ATTACHMENT 1 of Request For Proposals

Division of Motor Vehicles

CVIEW Transponder System

Requirements Definition Document

For the Internet

ATTACHMENT 1 of Request For Proposals

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I. Introduction

Background

The CVIEW Transponder System will be done in support of the CVIEW System. Transponders are required by vehicles in order to provide electronic screening of vehicles. Transponders must be purchased, and transponder identification numbers must be entered into the system, which will be tied to a vehicle identification number (VIN).

North Carolina Functions:

1. Ability to enter vehicle information.

2. Ability to enter transponder information.

I.I Scope of this Document

This document is one of the deliverables from the Requirement Definition Phase of the CVIEW project. This should refer to the 'Requirements Definition Document' listed under the deliverables in the Statement of Work.

The scope of this document is to list all the requirements identified during this phase of the project. The requirements listed in this document will supply the framework for the development and implementation of CVIEW – Transponder Administration. This document should not be construed as the Functional Specification for the new system.

Once this document is signed off, any changes to the requirements must be handled through the **change management process** defined for CVISN development. Change management should be explained in the original Statement of Work.

I.II Contents of this Document

This document lists all the screen shots of all the Internet screens. Under every screen shot, the requirements are listed which corresponds to the particular screen. The requirements are sub divided into the screen requirements and the navigational requirements. Though the navigational requirements do not directly tie into the user requirements it is helpful to frame the router rows.

I.III Cross reference to other documents

This document should be one of the deliverables listed in the Statement of Work for the Requirements Definition Phase of the CVIEW project. This is to be referred in conjunction with the issue log, which would eventually turn into the addendum after the requirements definition document is agreed upon. The addendum would serve as the placeholder for change requests. This document should also feed the specification and the implementation document.

II. CVIEW Transponder Administration – User Requirements

The User Requirements listed are for the purpose of the following:

Transponder Functions: This group contains the requirements pertaining to the functions supporting the transactions coming from the Transponder Agents such as entering the Transponder ID numbers, Transponder Types, etc.

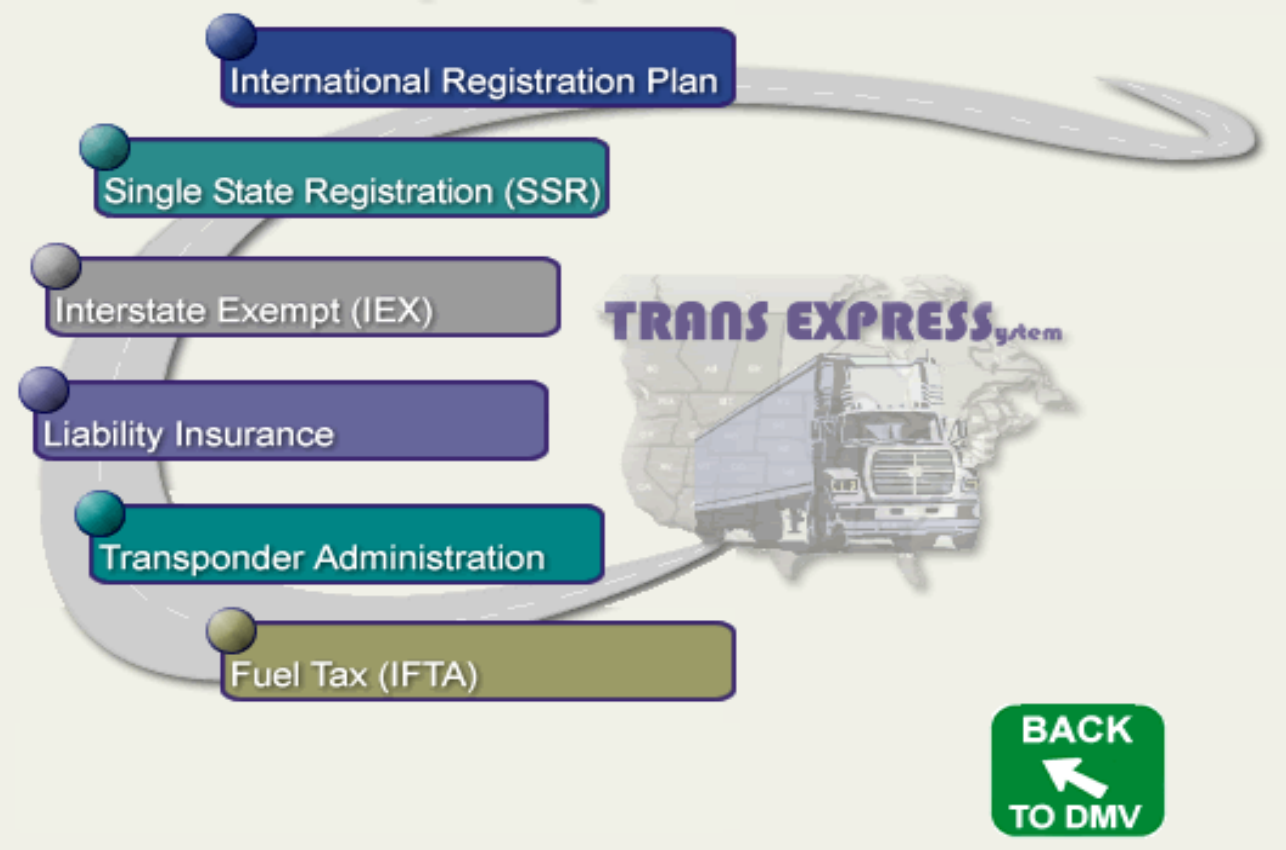
1. DMV Portal page

A customer accesses the **DMV Portal** page at the specified URL.

Clicking the link "**Trans*Express***" on this page takes the customer to the "**Trans*Express"*** page

