

NERC

NORTH AMERICAN ELECTRIC
RELIABILITY CORPORATION

Order No. 754

Data Request Portal

Scott Barfield-McGinnis, Standards Developer
Portal Application Training
August 29, 2013

RELIABILITY | ACCOUNTABILITY



- Administrative
- NERC Antitrust Guidelines & Disclaimer
- Navigation to Order No. 754 Portal
- Registration (Everyone)
 - New and Existing NERC Users
- Data Entry
- Closing Information
- Q & A Session

- Presentation materials
 - Wording in this presentation is used for presentation purposes and may not reflect minor changes made to the production portal application
 - Presentation is intended to inform those Transmission Planners that are submitting data for the Order No. 754 Data Request on the functionality of the data portal
- Informal Question and Answer (Q & A) at the end
 - Q & A session will only address portal questions

- It is NERC's policy and practice to obey the antitrust laws and to avoid all conduct that unreasonably restrains competition. This policy requires the avoidance of any conduct that violates, or that might appear to violate, the antitrust laws. Among other things, the antitrust laws forbid any agreement between or among competitors regarding prices, availability of service, product design, terms of sale, division of markets, allocation of customers or any other activity that unreasonably restrains competition. It is the responsibility of every NERC participant and employee who may in any way affect NERC's compliance with the antitrust laws to carry out this commitment.

- Participants are reminded that this meeting is public. Notice of the meeting was posted on the NERC website and widely distributed. The notice included the number for dial-in participation. Participants should keep in mind that the audience may include members of the press and representatives of various governmental authorities, in addition to the expected participation by industry stakeholders.



Navigation to Order No. 754 Portal

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About NERC

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Program Areas & Departments

Filings & Orders

► **Standards**

Critical Infrastructure
Reliability Assessment & Performance Analysis
Reliability Risk Management
Compliance & Enforcement
Training & Operator Certification

The North American Power System is a complex and interconnected system that ensures the reliability of the electric grid. NERC is the primary authority for the reliability of the electric system in the United States and Canada. NERC's mission is to ensure the reliability of the electric system by setting and enforcing reliability standards, monitoring the system's performance, and providing technical assistance to the industry. NERC's jurisdiction extends to the United States and parts of Canada. Entities under NERC's jurisdiction include utilities, generators, and other entities that are part of the electric system. NERC's jurisdiction covers more than 334 million people.

Navigate to the www.nerc.com website and select **Standards** from Program Areas & Departments

Headlines & News

- **NERC Board Approves 2014 Budget, ESCC Charter and Adopts 3 Reliability Standards**
August 16, 2013
- **NERC, NATF Sign Memorandum of Understanding to Improve Cooperation, Coordination of Reliability Activities**
July 10, 2013
- **Statement on the 2003 Blackout 10th Anniversary**
August 14, 2013
- **NERC Identifies Key Initiatives, Priorities for Bulk Power System Reliability at FERC Technical Conference**
July 09, 2013
- **NERC Pleased with Senators Efforts on Cybersecurity Act of 2013**
July 30, 2013
- **Make Plans to Attend NERC's Third Annual Grid Security Conference**
July 01, 2013

Reliability Standards

- US Enforcement Dates
- Complete Set of Reliability Standards
- Glossary of Terms Used in Reliability Standards
- Functional Model
- VRF Matrix
- VSL Matrix

Reliability Standards Development

- Reliability Standards Development Plan
- Project Tracking Spreadsheet
- Projected Posting Schedule
- Standard and Project Cross Reference
- Standard Drafting Team Rosters
- Standard Drafting Team Vacancies
- Regional Standards Development

Balloting

Committees

Program Areas & Departments > Standards

Standards

NERC Reliability Standards are developed through an ANSI-accredited process that ensures that persons who are directly and materially affected by the North American Bulk-Power System demonstrate the consensus for each standard, considers the interests of all stakeholders; provides an opportunity for comment; and enables standards to be developed in a timely manner. NERC's ANSI-accredited process is defined in the Standard Process and Reliability and market interface principles.

NERC Reliability Standards define the requirements for planning and operating the North American Bulk-Power System. They are developed using a results-based approach that focuses on performance, risk management, and operational reliability. The Reliability Functional Model defines the standards to be performed to ensure the Bulk Electric System's reliability.

