the Upload Screen's 'POPULATE Conversion Tables' option, but can be activated from the 'Main Menu/Conversion Tables' option if there are unconverted dealer codes in the dealer's conversion table. Only the unconverted dealer codes will be displayed for the 'Build' option.

Selection Page for Build Option (Species Conversion Example)



- Click on the radio button next to 'Build' under the 'Database Tables' heading, to start.
- Choose the table to convert from the pull-down list under the 'Select Conversion Table' heading. Click on to the right of the Conversion Table entry cell. A list of tables will appear. Click on the table name and it will appear in the entry cell.
- Select the 'State', if you are building the Vessel, Fisherman, or Area Conversion Table.
- Do not enter a filename for this option.
- Click on the 'Submit' button and the dealer codes will be displayed in a form. Blank columns will be provided to populate the SAFIS codes.

See the Conversion Table Form next.

Conversion Table Form with only the Dealer's Code Displayed

Dealer: JOHN DOE FISH CO

Species Conversion Table (Build/Edit Database Table)

Participant_ID	Dealer Species	Combined Species Code
101397	ANGLER - SM 60#	
101397	LING - #1 60#	
101397	SCUP - LGE 60#	
101397	SCUP - MED 60#	
101397	SCUP - SM 60#	
101397	SEABASS - MED 60#	
101397	SEABASS - SM 60#	
101397	SHAD 60#	
101397	SQUID LOLIGO - LGE 60#	
101397	SQUID LOLIGO - REG 60#	

Submit Return

To populate this form with the SAFIS codes, select the appropriate code from the pull-down lists.

- For each dealer's code, the user should click on to the right of the blank entry cell for a master list of the SAFIS codes.

- Use the mouse to browse the list to find the appropriate code. Click on the code and it will be entered into the SAFIS code entry cell. To speed up the browse process, type the first letter of the SAFIS code and the cursor will skip to items beginning with that letter.

Note: There are codes for 'unknown' permit or license by registering state in the Vessel and Fisherman master lists. Therefore, it should be possible to convert every dealer code to a corresponding SAFIS code before loading the data file. Since Vessel is required for Federal reporting and Fisherman (Commercial Fishing License) is required for State reporting, the unknowns will have to be resolved eventually. Contact your local SAFIS support personnel if you need codes added to the master lists.

Conversion Table Form with the Dealer's Code and SAFIS Code Displayed

Dealer: JOHN DOE FISH CO

Species Conversion Table (Build/Edit Database Table)

Participant_ID	Dealer Species	Combined Species Code
101397	ANGLER - SM 60#	ANGLERFISH - TAILS - SMALL - LB
101397	LING - #1 60#	HAKE,ATLANTIC,RED - ROUND - UNKNOWN - LB
101397	SCUP - LGE 60#	SCUP - ROUND - LARGE - LB
101397	SCUP - MED 60#	SCUP - ROUND - MEDIUM - LB
101397	SCUP - SM 60#	SCUP - ROUND - SMALL - LB
101397	SEABASS - MED 60#	SEA BASS, ATLANTIC - ROUND - MEDIUM - LB
101397	SEABASS - SM 60#	SEA BASS, ATLANTIC - ROUND - SMALL - LB
101397	SHAD 60#	SHAD, AMERICAN - ROUND - UNKNOWN - LB
101397	SQUID LOLIGO - LGE 60#	SQUID,LONG FINNED - ROUND - LARGE - LB
101397	SQUID LOLIGO - REG 60#	SQUID,LONG FINNED - ROUND - MEDIUM - LB

Submit Return

After the table is populated, click on 'Submit' to save the data to the SAFIS database, or click on 'Return'.

'Submit' will automatically return you to the Conversion Table Selection Page. If you choose 'Return', the screen will return to the 'Dealer Raw Data' display (see page 6), if you originated from the 'POPULATE Conversion Tables' function. If you originated from the Conversion Tables function, the screen will return to the Data Conversion Selection Page (Section F.3). To completely abandon either process, click on the 'Home' icon to return to the Main Menu.

If you choose 'Submit', the following message is displayed.

Confirmation Screen for Successful Insert of Data Conversion File

Insert Successful

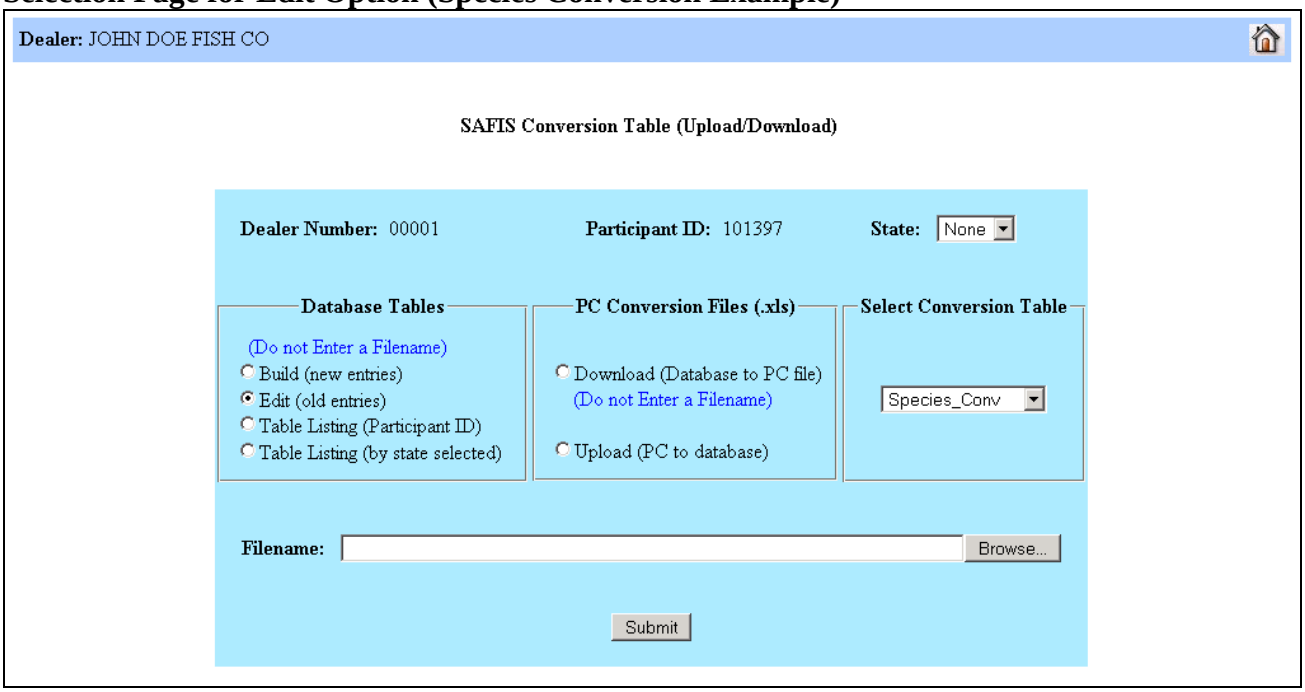
Return

Edit (Existing Entries)

The Edit option is used to edit an existing conversion table that translates the dealer's codes to their corresponding SAFIS codes. This option can be activated from the Upload Screen's 'POPULATE Conversion Tables' option, or from the 'Main Menu/Conversion Tables' option. Only dealer codes that have been converted to a corresponding SAFIS code will be displayed for the 'Edit' option.

The first example is for the Species Conversion where the State is not applicable; the second is the Fisherman Conversion Table with 'CF Licenses from just one state and RI' as the selected State; and the third is the Fisherman Conversion Table with CF Licenses from more than one state.

Selection Page for Edit Option (Species Conversion Example)



- Click on the radio button next to 'Edit' under the 'Database Tables' heading, to start.
- Choose the table to convert from the pull-down list under the 'Select Conversion Table' heading. Click on to the right of the Conversion Table entry cell. A list of tables will appear. Click on the table name and it will appear in the entry cell.
- Select the 'State', if you are editing Vessel, Fisherman, or Area Conversion Table.
- Do not enter a filename for this option.
- Click on the 'Submit' button and the dealer codes with the existing SAFIS code conversion will be displayed in a form.

See the Conversion Table Form next.

Conversion Table Form with the Dealer's Code and SAFIS Code Displayed

Dealer: JOHN DOE FISH CO

Species Conversion Table (Build/Edit Database Table)

Participant_ID	Dealer Species	Combined Species Code
101397	ANGLER - SM 60#	ANGLERFISH - TAILS - SMALL - LB
101397	LING - #1 60#	HAKE,ATLANTIC,RED - ROUND - UNKNOWN - LB
101397	SCUP - LGE 60#	SCUP - ROUND - LARGE - LB
101397	SCUP - MED 60#	SCUP - ROUND - MEDIUM - LB
101397	SCUP - SM 60#	SCUP - ROUND - SMALL - LB
101397	SEABASS - MED 60#	SEA BASS, ATLANTIC - ROUND - MEDIUM - LB
101397	SEABASS - SM 60#	SEA BASS, ATLANTIC - ROUND - SMALL - LB
101397	SHAD 60#	SHAD, AMERICAN - ROUND - UNKNOWN - LB
101397	SQUID LOLIGO - LGE 60#	SQUID,LONG FINNED - ROUND - LARGE - LB
101397	SQUID LOLIGO - REG 60#	SQUID,LONG FINNED - ROUND - MEDIUM - LB

Submit Return

To update an existing entry, select the new code from the pull-down list of SAFIS codes.