2. Trans*Express* Portal page

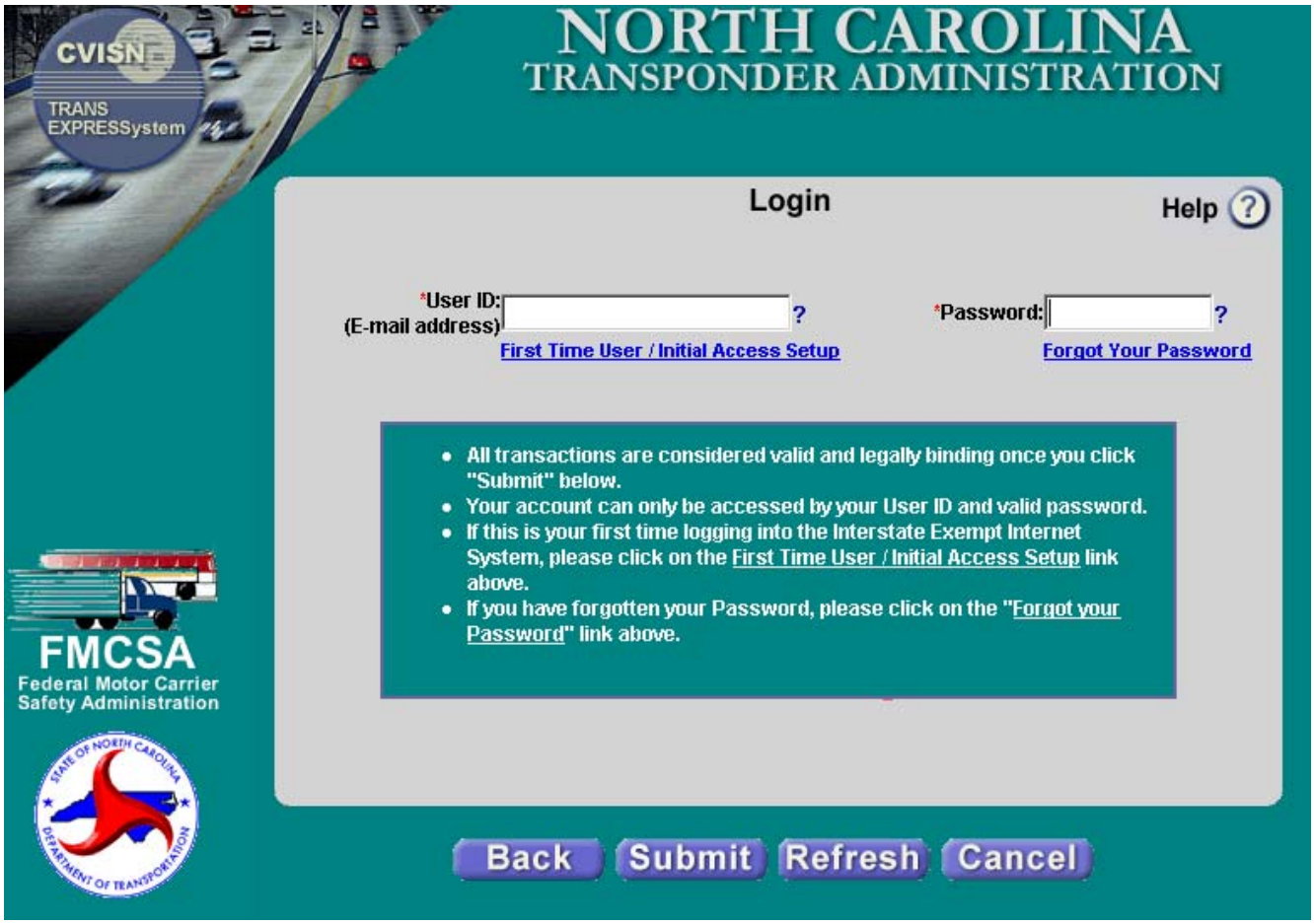
A customer accesses the **Trans*Express* Portal** page at the specified URL.



Clicking the link **"Transponder Administration"** on this page takes the user to the **Transponder Administration** page

3. Login page

A customer accesses the **DMV Portal** page at the specified URL.



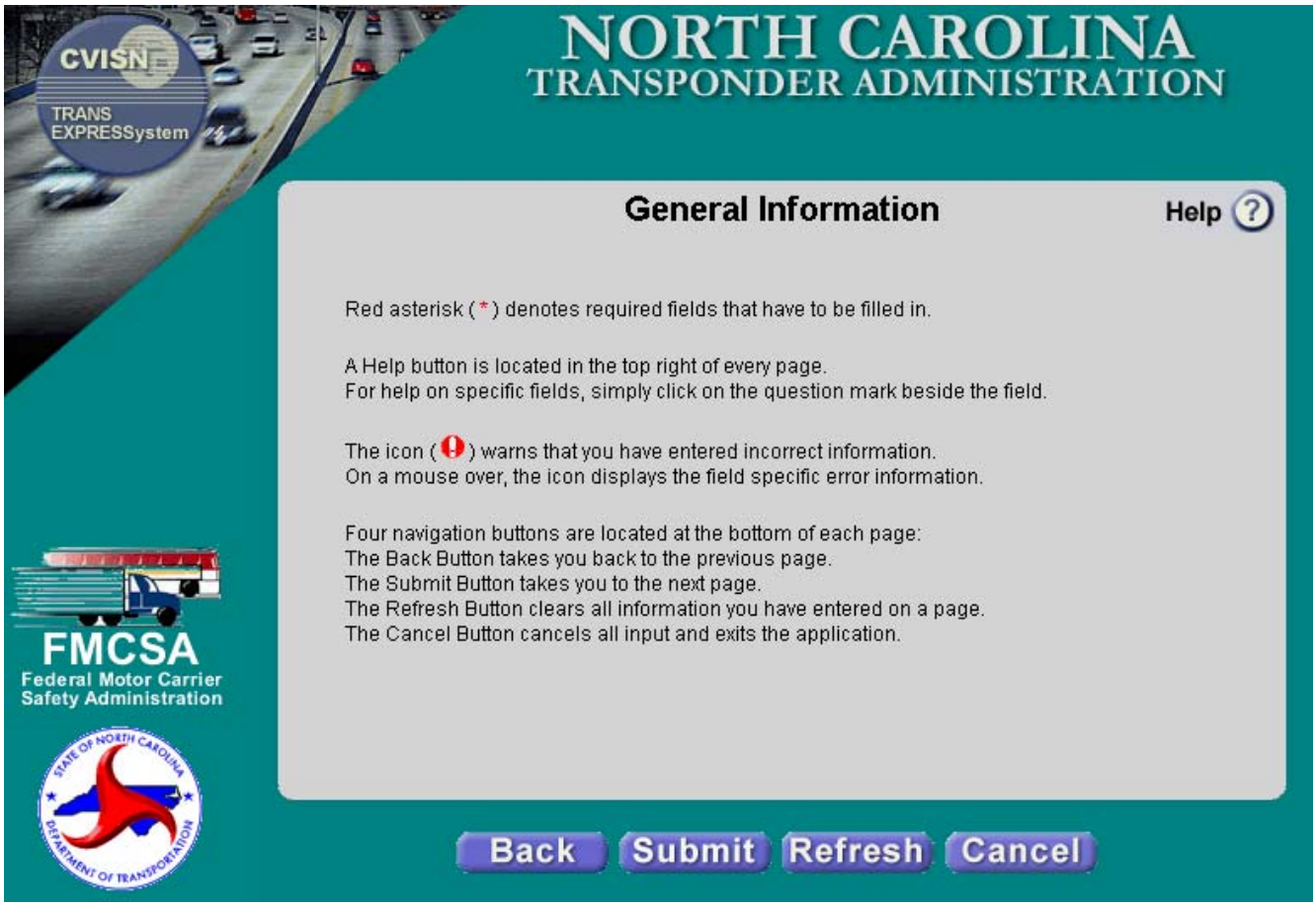
- Text Box for the User ID
- Text Box for the Password

This page should have the following button logic, for Router navigation:

1. **Back** - Moves back to the Previous Page.
2. **Submit** – Validates the user and moves forward to the General Information Page.
3. **Refresh** – Redisplays the same page wiping out all entered fields.
4. **Cancel** – Moves to cancel confirmation page.