Once in Standards select **Reliability Standards Development** from the left navigation pane

Reliability Standards

- [US Enforcement Dates](#)
- [Complete Set of Reliability Standards](#)
- [Glossary of Terms Used in Reliability Standards](#)
- [Functional Model](#)
- [VRF Matrix](#)
- [VSL Matrix](#)

Reliability Standards Development

- [Reliability Standards Development Plan](#)
- [Project Tracking Spreadsheet](#)
- [Projected Posting Schedule](#)
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- [Standard Drafting Team Rosters](#)
- [Standard Drafting Team Vacancies](#)
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Balloting

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Standards Under Development

From this page you can keep track of and link to all proposed reliability standards removed from this page and the standard is added to the appropriate Reliability

	Reliability
Project	
Current and Upcoming Ballots (Sorted by End Date)	
Project 2012-05 ATC Revisions (MOD A) - MOD-001-2	
Project 2010-01 - Training - PER-005-2	
Project 2013-04 Voltage and Reactive Control - VAR-001-4, VAR-002-3	
Project 2010-03 - Modeling Data (MOD B) - MOD-032-1, MOD-033-1	
Project 2010-04 - Demand Data (MOD C) - MOD-031-1	
Project 2010-17 - Definition of Bulk Electric System (Phase 2)	
Project 2010-14.1 - Phase 1 of Balancing Authority Reliability-based Controls: 002-2	
Join Ballot Pools (Ballot Pool Windows Close at 8 a.m. Eastern)	
None at this time.	
Posted for Comment (Closes at 8 p.m. Eastern) (Sorted by End Date)	
Order 754	
Project 2013-04 Voltage and Reactive Control - VAR-001-4, VAR-002-3	
Project 2010-03 - Modeling Data (MOD B) - MOD-032-1, MOD-033-1	

Once in Standards select **Reliability Standards Development** from the left navigation pane

Purpose /Industry Need:

The participants in the technical conference perceived a reliability concern regarding the comprehensive assessment of potential protection system failures by registered entities. The group agreed on the need to study if a gap exists regarding the study and resolution of a single point of failure on protection systems. Note: This is not a “redundancy of protection systems” issue. The issue is, do the requirements in the transmission planning reliability standards adequately address the analysis and discovery of a protection system failure in order develop plans to meet the performance requirements for the BES (i.e. TPL-001, 002, 003, and 004).

Draft	Action	Dates	Results	Consideration of Comments
Data Reporting for buses 300 kV and above (Entities may report lower voltages)	<div style="border: 2px solid orange; padding: 5px; display: inline-block;"> <p>Data Reporting</p> <p><Register for Access to Order No. 754 Portal></p> </div> <p><Returning Order No. 754 Portal Users></p>	9/3/2013 - 10/2/2013		<p>Technical Support</p> <p>Coverage Support 8-5 p.m., ET Monday – Friday</p> <p>To open an IT Help Desk ticket, email: support@nerc.net</p> <p>Email must contain: Requestor’s name Company name Phone number Region Description of issue Name of application (e.g., Order 754)</p>
Data Request Six-month Status Report	Reporting Period			
Unofficial Comment Form (Word)	Report Status Here>> Info>>	1/28/2013-3/4/2013	Six-Month Status Report>>	

Select the **Register for Access to Order No. 754 Portal** link



New NERC User Registration

Site Actions ▾ Sign In

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NERC Account Registration and Management System

NERC Application Registration Step 1 of 3

Application

You may only register for one application at a time. Please select the application you would like to access.

Do you have an existing NERC Login and Password?

* Required field

Select Application: *

Order No. 754 ▾

Login and Password: *

No, I do not have an existing NERC login and password.

Yes, I do have an existing NERC login and password.