- For each entry you wish to change, click on to the right of the SAFIS codes entry cell for a master list of the SAFIS codes.

- Use the mouse to browse the list to find the desired code. Click on the code and it will replace the existing SAFIS code. To speed up the browse process, type the first letter of the SAFIS code and the cursor will skip to items beginning with that letter.

When you are finished, click on 'Submit' to save the data to the SAFIS database, or 'Return' to return without saving the updates.

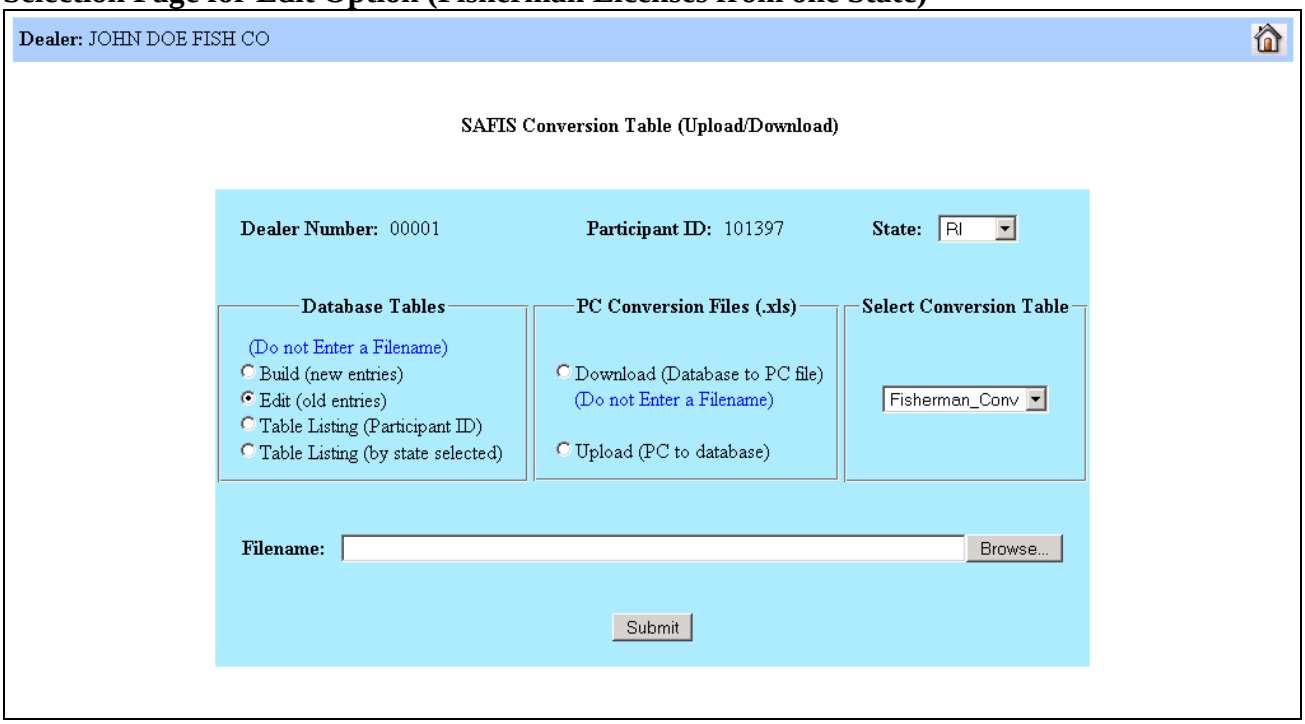
'Submit' will automatically return you to the Conversion Table Selection Page. If you choose 'Return', the screen will return to the 'Dealer Raw Data' display (see page 6), if you originated from the 'POPULATE Conversion Tables' function. If you originated from the Conversion Tables function, the screen will return to the Conversion Table Selection Page (see Section F.3).

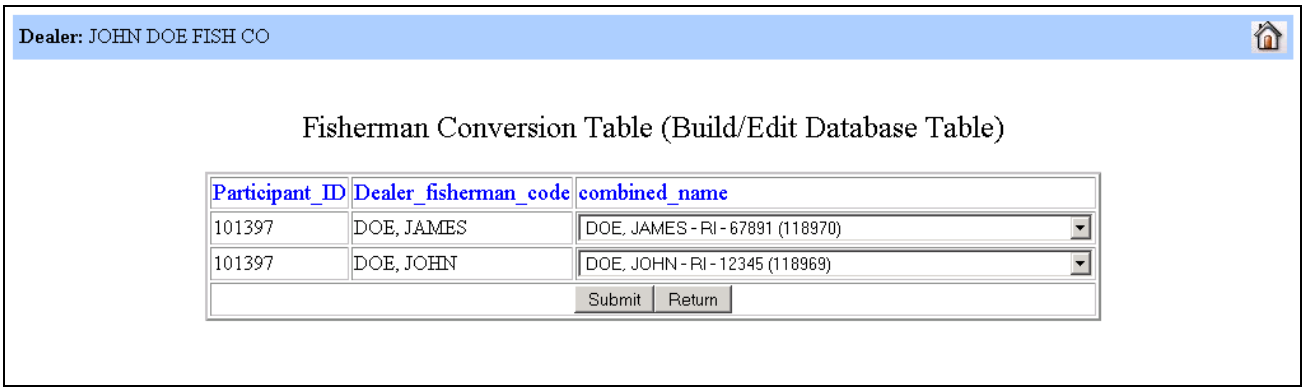
To completely abandon either process, click on the 'Home' icon to return to the Main Menu.

Edit Using Selection Lists from One State

The selection for the Fisherman or Vessel Conversion Table is the same as for the previous example, except that the 'State' selected determines what is displayed as table entries and in the selection lists.

Selection Page for Edit Option (Fisherman Licenses from one State)





To update an existing entry, select the new code from the pull-down list of SAFIS codes.

- For each entry you wish to change, click on to the right of the SAFIS code entry cell for a list of the SAFIS codes for the selected state.
- Use the mouse to browse the list to find the desired code. Click on the code and it will replace the existing SAFIS code. To speed up the browse process, type the first letter of the SAFIS code and the cursor will skip to items beginning with that letter.

When you have finished, click on 'Submit' to save the changes, or 'Return' to return to the previous menu without saving the changes. To completely abandon either process, click on the 'Home' icon to return to the Main Menu.

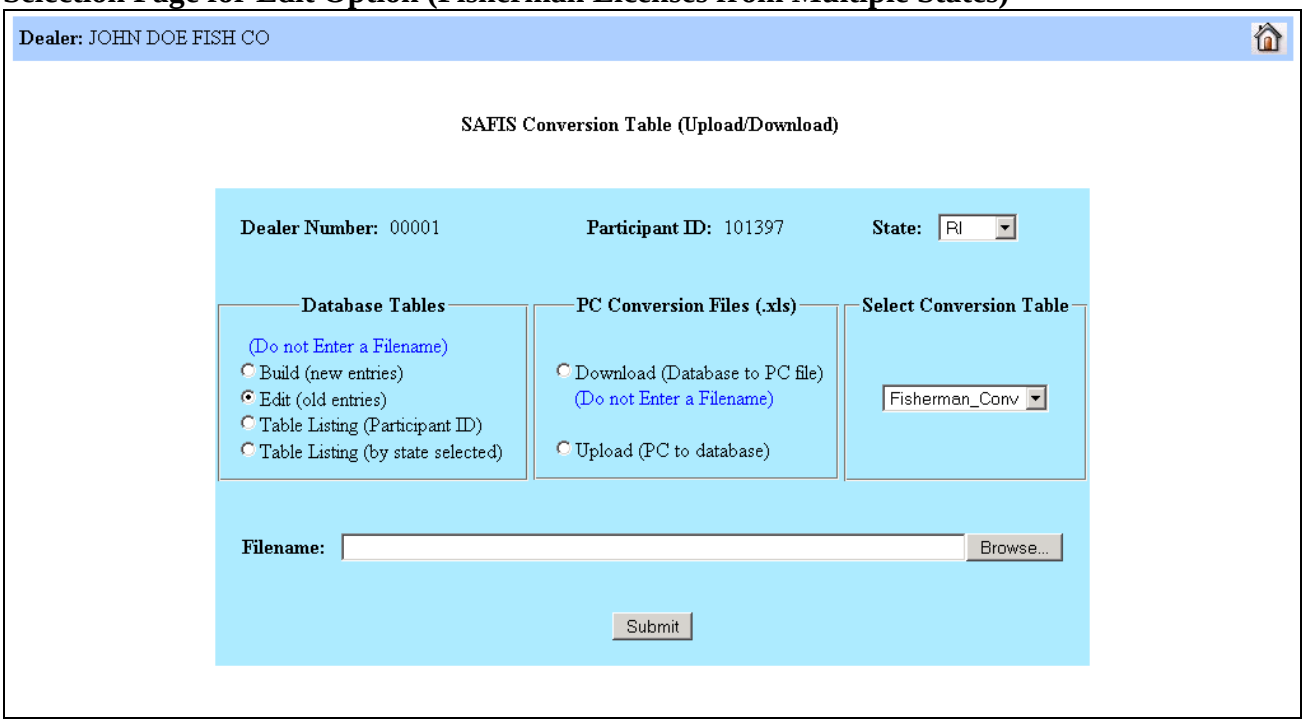
Edit Using Selection Lists from Multiple States

This Edit selection for the Fisherman or Vessel Conversion Table varies from the previous example, in that there are multiple states involved. If you want to change an existing entry in the conversion table to a license number from another state, you must first blank out the existing entry using the 'Edit' function, and then return to the Conversion Table Selection Page to select the new 'State'. This is because the selection lists for the Vessel, Fisherman, and Area conversion tables are based on the 'State' selection made on the Conversion Table Selection Page.