4. General Information page

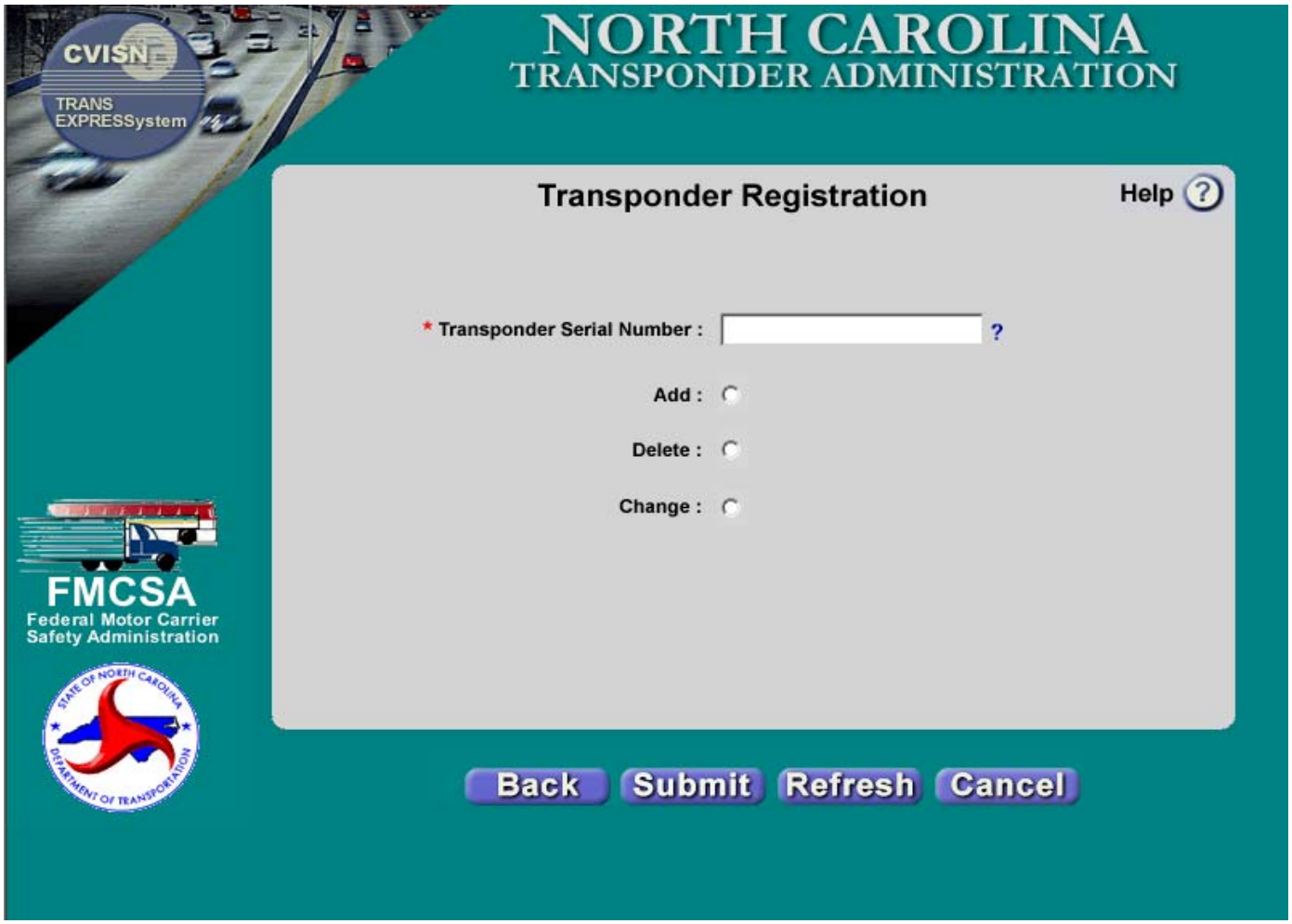
A General Information Page is available for user information.



This page should have the following button logic, for Router navigation:

1. **Back** - Moves back to the Previous Page.
2. **Submit** – Moves forward to the Main Transponder Registration Page.
3. **Refresh** – Redisplays the same page wiping out all entered fields.
4. **Cancel** – Moves to cancel confirmation page.

5. Transponder Add/Modify/Delete Selection Page



The user needs to enter Transponder Serial Number and select a Transaction Type of Add, Change or Delete.

This page should have the following button logic, for Router navigation:

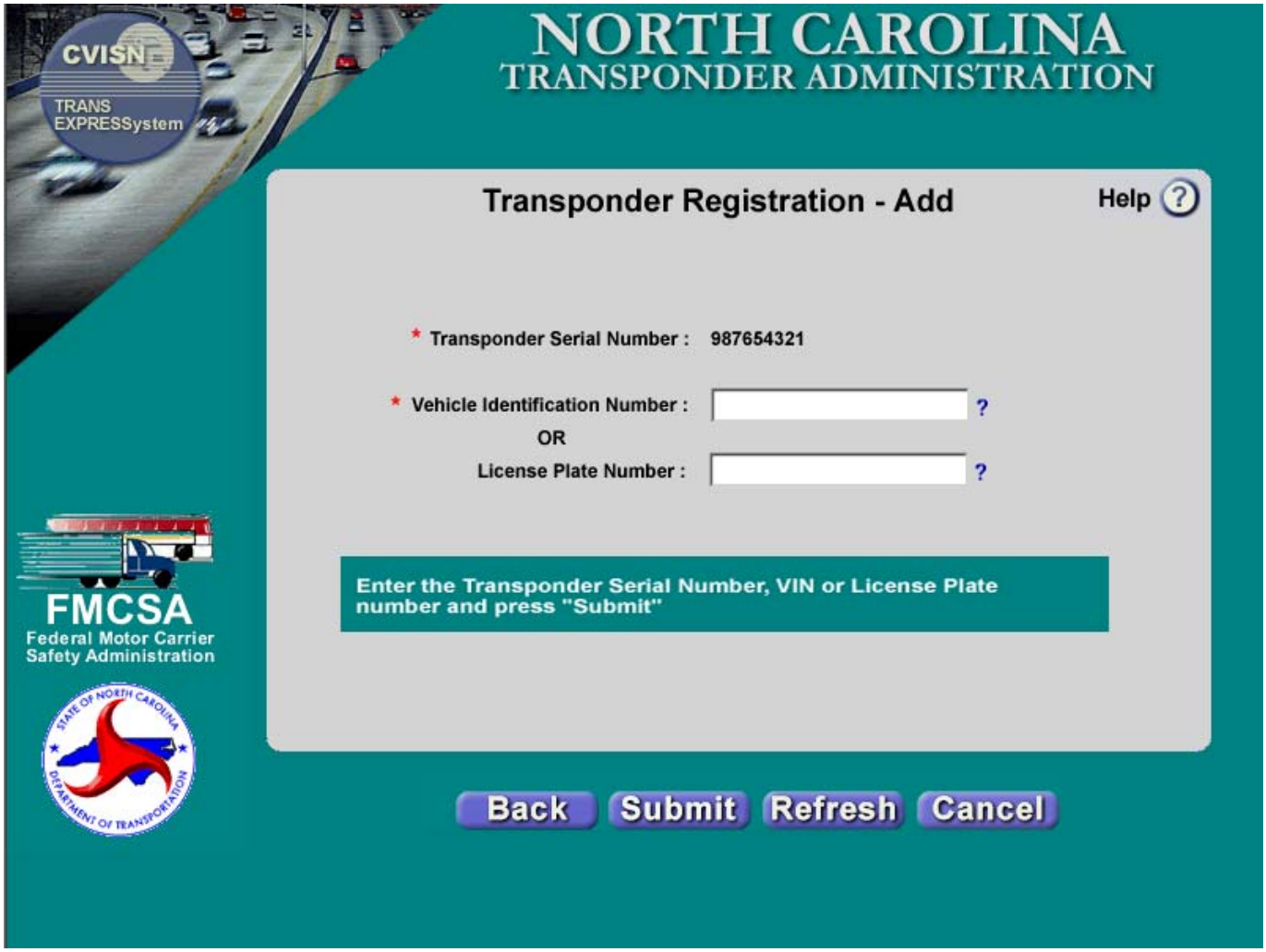
1. **Back** - Moves back to the Trans Express page.
2. **Submit** – Use the Transponder Number entered to determine the next step

- If the Transponder ID is found, and the user chose Add, an error message should occur.
- If the Transponder ID is NOT found, and the user chose Delete, an error message should occur.

- If the Transponder ID is NOT found, and the user chose Change, an error message should occur.

3. **Refresh** – Reset entry fields.
4. **Cancel** – Exit System

6. Transponder Identification Entry Page - Add



The user needs to enter the Vehicle Identification Number (VIN) **OR** the license plate to associate this Transponder ID with.

This page should have the following button logic, for Router navigation:

1. **Back** - Moves back to the transaction Selection Page.
2. **Submit** – Proceed to the next screen unless:

- If this combination is found and we are trying to Add, show error Page

1. **Refresh** – Reset entry fields.
2. **Cancel** – Exit System

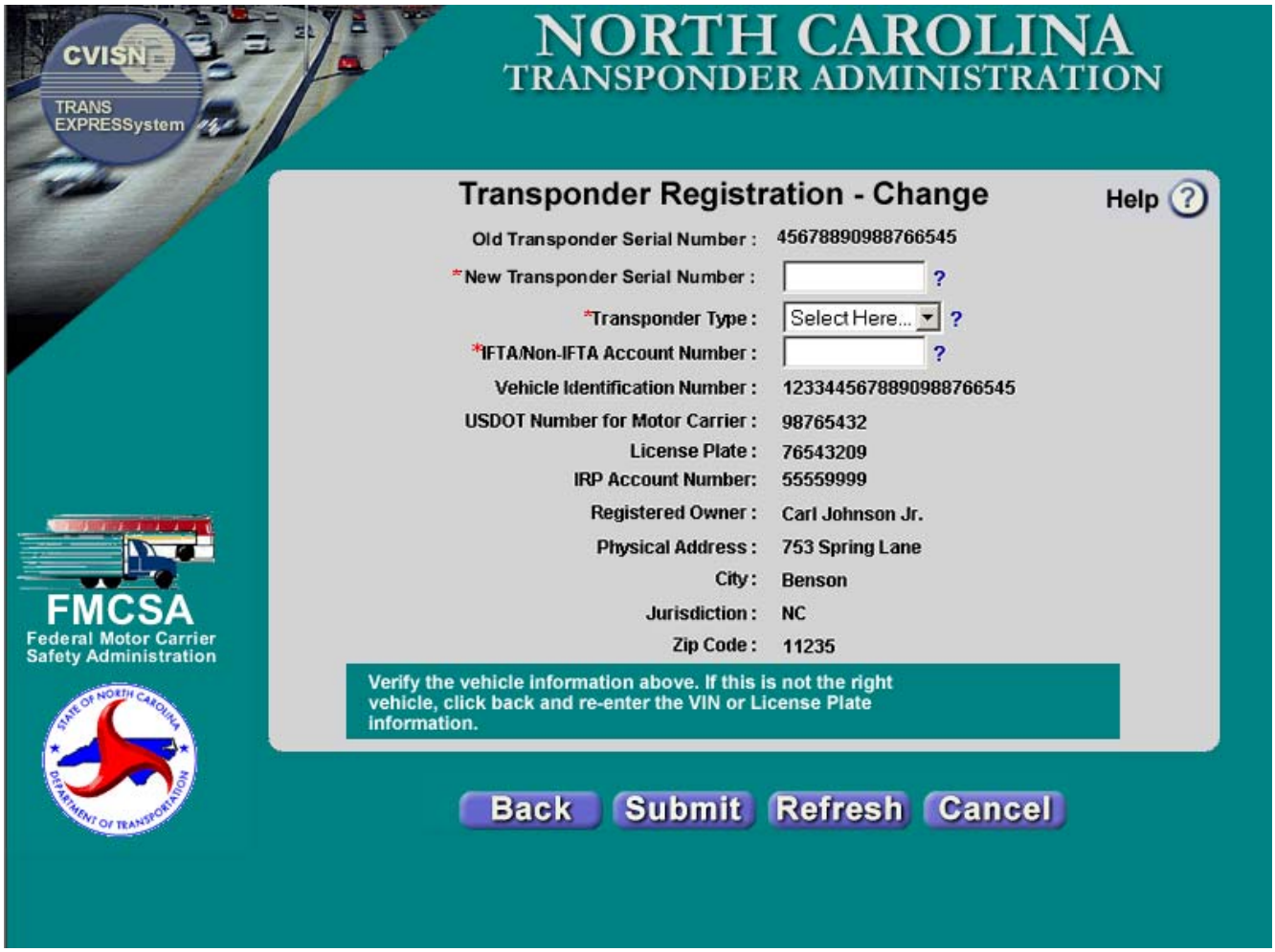
7. Transponder Identification ADD Page

Page Requirement:
A text field for Transponder Identification Number. (Grayed out)
A dropdown List Box for Transponder Type.
A text field for the IFTA/NON IFTA Account Number.