Continue

Confirm "Order No. 754" in the drop box

Choose the "No, I do not have..." radio button

Then click **CONTINUE**

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Washington Office | 1325 G Street, NW Suite 600, Washington, DC 20005-3801 | 202-400-3000

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NERC Account Registration and Management System

NERC Application Registration Step 2 of 3

** Required field*

<p>User Name</p> <p>Create a User Name for your account. You will use this to log into NERC applications.</p>	<p>Enter User Name: *</p> <input type="text" value="Tester3"/>
<p>Password</p> <p>Use this section to enter your password. Your password must meet the following complexity requirements:</p> <ol style="list-style-type: none"> 1) Be at least 8 characters in length. 2) Contain characters from three of the following 4 categories: <ul style="list-style-type: none"> English uppercase (A through Z) English lowercase (a through z) Base 10 digits (0 through 9) Non-alphanumeric (For example: !, \$, #, *, or %) 3) Cannot be the same as the last 24 passwords used. 	<p>Enter Password and Confirmation: *</p> <input type="password" value="••••••••"/> <input type="password" value="••••••••"/>
<p>Email Address</p> <p>Enter the email address to where you want to receive correspondence regarding your NERC account.</p>	<p>Enter Email Address and Confirmation (Copy/Paste not allowed in Confirmation box): *</p> <input type="text" value="John.Doe@utility.net"/> <input type="text" value="John.Doe@utility.net"/>
<p>Security Question</p> <p>Choose a security question we will use to validate your identity in case you forget your User Name or Password.</p>	<p>Select Question: *</p> <input type="text" value="What city were you born in?"/>
<p>Security Answer</p> <p>Enter an answer to the security question above.</p>	<p>Enter Answer: *</p> <input type="text" value="Atlanta"/>

Complete the
required fields and
click
CONTINUE

NERC Account Registration and Management System

NERC Application Registration Step 3 of 3

** Required field*

Account Information

First Name	Enter First Name: * <input type="text" value="John"/>
Middle Initials <small>(This is an optional field)</small>	Enter Middle Initials: <input type="text"/>
Last Name	Enter Last Name: * <input type="text" value="Doe"/>
Job Title <small>(This is an optional field)</small>	Enter Title: <input type="text"/>
Address	Enter Address: * <input type="text" value="123 Apple Street"/>
Additional Address <small>(This is an optional field)</small>	Enter Additional Address: <input type="text"/>
City	Enter City: * <input type="text" value="Atlanta"/>

Complete required fields

NCR Number

Enter NCR Number: *

12345

Region

Enter Region: *

Western Electricity Coordinating Council ▼

Secondary Contact Name

Enter Contact Name: *

Jane Smith

Enter the name of your company's secondary contact.

Secondary Contact Email

Enter Contact Email: *

jane.smith@aol.com

Secondary Contact Phone

Enter Contact Phone: *

555-555-5555

Acknowledge FERC Order 754 Request

The purpose of this survey is to solicit data and information from each Transmission Planner in the United States and Canada, in coordination with Generator Owners, transmission Owners, and Distribution Providers in its transmission planning area, to identify specific information regarding potential single point failure on their protection systems in order to determine whether there is a risk to BPS reliability. Responding to the data request is mandatory for registered entities in the United States. It is not mandatory for registered entities in Canada to respond, but Canadian entities are strongly encouraged to submit data so that decisions regarding the concern stated in Order 754 can be based on complete data across North America.

Acknowledge Request: *

- I acknowledge the data and information request and will be responsible for the Entity in coordination the fulfillment of the data request as the Transmission Planner
- I do not acknowledge the data and information and will not be coordinating the fulfillment of the data request for the following reasons:


Submit

Cancel

Complete the
required fields and
click
SUBMIT

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NERC Account Registration and Management System

Registration Complete

Thank you for using NERC's online registration and account management system. An e-mail has been sent to you to confirm your registration.

Registration confirmation message displays:

1. An email is generated to the Transmission Planner confirming registration
2. Upon review by NERC Staff, the user will be vetted prior to being granted access to use their account credentials to login to Order No. 754 application

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NERC Application Registration Step 1 of 3

Application

You may only register for one application at a time. Please select the application you would like to access.

Do you have an existing NERC Login and Password?

** Required field*

Select Application: *

Order No. 754 ▾

Login and Password: *

- No, I do not have an existing NERC login and password.
 Yes, I do have an existing NERC login and password.