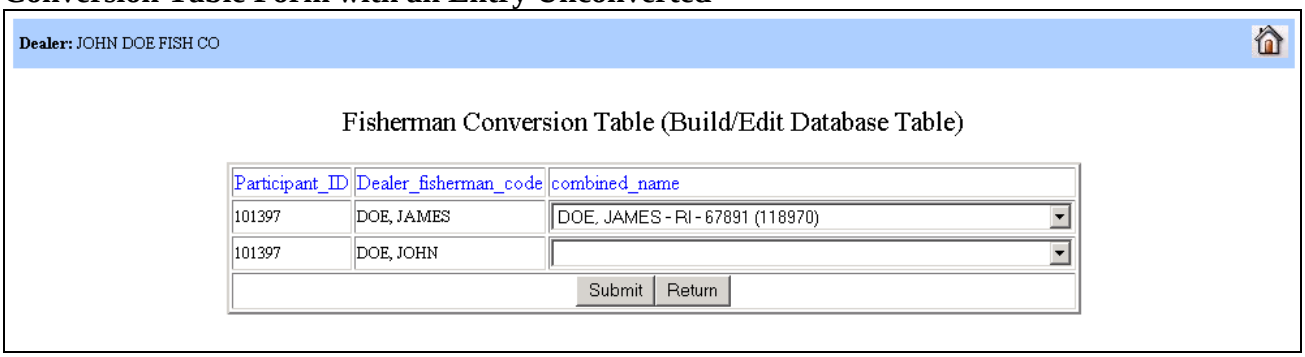
The steps to change an existing entry to an entry from another State:

1) Select the 'Edit' option and the conversion table.
2) Submit.
3) Select the blank/null value from the selection list for the entry you want to change.
4) Submit the change, returning to the Conversion Table Selection.
5) Select the new 'State' (to get the right selection lists).
6) Select the 'Build' option.
7) Submit.
8) Fill the empty cells from the second state's selection lists.
9) Submit to save the new entry.

Selection Page for Edit Option (Fisherman Licenses from Multiple States)



Conversion Table Form with an Entry Unconverted



Find the entry you want to change, and select the blank/null entry from the pull-down list on the right. 'Submit' the change to save the blank entry. Once the entry is blank, it will show up for the 'Build' option in the next step.

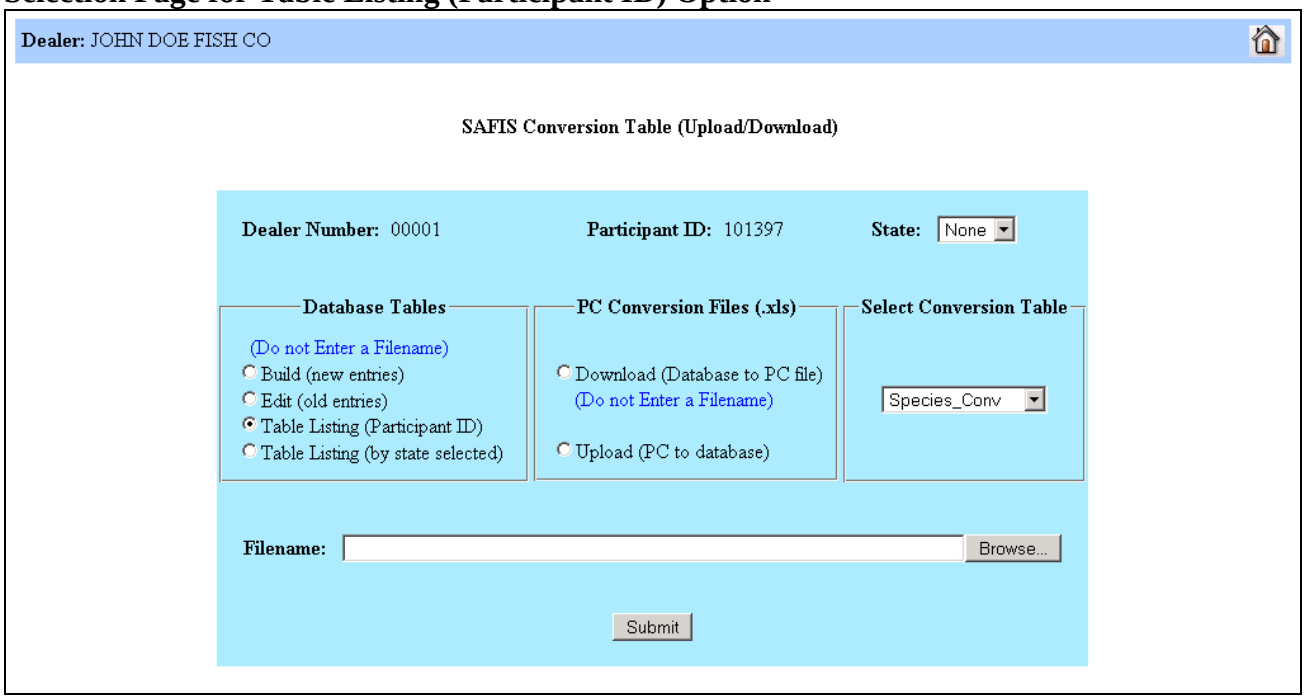
Select the new 'State' and the 'Build' function; find the empty cell, and select the correct conversion value. 'Submit' to save the new conversion value.

Table Listing (Participant ID)

This option is used to display a listing of the dealer's codes with their corresponding SAFIS codes. Click the radio button next to 'Table Listing (Participant ID)', select a conversion table, and then click on the 'Submit' button to display the list. Do not enter a filename.

Click on the '**Home**' icon to return to the Main Menu.

Selection Page for Table Listing (Participant ID) Option



Species Conversion Table (Table Listing)

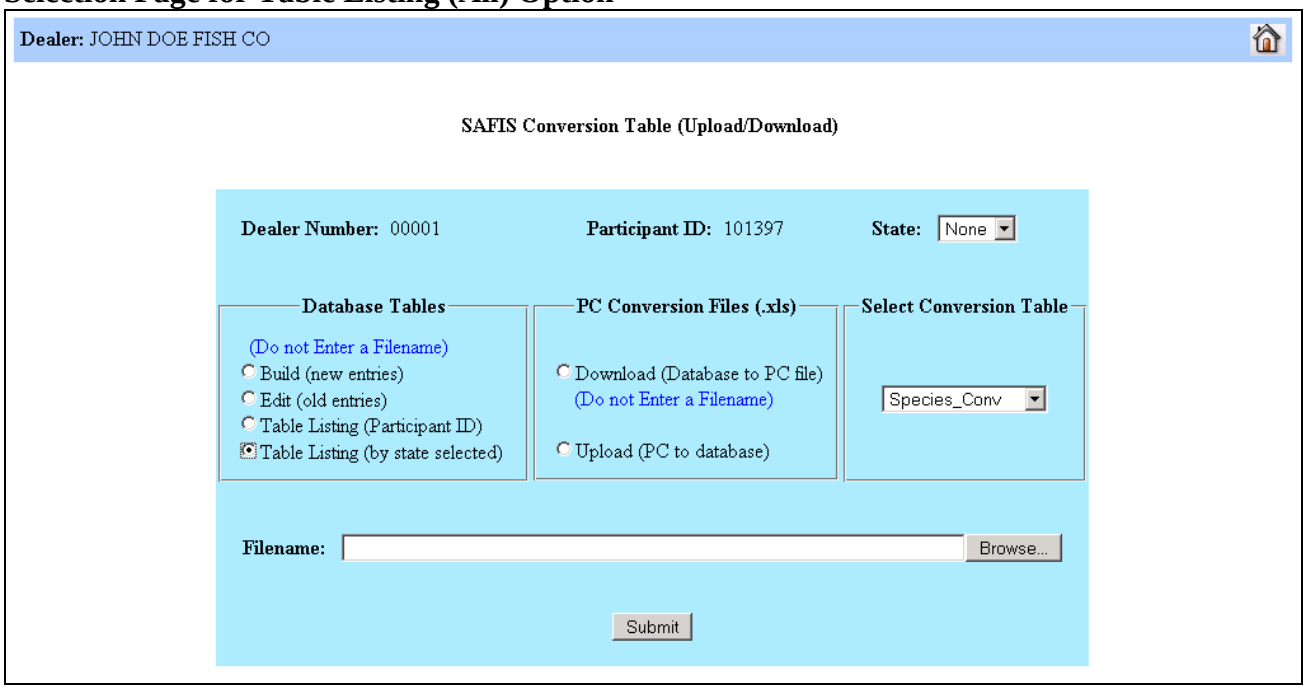
PARTICIPANT_ID	DEALER_SPECIES_CODE	COMBINED_NAME	SPECIES_ITIS	GRADE_CODE	MARKET_CODE	UNIT_MEASURE
101397	ANGLER - SM 60#	ANGLERFISH - TAILS - SMALL - LB	164499	9	SQ	LB
101397	LING - #1 60#	HAKE,ATLANTIC,RED - ROUND - UNKNOWN - LB	164730	1	UN	LB
101397	SCUP - LGE 60#	SCUP - ROUND - LARGE - LB	169182	1	LG	LB
101397	SCUP - MED 60#	SCUP - ROUND - MEDIUM - LB	169182	1	MD	LB
101397	SCUP - SM 60#	SCUP - ROUND - SMALL - LB	169182	1	SQ	LB
101397	SEABASS - MED 60#	SEA BASS, ATLANTIC - ROUND - MEDIUM - LB	167687	1	MD	LB
101397	SEABASS - SM 60#	SEA BASS, ATLANTIC - ROUND - SMALL - LB	167687	1	SQ	LB
101397	SHAD 60#	SHAD, AMERICAN - ROUND - UNKNOWN - LB	161702	1	UN	LB
101397	SQUID LOLIGO - LGE 60#	SQUID,LONG FINNED - ROUND - LARGE - LB	82372	1	LG	LB