This page should have the following button logic, for Router navigation:

5. **Back** - Moves back to the Previous Page.
6. **Submit** – Moves forward to the Confirmation Page.
7. **Refresh** – Redisplays the same page wiping out all entered fields.
8. **Cancel** – Moves to cancel confirmation page.

8. Transponder Identification Change Page



Page Requirement:

1. ***A text field for Transponder Identification Number.***
2. ***A dropdown List Box for Transponder Type.***
3. ***A text field for the IFTA/NON IFTA Account Number.***

This page should have the following button logic, for Router navigation:

1. **Back** - Moves back to the Previous Page.
2. **Submit** – Moves forward to the Confirmation Page.
3. **Refresh** – Redisplays the same page wiping out all entered fields.
4. **Cancel** – Moves to cancel confirmation page.

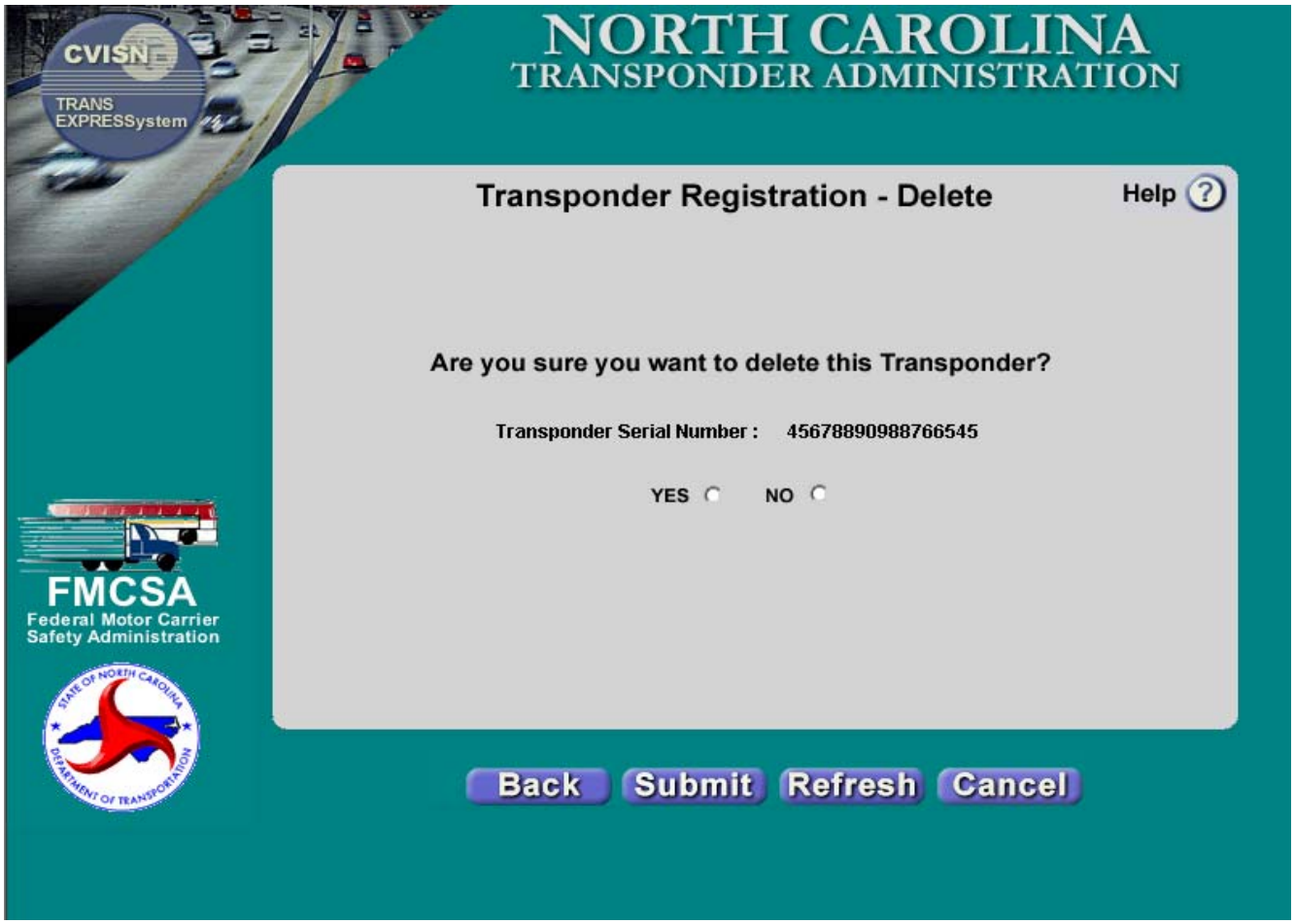
9. Vehicle Confirmation Delete Page

Page Requirement:
This page should show all of the information previously entered.

This page should have the following button logic, for Router navigation:

1. **Back** - Moves back to the previous page.
2. **Submit** – This will submit the data to the database.
3. **Refresh** – Redisplays the same page wiping out all entered fields.
4. **Cancel** – Moves to cancel confirmation page.

10. Vehicle Confirmation Delete Page



Page Requirement:
This page should show all of the information previously entered.

This page should have the following button logic, for Router navigation:

1. **Back -** Moves back to the previous page.
2. **Submit** – This will submit the data to the database. Delete the record.
3. **Refresh** – Redisplays the same page wiping out all entered fields.
4. **Cancel** – Moves to cancel confirmation page.