Login *

Password *

Continue

Confirm "Order No. **754**" in the drop box

Choose the "Yes, I do have..." radio button and enter credentials

Then click **CONTINUE**

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NERC Account Registration and Management System

NERC Application Registration Step 3 of 3

Account Information

* Required field

First Name

Enter First Name: *

John

Middle Initials

(This is an optional field)

Enter Middle Initials:

Last Name

Enter Last Name: *

Doe

Job Title

(This is an optional field)

Enter Title:

Address

Enter Address: *

123 Apple Street

Additional Address

(This is an optional field)

Enter Additional Address:

City

Enter City: *

Atlanta

If fields are not visible, click the plus sign to expand

Confirm your account is up-to-date

Fields will be grayed out

If not up-to-date, go to your profile later and make the appropriate changes

NCR Number

Enter NCR Number: *

12345

Region

Enter Region: *

Western Electricity Coordinating Council ▾

Secondary Contact Name

Enter Contact Name: *

Jane Smith

Enter the name of your company's secondary contact.

Secondary Contact Email

Enter Contact Email: *

jane.smith@aol.com

Secondary Contact Phone

Enter Contact Phone: *

555-555-5555

Acknowledge FERC Order 754 Request

The purpose of this survey is to solicit data and information from each Transmission Planner in the United States and Canada, in coordination with Generator Owners, transmission Owners, and Distribution Providers in its transmission planning area, to identify specific information regarding potential single point failure on tyheir proctction systems in order to determin whether there is a risk to BPS reliability. Responding to the data request is mandatory for registered entitiues in the United States. It is not mandatory for registered entities in Canada to respond, but Canadian entities are strongly encouraged to submit data so that decisions regarding the concern stated in Order 754 can be based on complete data across North America.

Acknowledge Request: *

- I acknowledge the data and information request and will be responsible for the Entity in coordination the fulfillment of the data request as the Transmission Planner
- I do not acknowledge the data and information and will not be coordinating the fulfillment of the data request for the following reasons:

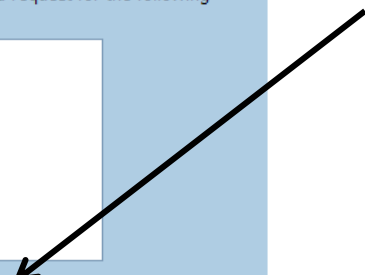
Submit

Cancel

*Confirm
secondary contact
information*

Update, if necessary

*Then click
SUBMIT*



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The North American Electric Reliability Corporation is a not-for-profit entity whose mission is to ensure the reliability of the Bulk-Power System in North America. NERC develops and enforces Reliability Standards; annually assesses seasonal and long-term reliability; monitors the Bulk Power System through system awareness; and educates, trains and certifies industry personnel. NERC's area of responsibility spans the continental United States, Canada and the northern portion of Baja California, Mexico. NERC is the electric reliability organization for North America, subject to oversight by the Federal Energy Regulatory Commission and governmental authorities in Canada. Entities under NERC's jurisdiction are the users, owners and operators of the Bulk-Power System, which serves more than 334 million people.

RELIABILITY | ACCOUNTABILITY

Do not use the typical login found on the NERC website.

The Order No. 754 application runs on a separate platform from these other NERC accounts.

However, your existing NERC account may still be used for the Order No. 754 application

Headlines & News

- NERC Pleased with Senators Efforts on Cybersecurity Act of 2013
July 30, 2013
- NERC, NATF Sign Memorandum of Understanding to Improve Cooperation, Coordination of Reliability Activities
July 10, 2013
- NERC Identifies Key Initiatives, Priorities for Bulk Power System Reliability at FERC Technical Conference
July 09, 2013
- Make Plans to Attend NERC's Third Annual Grid Security Conference
July 01, 2013
- FERC Grants Extension on BES Definition Implementation
June 26, 2013
- Make Plans to Attend NERC's Monitoring and Situational Awareness Conference in September
May 31, 2013

Newsroom Archives

Calendar

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Critical Infrastructure	Compliance
Reliability Assessment & Performance Analysis	Training & Operator Certification
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Standards

Critical Infrastructure

Reliability Assessment & Performance Analysis



Data Entry

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- Bus Protection
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- Submit Data

Reporting Progress - Deadline March 4, 2013

The completion of this survey and submission to NERC is due by September 30, 2014 and requires periodic reporting.

Transmission Planners must submit a status report confirming the percent of work completed by March 4, 2013

Please enter percent of work completed in the textbox in accordance to the Order No. 754 data collection request reporting schedule.