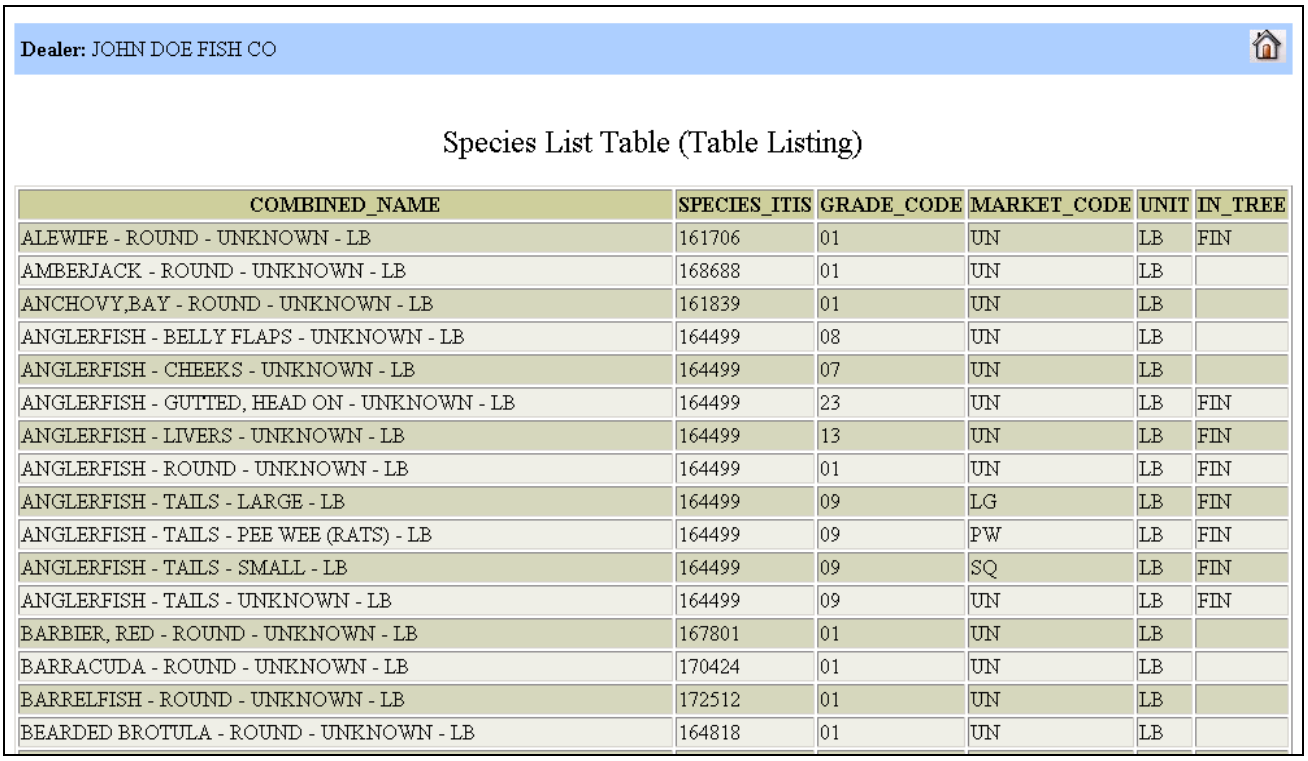
Table Listing (All or selected State)

This option is used to display the SAFIS codes for the conversion table selected. Click the radio button next to 'Table Listing (by selected State)', select a conversion table, and then click 'Submit' to display the list. Do not enter a filename. Click on the '**Home**' icon to return to the Main Menu.

Examples follow for Species (All) and Fisherman (by State) listings.

Selection Page for Table Listing (All) Option



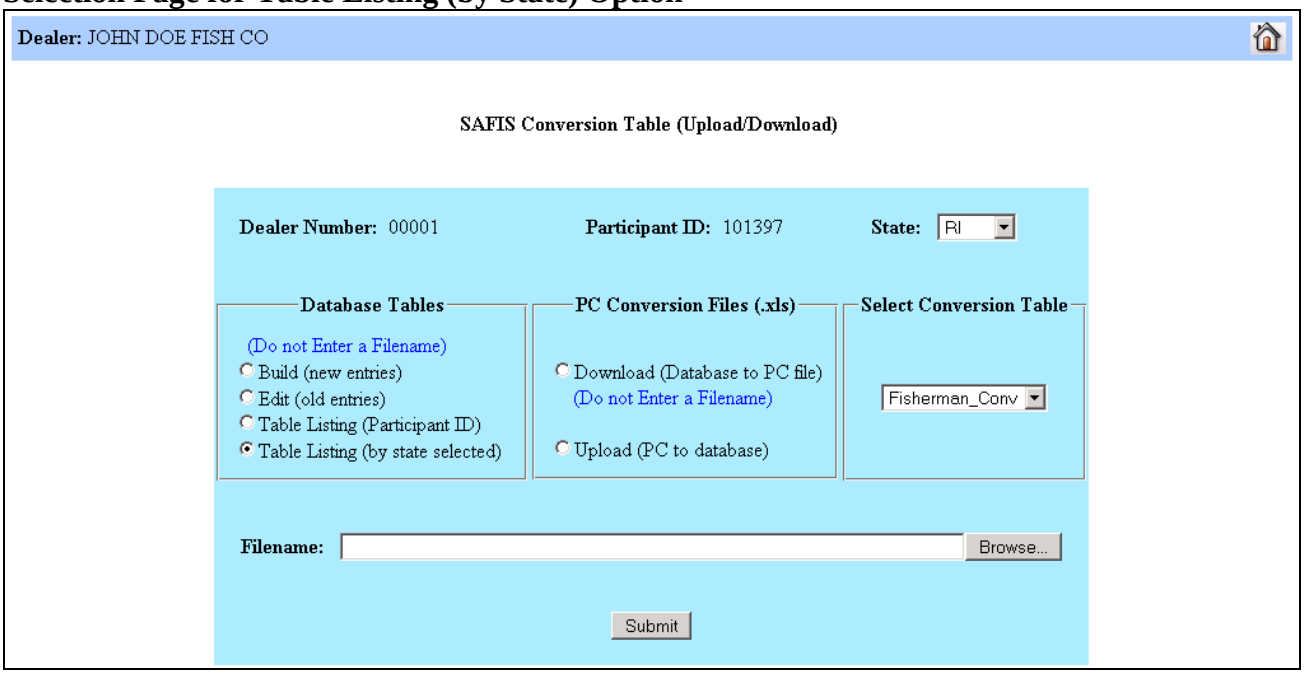


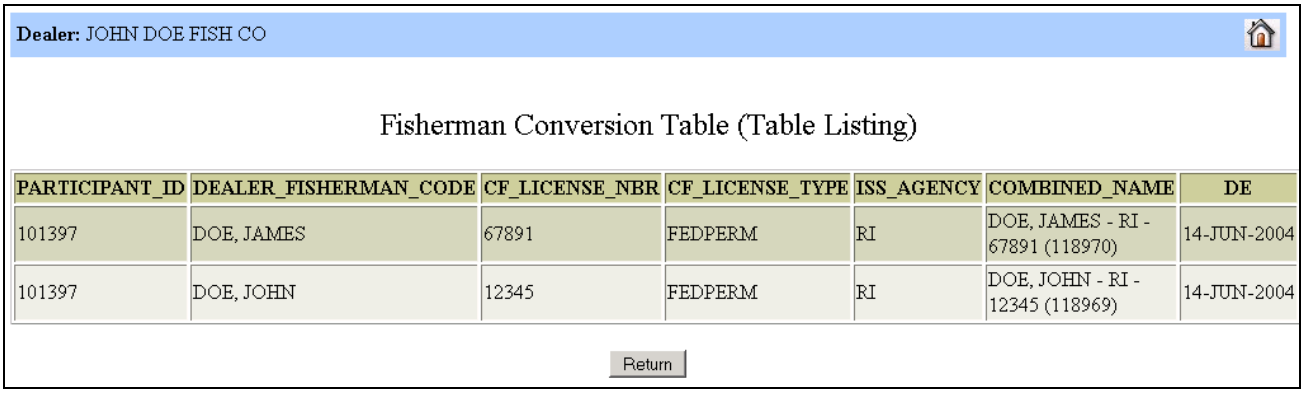
Dealer: JOHN DOE FISH CO

Species List Table (Table Listing)