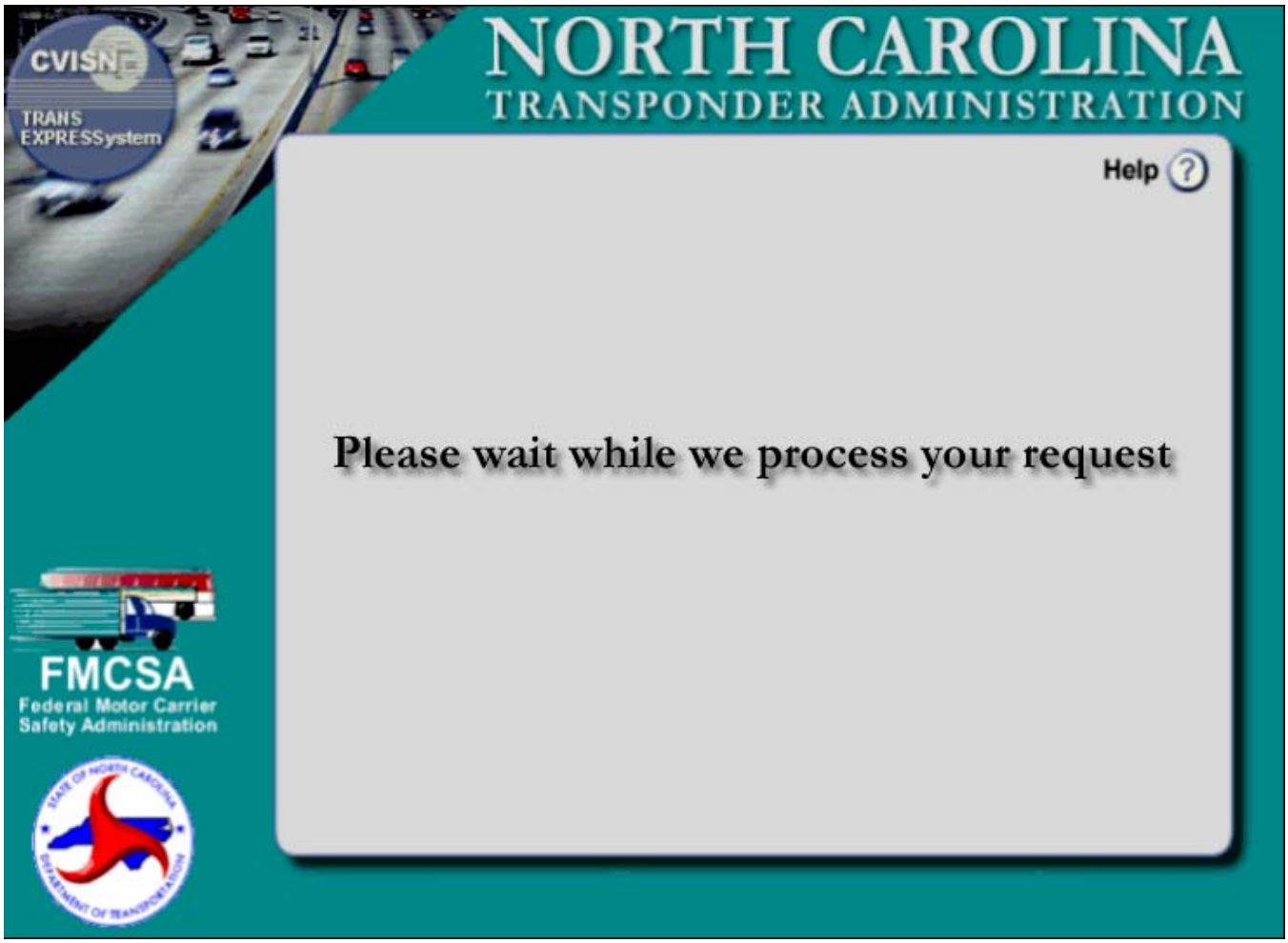
11. Vehicle Confirmation Page

Page Requirement:
This page should show all of the information previously entered.

This page should have the following button logic, for Router navigation:

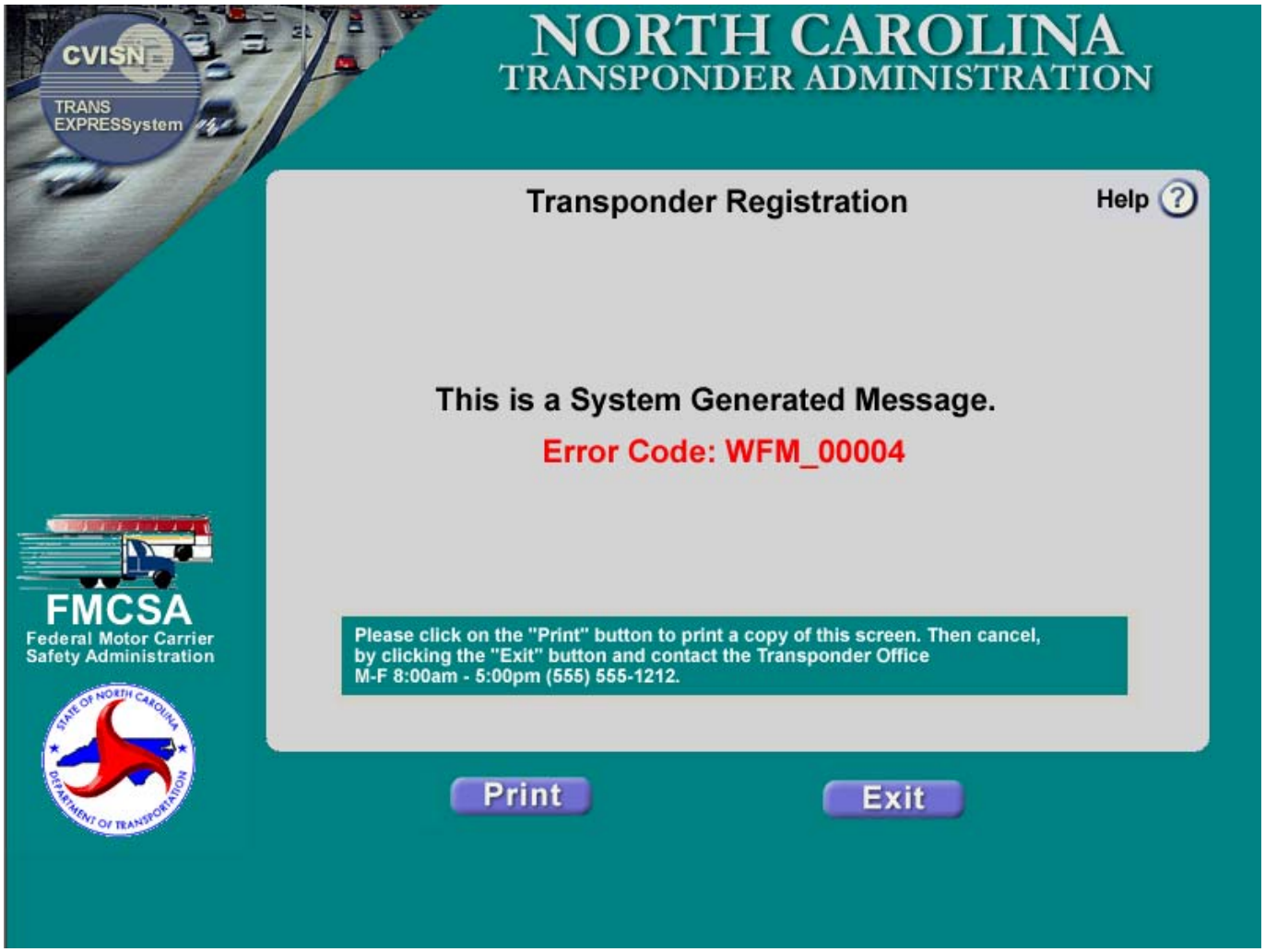
1. **Back -** Moves back to the previous page.
2. **Refresh** – Redisplays the same page wiping out all entered fields.
3. **Submit** – This will submit the data to the database with update or Add.
4. **Print Screen** – Print this screen
5. **Cancel** – Moves to cancel confirmation page.