Percent complete to date here

New Users will be required to provide a value in order to unlock remaining tables. Update value and click **SUBMIT**

Other users that acknowledged the Order No. 754 in 2012 may update the value or simply click **SUBMIT**

The screenshot shows the NERC website interface. On the left is a sidebar with navigation links. The main content area features a table with the following data:

Reporting Period	Data Collection Deadline	Submit Data	Current Status
(Status Update)	3/4/2013 12:00:00 AM	Submit Data	Submitted
300 kV or higher	10/2/2013 12:00:00 AM	Submit Data	Not Started
200kV-299kV	3/3/2014 12:00:00 AM	Submit Data	Not Started
100kV-199kV	9/30/2014 12:00:00 AM	Submit Data	Not Started

Below the table, it says: Email questions: 754DataRequest@nerc.net

1. Upon clicking **Submit Data**
2. The Status Column updates to **“Submitted”**
3. Ability to edit previously submitted data may be done by clicking **“Edit”**
4. Start entering data by clicking on the first table set “Buses Evaluated by TP

*An **email** is generated to the user confirming submission.*

Order 754 Home

Order 754 Instructions

Status Update (6-Month)

Buses Evaluated by TP

Transmission Line Protection

Transmission Xfmr Protection

GSU Xfmr Protection

Step-down Xfmr Protection

Shunt Device Protection

Bus Protection

Station DC Supply Attributes

Submit Data

Buses Evaluated by the Transmission Planner

	≥100kV - < 200kV	≥200kV - < 300kV	≥300kV - < 400kV	≥400kV - < 600kV	≥600kV
1 Total number of buses in the transmission planning area:					
2 Total number of buses in the transmission planning area that meet the criteria in Table A, "Initial Criteria for Buses to be Tested":					
3 Total number of buses evaluated by the Transmission Planner based on actual clearing times:					
4 Total number of buses evaluated by the Transmission Planner based on actual clearing times that resulted in system performance exhibiting any adverse impact defined in Table C, "Performance Measures":					

Important!!! Be sure to save your data before leaving the page.

CANCEL

SAVE

CONTINUE

Comments: (Optional)

5

Notes:

- The number of buses to be entered in Row 1 is the total number of buses in the transmission planning area. For this purpose all bus configurations at the same voltage level within a substation will be treated as a single bus, unless there are no normally closed ties between the buses. For this purpose, buses do not include locations where equipment is connected without an interrupting device (e.g., a line tap that is protected by the main-line protection).
- The number of buses to be entered in Row 2 is the number of buses in Row 1 that meet the criteria in Table A, "Initial Criteria for Buses to be Evaluated." [This entry is equal to the number of buses on the initial "List of Buses to be Tested" developed by the Transmission Planner in Step 1 of the Method.]
- The number of buses to be entered in Row 3 is the number of buses for which the Transmission Planner simulated a three-phase fault using expected clearing times provided by the Transmission Owner and Generator Owner. [This entry is equal to the number of buses tested by the Transmission Planner in Step 8 of the Method.]
- The number of buses to be entered in Row 4 is the number of buses for which a three-phase fault simulated by the Transmission Planner using expected clearing times resulted in system performance that exhibits any of the adverse impacts identified in Table C, "Performance Measures." [This entry is equal to the number of buses on the updated List of Buses to be Evaluated developed by the Transmission Planner in Step 9.]
- Data must be entered for rows 1 - 4 regardless of whether the Transmission Planner followed the method provided in the Request for Data or Information or used an alternate method that provides consistent data (in form and substance).

The slides will focus on the current reporting period.

User must click **SAVE** or **CONTINUE** before navigating to another table.

Not doing so will result in data not being saved.

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Buses Evaluated by the Transmission Planner					
	≥100kV - < 200kV	≥200kV - < 300kV	≥300kV - < 400kV	≥400kV - < 600kV	≥600kV
1 Total number of buses in the transmission planning area:					0
2 Total number of buses in the transmission planning area that meet the criteria in Table A, "Initial Criteria for Buses to be Tested":					0
3 Total number of buses evaluated by the Transmission Planner based on actual clearing times:					0
4 Total number of buses evaluated by the Transmission Planner based on actual clearing times that resulted in system performance exhibiting any adverse impact defined in Table C, "Performance Measures":					0

Important!!! Be sure to save your data before leaving the page.