COMBINED_NAME	SPECIES_ITIS	GRADE_CODE	MARKET_CODE	UNIT	IN_TREE
ALEWIFE - ROUND - UNKNOWN - LB	161706	01	UN	LB	FIN
AMBERJACK - ROUND - UNKNOWN - LB	168688	01	UN	LB	
ANCHOVY,BAY - ROUND - UNKNOWN - LB	161839	01	UN	LB	
ANGLERFISH - BELLY FLAPS - UNKNOWN - LB	164499	08	UN	LB	
ANGLERFISH - CHEEKS - UNKNOWN - LB	164499	07	UN	LB	
ANGLERFISH - GUTTED, HEAD ON - UNKNOWN - LB	164499	23	UN	LB	FIN
ANGLERFISH - LIVERS - UNKNOWN - LB	164499	13	UN	LB	FIN
ANGLERFISH - ROUND - UNKNOWN - LB	164499	01	UN	LB	FIN
ANGLERFISH - TAILS - LARGE - LB	164499	09	LG	LB	FIN
ANGLERFISH - TAILS - PEE WEE (RATS) - LB	164499	09	PW	LB	FIN
ANGLERFISH - TAILS - SMALL - LB	164499	09	SQ	LB	FIN
ANGLERFISH - TAILS - UNKNOWN - LB	164499	09	UN	LB	FIN
BARBIER, RED - ROUND - UNKNOWN - LB	167801	01	UN	LB	
BARRACUDA - ROUND - UNKNOWN - LB	170424	01	UN	LB	
BARRELFISH - ROUND - UNKNOWN - LB	172512	01	UN	LB	
BEARDED BROTULA - ROUND - UNKNOWN - LB	164818	01	UN	LB	

Selection Page for Table Listing (by State) Option





PARTICIPANT_ID	DEALER_FISHERMAN_CODE	CF_LICENSE_NBR	CF_LICENSE_TYPE	ISS_AGENCY	COMBINED_NAME	DE
101397	DOE, JAMES	67891	FEDPERM	RI	DOE, JAMES - RI - 67891 (118970)	14-JUN-2004
101397	DOE, JOHN	12345	FEDPERM	RI	DOE, JOHN - RI - 12345 (118969)	14-JUN-2004

F. 3 PC Conversion Files

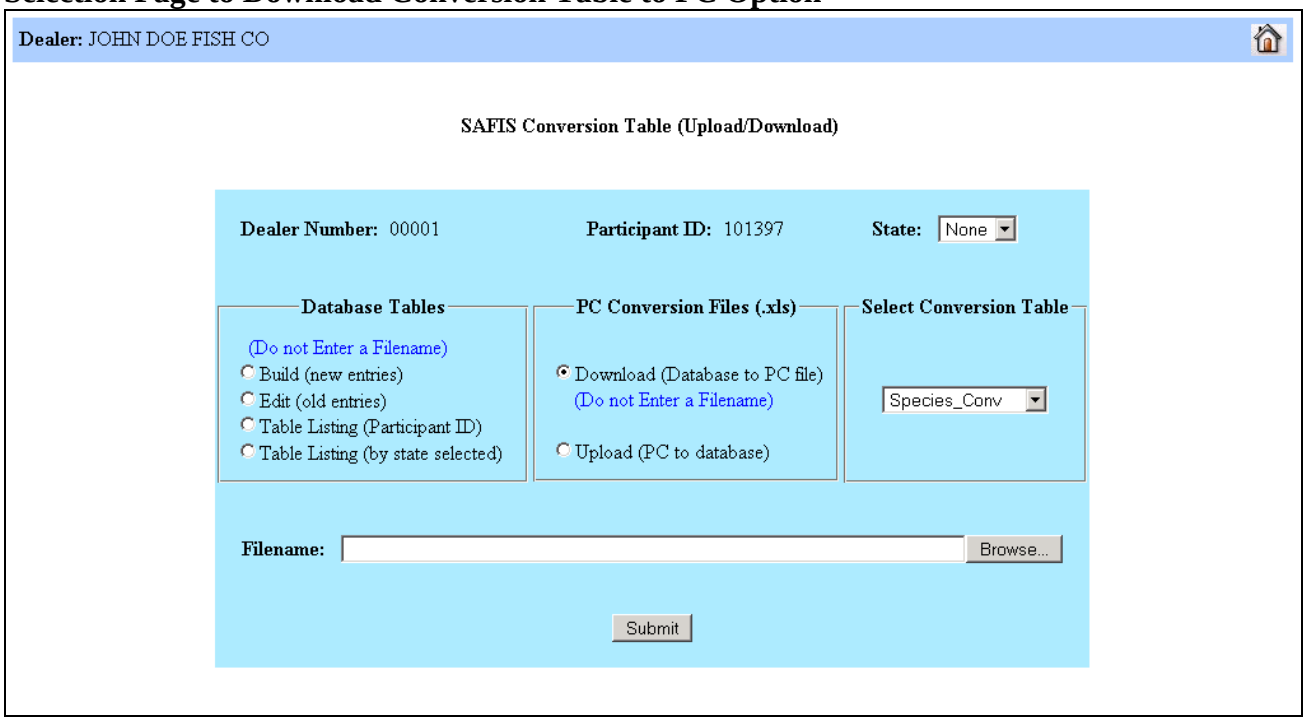
(.xls) (Species Conversion Example)

These options will allow the user to download their codes from the SAFIS database and save them in a Microsoft Excel spreadsheet file on their PC; convert their legacy code files to the SAFIS format; and upload their codes to the SAFIS database tables. **Microsoft Excel is required to use the PC conversion file options.** Otherwise, use the Database Tables options in Section F.2 to review, build and edit your conversion tables. All of your conversion tables are stored in the database tables on the SAFIS network and are linked to your Participant ID.

Download (database to PC file)

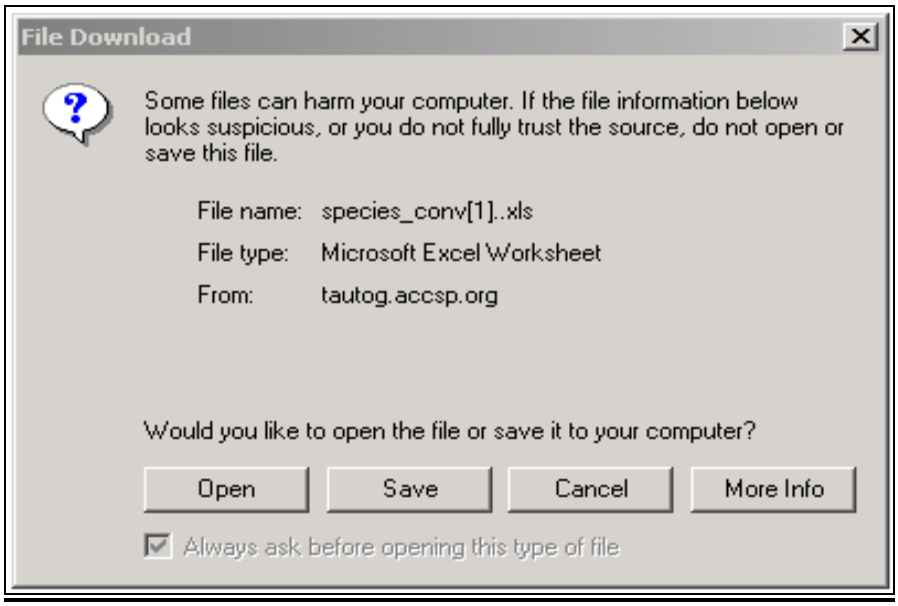
This option is used to download the dealer's SAFIS codes for the conversion table selected. You can use this to update or back up your conversion tables on your PC. Click the radio button next to 'Download (database to PC file)'. Select a conversion table. Do not enter a filename, until prompted to do so.