12. Transponder Processed Page



Page Requirement:
Text to inform user that the Transponder data is processing.

13. Transponder Supporting Pages – Error Screen

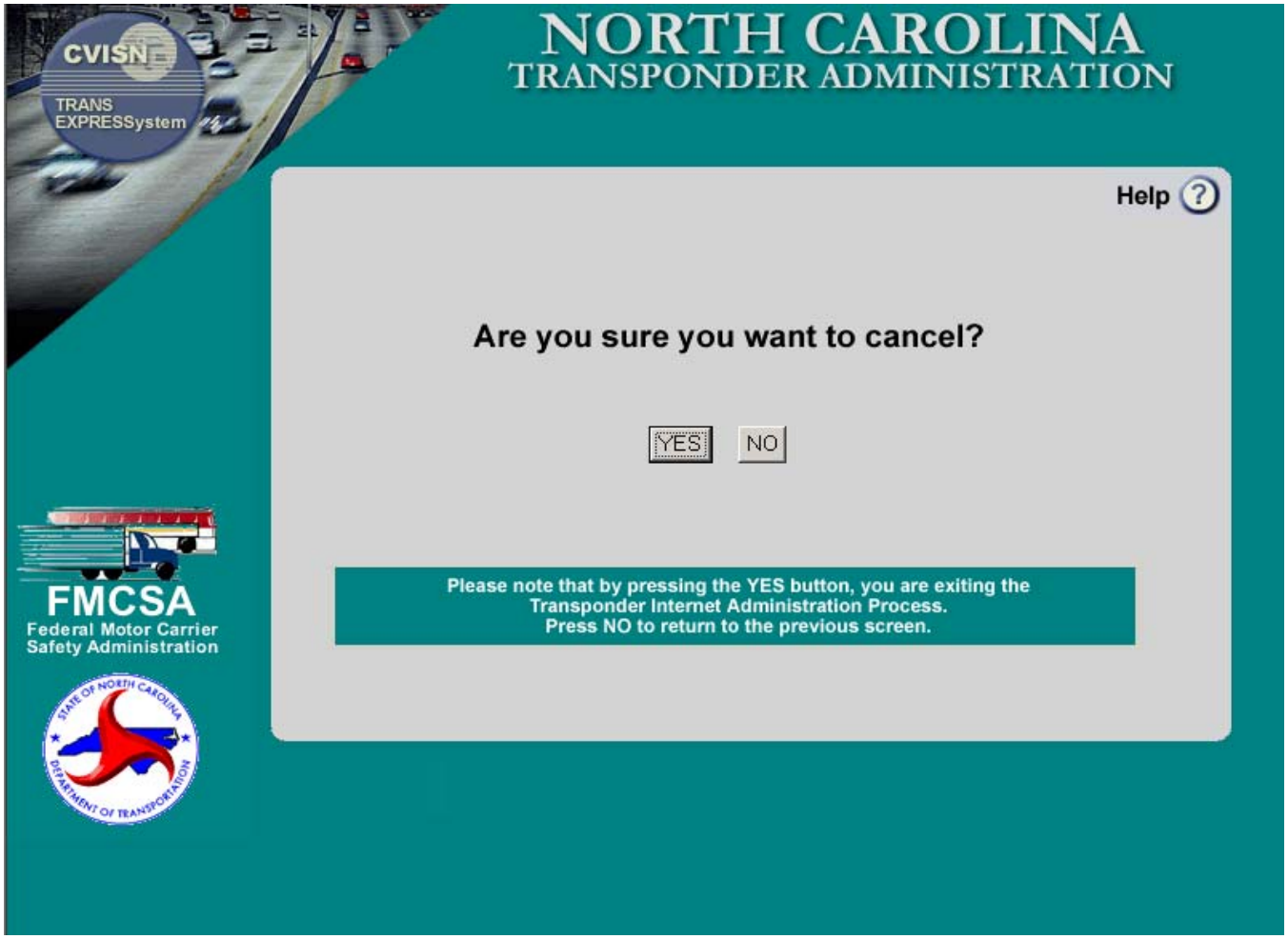


Page Requirement:
Show System generated Error Messages

This page should have the following button logic, for Router navigation:

1. **Print** – Allows the user to print this screen
2. **Exit** – Exit the system.