Selection Page to Download Conversion Table to PC Option



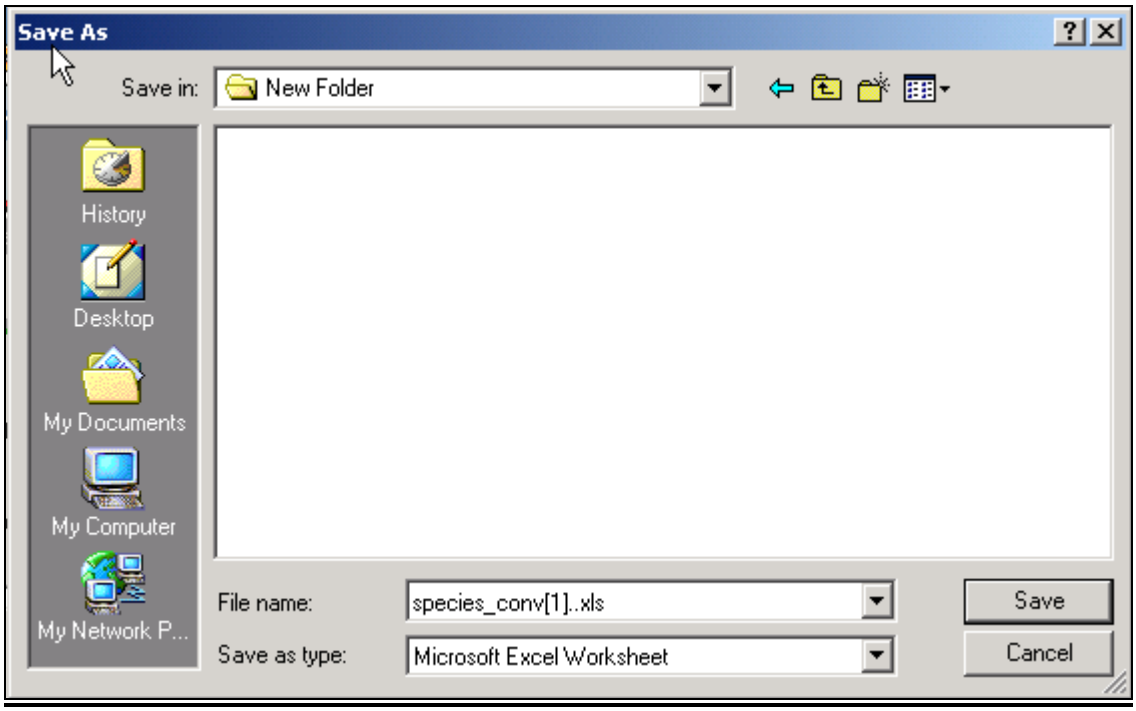
Click 'Submit' and all of the codes for the selected conversion table associated with the Participant ID will be downloaded. The following File Download window will appear. To abandon the conversion process, click on the '**Home**' icon to return to the Main Menu.

File Download Screen for Data Conversion Tables



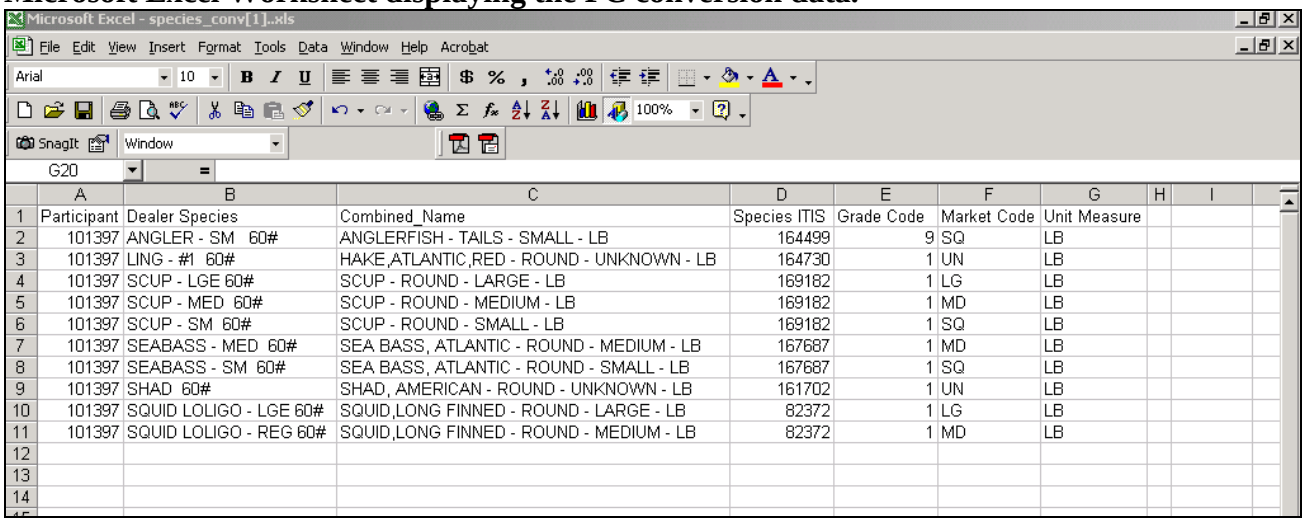
Click on 'Save' to save the file to the filename given in the download screen. A browse window will be displayed to give you the option to choose the directory location for the file. Click 'Save' in the browse window to complete the download.

Browse Window



Click on ‘Open’, if you want to view the file in a Microsoft Excel worksheet before saving it. By opening the file, you can verify that the download worked properly. The download screen will disappear. Save the file in Excel. Exit from Excel to return to the browser window.

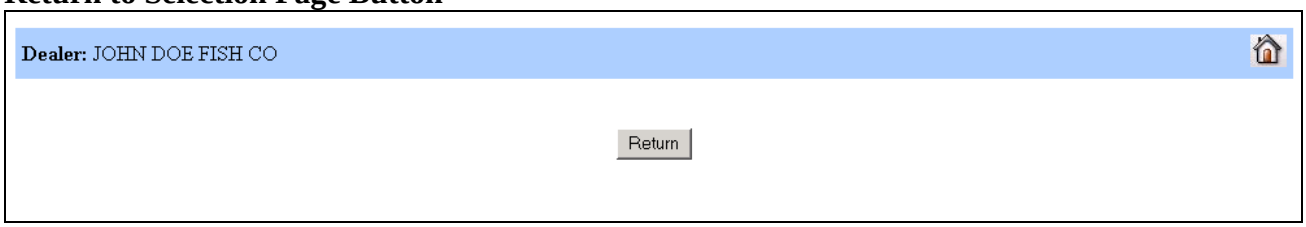
Microsoft Excel Worksheet displaying the PC conversion data.



	A	B	C	D	E	F	G	H	I
1	Participant	Dealer Species	Combined_Name	Species ITIS	Grade Code	Market Code	Unit Measure		
2	101397	ANGLER - SM 60#	ANGLERFISH - TAILS - SMALL - LB	164499	9	SQ	LB		
3	101397	LING - #1 60#	HAKE,ATLANTIC,RED - ROUND - UNKNOWN - LB	164730	1	UN	LB		
4	101397	SCUP - LGE 60#	SCUP - ROUND - LARGE - LB	169182	1	LG	LB		
5	101397	SCUP - MED 60#	SCUP - ROUND - MEDIUM - LB	169182	1	MD	LB		
6	101397	SCUP - SM 60#	SCUP - ROUND - SMALL - LB	169182	1	SQ	LB		
7	101397	SEABASS - MED 60#	SEA BASS, ATLANTIC - ROUND - MEDIUM - LB	167687	1	MD	LB		
8	101397	SEABASS - SM 60#	SEA BASS, ATLANTIC - ROUND - SMALL - LB	167687	1	SQ	LB		
9	101397	SHAD 60#	SHAD, AMERICAN - ROUND - UNKNOWN - LB	161702	1	UN	LB		
10	101397	SQUID LOLIGO - LGE 60#	SQUID,LONG FINNED - ROUND - LARGE - LB	82372	1	LG	LB		
11	101397	SQUID LOLIGO - REG 60#	SQUID,LONG FINNED - ROUND - MEDIUM - LB	82372	1	MD	LB		
12									
13									
14									

Click on the ‘Return’ button to go back to the Option Selection Page.

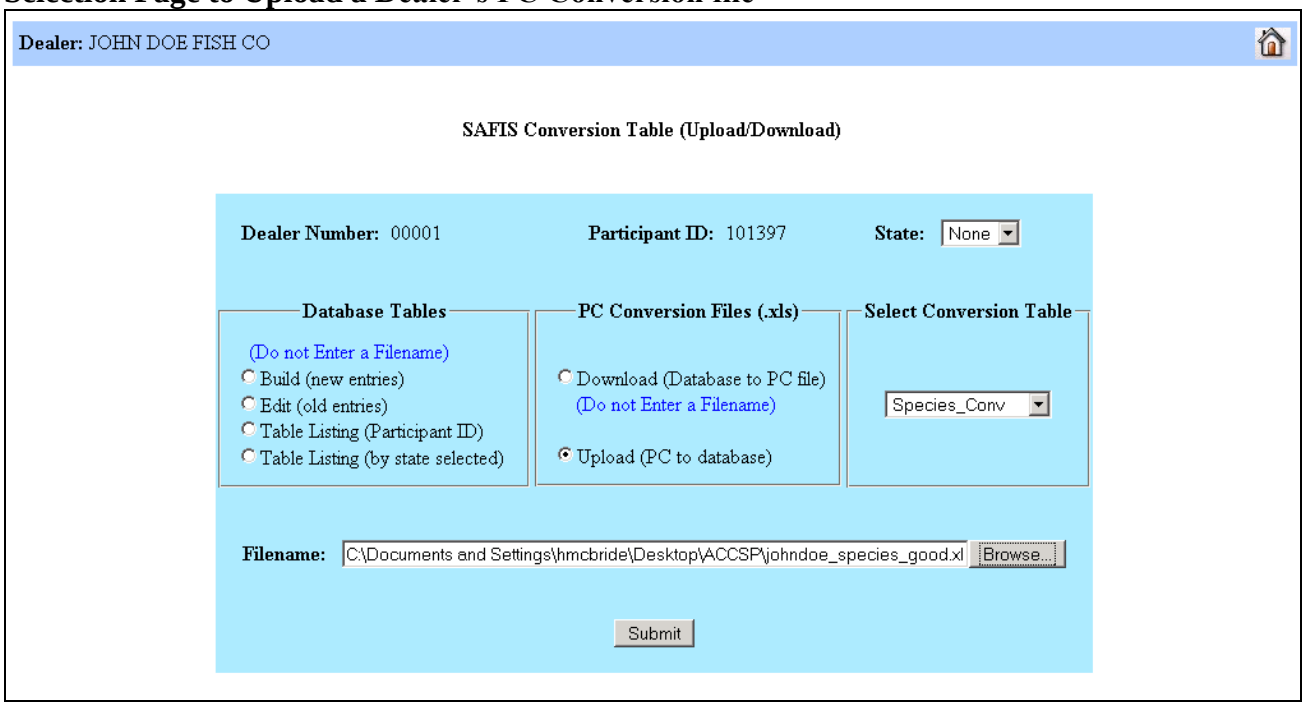
Return to Selection Page Button



Upload (PC to database)

The 'Upload' option is used to upload a dealer's conversion files (.xls) to the SAFIS database tables. Click the radio button next to 'Upload (PC to database)'. Enter filename or browse to select the conversion file.

Selection Page to Upload a Dealer's PC Conversion file



Click on 'Submit' to upload the file. To abandon the process, click on the 'Home' icon, which returns you to the Main Menu.

The PC conversion file is displayed in a spreadsheet format. Each column has a letter label (A, B, C, etc.). The user must use the column labels to indicate the location of the dealer's code and the corresponding SAFIS codes.

Definition of the Dealer's Conversion file

Dealer: JOHN DOE FISH CO

This is a View of the Dealer File (johndoe_species_good.xls). Please Enter The Options below for conversion

	A	B	C	D	E	F	G
1	Product Code	Product description	NMFS Code	ITIS Code	Market	Grade	Unit
2	40101010	Angler (Monk) Whole 4-7# lb	0128	164499	UN	23	LB
3	4010101D	Angler (Monk) Whole 4-7# 100#	0128	164499	UN	23	LB
4	40101020	Angler (Monk) Whole 7#+ lb	0128	164499	UN	23	LB
5	4010102D	Angler (Monk) Whole 7#+ 100#	0128	164499	UN	23	LB
6	4010106F	Angler (Monk) 70# BX@S	0128	164499	UN	23	LB
7	40101110	Angler - SM lb.	0122	164499	SQ	09	LB
8	4010111C	Angler - SM 60#	0122	164499	SQ	09	LB
9	40101120	Angler - LGE lb.	0121	164499	LG	09	LB
10	4010112C	Angler - LGE 60#	0121	164499	LG	09	LB
11	40101800	Monk Livers lb	0123	164499	UN	13	LB

Please Enter All Fields

Please Enter the Column Letter for All Fields

Dealer Code: b

Itis Code: d

Grade Code: f

Market Code: e

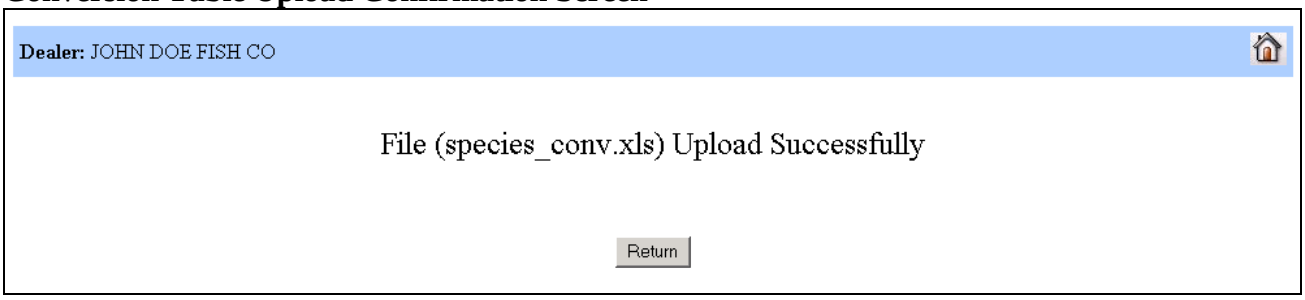
Unit Code: g

Enter Row Number to start: 2

Submit Return

Click on 'Submit' to begin the upload process. To abandon the conversion process, click on the 'Return' button to return to the Conversion Table Selection Page or the '**Home**' icon to return to the Main Menu.

Conversion Table Upload Confirmation Screen

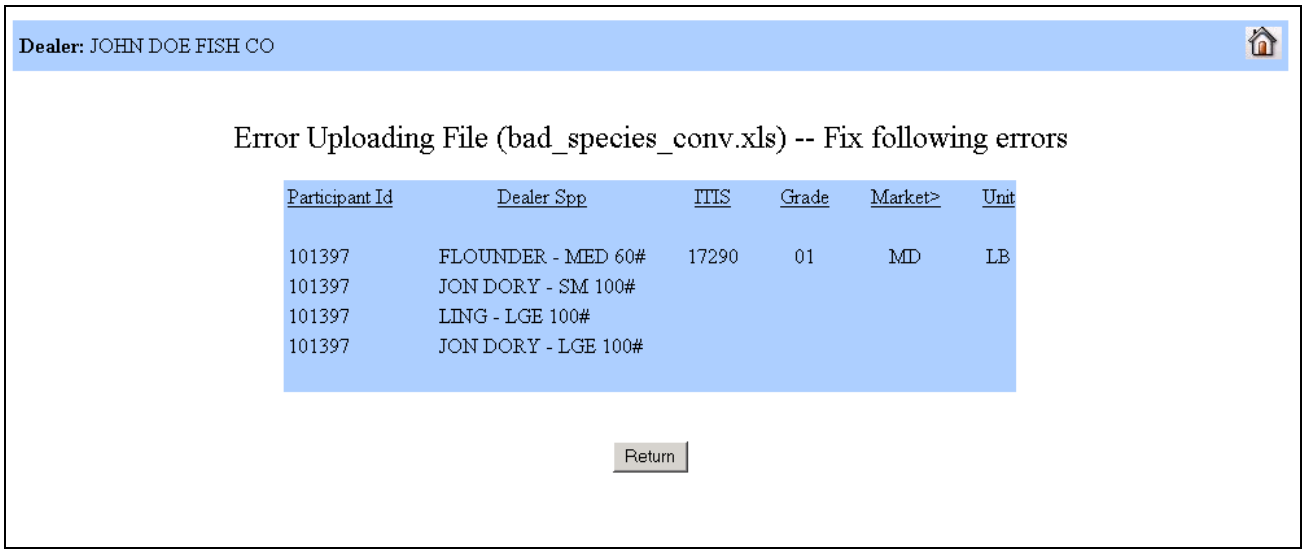


Click on the 'Return' button to return to the Conversion Table Selection Page or the '**Home**' icon to return to the Main Menu.

Conversion Table Errors

If there are codes in the Dealer's conversion table that are not in the SAFIS master database code tables, they will be displayed in an error message screen.

Conversion Table Error Screen



Participant Id	Dealer Spp	ITIS	Grade	Market>	Unit
101397	FLOUNDER - MED 60#	17290	01	MD	LB
101397	JON DORY - SM 100#				
101397	LING - LGE 100#				
101397	JON DORY - LGE 100#				

Click on the 'Return' button to return to the Conversion Table Selection Page or the '**Home**' icon to return to the Main Menu.

Use Table Listing (All) to find the missing codes. Open the original Dealer's Conversion File in Excel and correct the errors. If additional codes need to be added to the SAFIS master database codes tables, notify your local SAFIS support personnel.

G. Multiple Conversion Tables

Under some circumstances several data items could be linked to the same dealer's code, for example the dealer could be using the vendor code to identify both the vessel registration and the fisherman. In some cases it could also be used to identify the port landed or gear. If a vendor lands in two different ports, or uses two different gear types, the dealer could set up two codes for the vendor pointing to the same vessel, but different ports, gears and or fishing licenses. It all depends on the dealer's data.