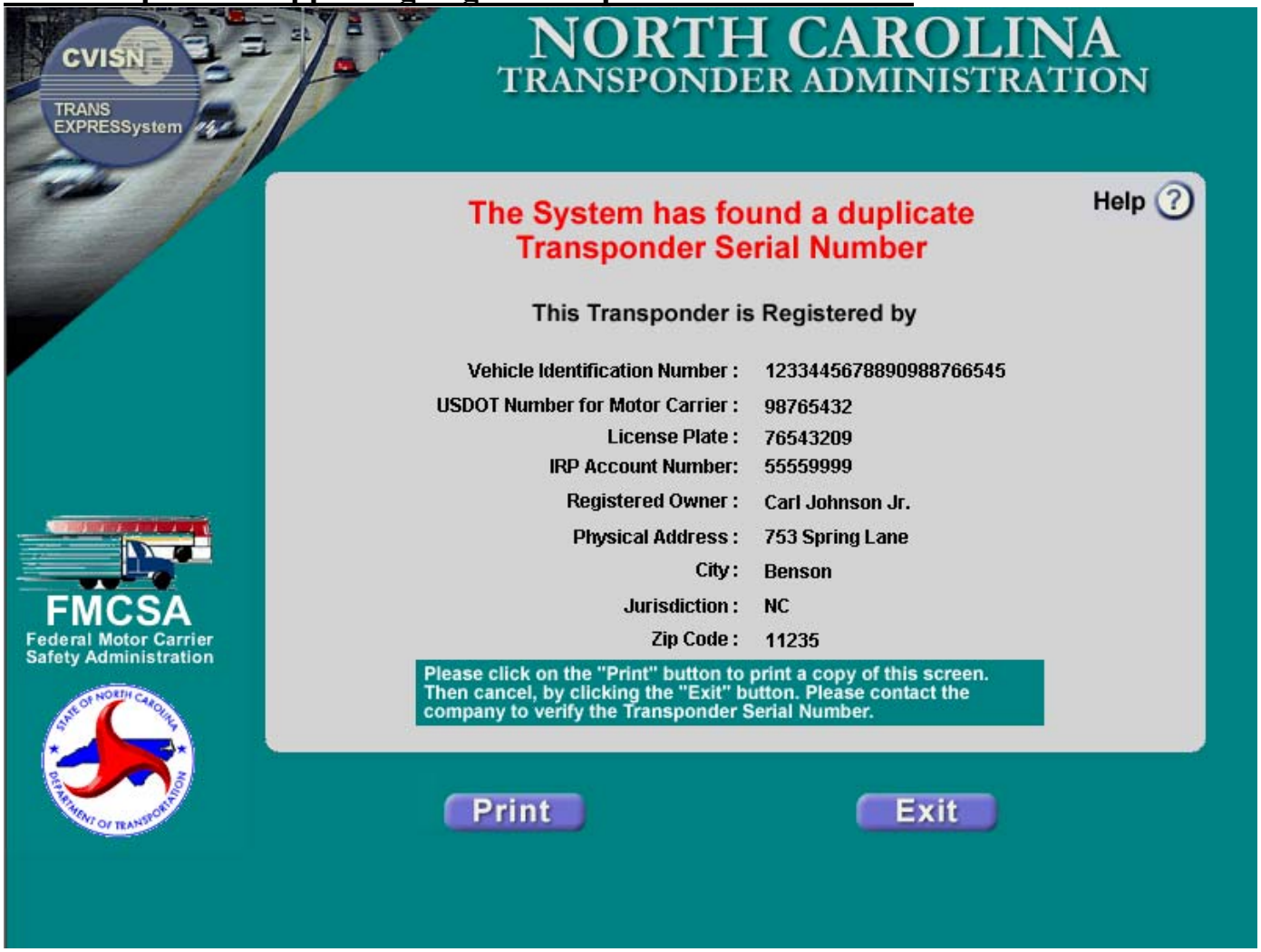
14. Transponder Supporting Pages – Cancel Screen



Page Requirement:

1. *Prompt for "Cancel verification"*
2. *"**Yes**" Button to confirm Cancel*
3. *"**No**" Button to return to screen*

15. Transponder Supporting Pages – "Duplicate Error" Screen

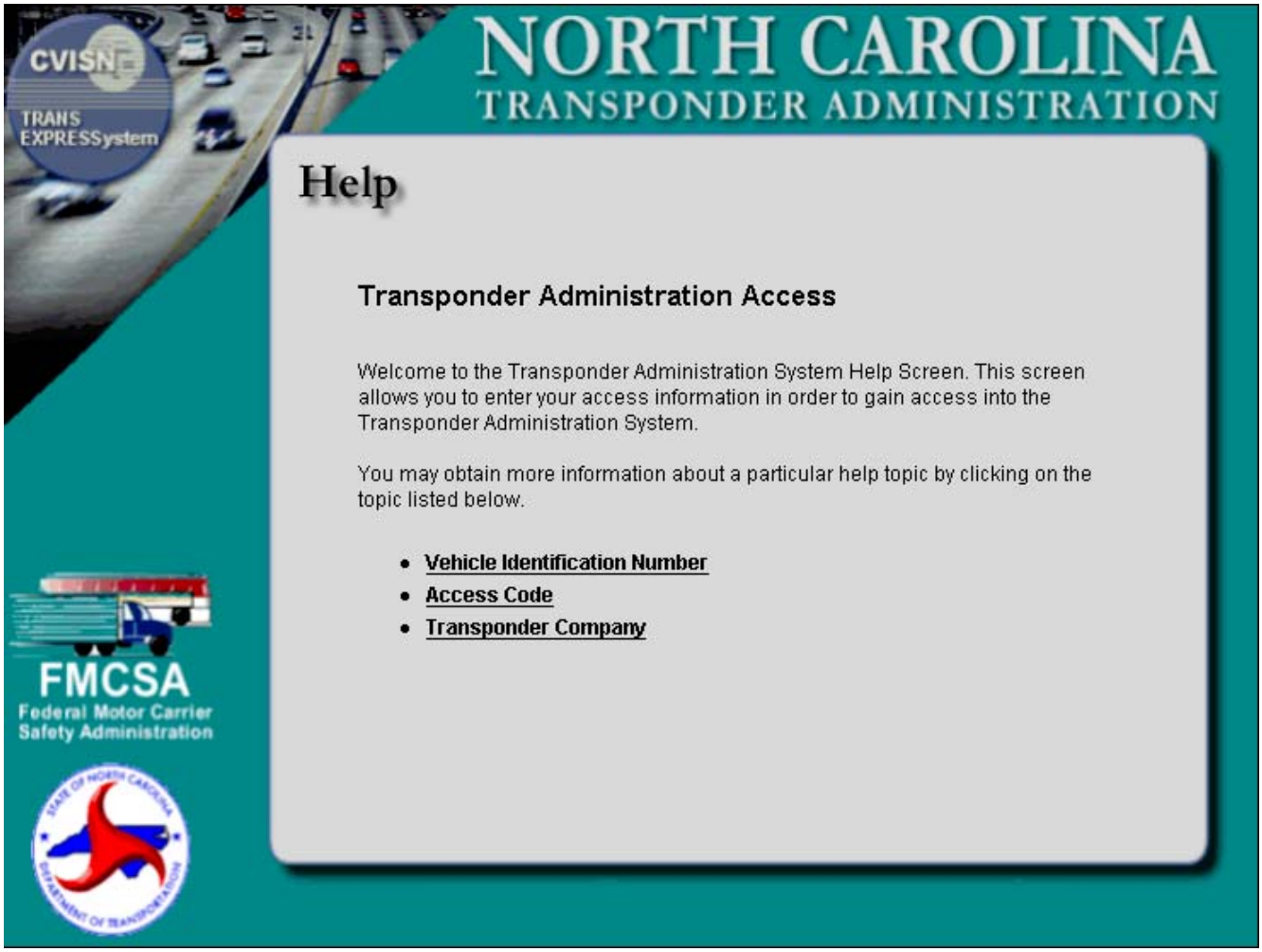


Page Requirement:
Show System generated "The System has found a duplicate Transponder Serial Number" message.

This page should have the following button logic, for Router navigation:

1. **Print** – Allows the user to print this screen
2. **Exit** – Exit the system.

16. Transponder Supporting Pages – Help Screen



Page Requirement:
Text relating to Help for the Transponder Administration Screen