In the example below, the dealer has a spreadsheet for vendors with columns for the dealer's vendor code, the vendor (vessel/fisherman) name, the vessel registration number, dealer's gear code, SAFIS gear code and the fisherman's state fishing license. The JANEDOE has landings for two types of gear, so there are two codes for the vessel. Each code is linked to the same SAFIS vessel record, but to a different gear type.

A	B	C	D	E	F
Vendor	VendorName	VesReg	Gear	SAFISgear	State CF Lic
JANE01	JANEDOE	MV123	OT	090	12345
JANE02	JANEDOE	MV123	RR	700	12345-RR
DOE02	DOE, JAMES	MV456	OT	090	97891

G.1 Multiple Conversion Tables From One Spreadsheet

If one PC file is being used for multiple conversions, the PC file must be uploaded for each conversion table. This is to identify the data specific to each conversion table. In the example above, the spreadsheet could be used to build three conversion tables, the Vessel, Fisherman, and Gear conversion tables.

The upload for the Vessel conversion table would use the Dealer's Vendor code and the Vessel Registration (columns A and C). The upload for the Fisherman's conversion table would use the Dealer's Vendor code and the State Commercial Fishing License (columns A and F). The upload for the gear conversion table has two possibilities: 1) use the Dealer's Gear code and the SAFIS gear code (columns D and E); or 2) use the Dealer's Vendor code and the SAFIS gear code (columns A and E).

Once the conversion tables were built in the SAFIS system tables, they would be maintained as separate tables.

G.2 Multiple Conversions From One Data Field

If conversion tables were built using the example in Section G.1, the data definition would list the same column in the data file as the dealer's codes for Vessel, Fisherman and Gear. When the 'Dealer Raw Data' is displayed based on the data definition, the data column being used for multiple conversions will be repeated for each conversion. When the data file is successfully confirmed, each column in the 'Data Ready for Upload' display contains the appropriate SAFIS codes.

GLOSSARY OF DATA ELEMENTS

Complete Data	Data is complete if none of the required data is missing.
Converted Data File	Dealer's data file converted to the SAFIS coding system.
Dealer Name	Dealer's corporate name.
Dealer Number	Dealer's Federal permit number issued by NOAA Fisheries, Northeast Regional Office or the State license number.
End Report Date	The ending date of the data in the file to be uploaded.
File Type	An indicator of the type of data to upload; N = New Data; R = Replacement Data.
Filename	Name of the dealer's files for purchases and codes.
Incomplete Data	Data is incomplete if it is missing price, species disposition or VTR serial number. These fields can be added using the 'Replacement' or 'Update' option, depending when the original file was uploaded..
Participant ID	A computer generated unique identifier assigned to each dealer which is used to identify them in the SAFIS database system.
Password	Password assigned to the username. The password is encrypted before it is stored in the table.
Raw Data File	Dealer's data file as it was uploaded.
Site code	The zip code to indicate the location of the dealer.
Start Report Date	The starting date of the data in the file to be uploaded.
Username	The identifier assigned to the person responsible for actually performing the data upload process.

APPENDIX A Minimum Data Required for Proper Operation of the SAFIS File Upload Procedure

The File Upload procedure accepts comma (.csv) or tab (.txt) delimited files. The layout of the file being uploaded must be defined using the Data Definition form. The definition records the data included in the file being uploaded, and the order of that data in the file. Once saved, the definition is available for subsequent file uploads. If Dealer codes are used in the file, conversion tables are necessary to convert dealer codes to SAFIS codes; If SAFIS codes are used, conversion tables are not necessary.

Required Data Fields, and types of acceptable information for each:

- **Ticket Number** (or Reference#, Purchase#, etc.) – whatever the dealer uses to identify purchases from a vessel/fisherman landed on a specific date. The Ticket Number is required to prevent duplicate reports and to process update or replace data.
- **Date Landed** – date the catch was landed; must be a valid date.
- **Port Landed** – where the catch being purchased was landed; can be a port name, dealer's port code, or the SAFIS State + Place + County codes; can be in the data file or assigned as a default if all purchases in the file being uploaded were landed at the same port.
- **Vessel** – which landed the catch being purchased; can be the Federal vessel permit and/or the vessel registration (State or USCG), or the Vessel Name or dealer's vessel code.
- **Fisherman** – who landed the catch being purchased is required for state reports; can be the fisherman's name, dealer's code, or the State Commercial Fishing (CF) License number.
- **Species** – species, grade, market category and unit of fish being purchased; can be dealer's code or description, or the SAFIS Species + Grade + Market + Unit codes.
- **Quantity** – quantity of the species purchased.
- **Price or Dollars** – Unit Price or Dollar Value of the species purchased.
- **Species Disposition** – disposition (utilization) of the species purchased; can be in the data file or assigned as a default if all purchases in the file being uploaded have the same disposition. Disposition Codes: 001=Food; 002=PersonalUse; 003=PutInCar; 004=RemovedForSale; 005=Aquaculture; 006=CannedPetFood; 007=AnimalFood; 008=Bait; 009=Reduction/Meal; 010=Aquarium; 011=Kept/DispositionUnknown; 012=BiomedicalUse; 013=Packing, only; 100=Discard(Dealer/Shipper); 602=Seized by Law Enforcement.
- **VTR Serial Number** –Vessel Trip Report serial number, from the Dealer' copy, is required for Federal mandatory reports.

Federal reporting requirements allow price, disposition, and/or the VTR Serial Number to be added later, if the information is not available when the file is uploaded. These fields are required to complete the report.

Some species may have additional State requirements for Area Fished or Gear.

- **Area Fished** – where the fish were caught; can be dealer's code or SAFIS Area Fished, which is the same as the NMFS Statistical Area code.
- **SAFIS Sub Area** – finer identification particularly of inshore water bodies; **used with** the SAFIS Area Fished code.
- **Gear** – fishing gear used; can be dealer's code or SAFIS Gear code.

Data Types and Maximum Lengths for Fields defined in Upload File:

Column Name	Data Type	Maximum Length
Ticket Number	Text	30
Date Landed	Date	---
Port Landed	Text	40
VTR Serial Number	Text	10
Dealer Vessel Code	Text	40
Dealer Gear Code	Text	40
Dealer Species Code	Text	40
Species Disposition	Text	3
Dealer Fisherman Code	Text	40
Quantity	Number	(10,2)
Price	Number	(9,2)
Dealer Area Code	Text	40
Sequence Number	Text	7
Time Landed	Text	4
SAFIS State Code	Text	2
SAFIS Place Code	Text	5
SAFIS County Code	Text	3
Vessel Registration	Text	15
SAFIS Gear Code	Text	3
SAFIS Species Code	Text	6
SAFIS Grade Code	Text	2
SAFIS Market Code	Text	2
Unit of Measure	Text	2
Dollars	Number	(10,2)
SAFIS Area Fished	Text	3
SAFIS Sub Area	Text	4
Action	Text	1
Partner Id	Text	4

APPENDIX B Major Changes in Versions 2.0 and 2.1 of the SAFIS File Upload Procedure

Enhancements:

- Selection by State for the database options (Build, Edit, List All) for the Vessel, Fisherman, and Area conversion tables. The 'State' selected determines what is displayed for the database options and in the selection lists.

- Gear and Area Conversion Tables have been implemented; State code in the AREAS_FISHED table have been updated to allow selection by State (or 'US' for Federal Areas).

- Conversion Table Selection Page has been streamlined:

  - PC options - just 'Download (Database to PC file)' and 'Upload (PC to Database)'.
  - Database 'Build' option - lists only entries without SAFIS codes, for the 'State' selected.
  - Database 'Edit' option - lists only entries with SAFIS codes, for the 'State' selected.
  - Database 'Table Listing (Participant ID)' option – unchanged.
  - Database 'Table Listing (by State)' option - lists only the SAFIS codes for the 'State' selected.

- Data Definition

  - Data column can be used to create more than one conversion table.
  - Discard disposition code (100) added to species disposition List of Values.
  - Eliminated Federal Vessel Permit as primary vessel identifier; must use either Vessel Registration or dealer's code with a conversion table (the link to the State license could be lost using just the Federal permit).
  - If one SAFIS species code (Species Itis, Grade, Market, Unit) is defined, they all must be defined.
  - If one SAFIS location code (SAFIS State, Place, County) is defined, they all must be defined.

- Upload Data Process

  - Added internal system identification codes to uploaded data table.
  - Added checks on text field integrity, i.e. added double quotes to text fields that contain commas or single quotes; check field lengths.
  - Added 'Update' file type option for update/replacement of data submitted on a prior day.
  - Checks for existing records added, based on file type (New/Replacement/Update).
  - Allow file updates within 3 days; only selected fields after 3 days.
  - VTR Serial Numbers with a zero value are set to null (7/26/2004).
  - Zero allowed in Quantity, Price, or Dollars.
  - Date Entered, Date Changed (DE, DC) are set from the data file (not submission date).