CANCEL SAVE CONTINUE

5 Comments: (Optional)

Notes:

- 1 The number of buses to be entered in Row 1 is the total number of buses in the transmission planning area. For this purpose all bus configurations at the same voltage level within a substation will be treated as a single bus, unless there are no normally closed ties between the buses. For this purpose, buses do not include locations where equipment is connected without an interrupting device (e.g., a line tap that is protected by the main-line protection).
- 2 The number of buses to be entered in Row 2 is the number of buses in Row 1 that meet the criteria in Table A, "Initial Criteria for Buses to be Evaluated." [This entry is equal to the number of buses on the initial "List of Buses to be Tested" developed by the Transmission Planner in Step 1 of the Method.]
- 3 The number of buses to be entered in Row 3 is the number of buses for which the Transmission Planner simulated a three-phase fault using expected clearing times provided by the Transmission Owner and Generator Owner. [This entry is equal to the number of buses tested by the Transmission Planner in Step 8 of the Method.]
- 4 The number of buses to be entered in Row 4 is the number of buses for which a three-phase fault simulated by the Transmission Planner using expected clearing times resulted in system performance that exhibits any of the adverse impacts identified in Table C, "Performance Measures." [This entry is equal to the number of buses on the updated List of Buses to be Evaluated developed by the Transmission Planner in Step 9.]
- 5 Data must be entered for rows 1 - 4 regardless of whether the Transmission Planner followed the method provided in the Request for Data or Information or used an alternate method that provides consistent data (in form and substance).

Prepopulation Row 1 –

Zero buses in row 1 will auto-populate the remaining tables. There is no need to continue to other tables for the given column (i.e., voltage)

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- Bus Protection
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- Submit Data

Buses Evaluated by the Transmission Planner

	≥100kV - < 200kV	≥200kV - < 300kV	≥300kV - < 400kV	≥400kV - < 600kV	≥600kV
1 Total number of buses in the transmission planning area:				10	0
2 Total number of buses in the transmission planning area that meet the criteria in Table A, "Initial Criteria for Buses to be Tested":				0	0
3 Total number of buses evaluated by the Transmission Planner based on actual clearing times:				0	0
4 Total number of buses evaluated by the Transmission Planner based on actual clearing times that resulted in system performance exhibiting any adverse impact defined in Table C, "Performance Measures":				0	0

Important!!! Be sure to save your data before leaving the page.

5 Comments: (Optional)

Notes:

- 1 The number of buses to be entered in Row 1 is the total number of buses in the transmission planning area. For this purpose all bus configurations at the same voltage level within a substation will be treated as a single bus, unless there are no normally closed ties between the buses. For this purpose, buses do not include locations where equipment is connected without an interrupting device (e.g., a line tap that is protected by the main-line protection).
- 2 The number of buses to be entered in Row 2 is the number of buses in Row 1 that meet the criteria in Table A, "Initial Criteria for Buses to be Evaluated." [This entry is equal to the number of buses on the initial "List of Buses to be Tested" developed by the Transmission Planner in Step 1 of the Method.]
- 3 The number of buses to be entered in Row 3 is the number of buses for which the Transmission Planner simulated a three-phase fault using expected clearing times provided by the Transmission Owner and Generator Owner. [This entry is equal to the number of buses tested by the Transmission Planner in Step 8 of the Method.]
- 4 The number of buses to be entered in Row 4 is the number of buses for which a three-phase fault simulated by the Transmission Planner using expected clearing times resulted in system performance that exhibits any of the adverse impacts identified in Table C, "Performance Measures." [This entry is equal to the number of buses on the updated List of Buses to be Evaluated developed by the Transmission Planner in Step 9.]
- 5 Data must be entered for rows 1 - 4 regardless of whether the Transmission Planner followed the method provided in the Request for Data or Information or used an alternate method that provides consistent data (in form and substance).

Prepopulation Row 2–

Zero buses in row 2 will auto-populate the remaining tables. There is no need to continue to other tables for the given column (i.e., voltage)

- Order 754 Home
- Order 754 Instructions
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- Buses Evaluated by TP**
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Buses Evaluated by the Transmission Planner

	≥100kV - < 200kV	≥200kV - < 300kV	≥300kV - < 400kV	≥400kV - < 600kV	≥600kV
1 Total number of buses in the transmission planning area:			30	10	0
2 Total number of buses in the transmission planning area that meet the criteria in Table A, "Initial Criteria for Buses to be Tested":			20	0	0
3 Total number of buses evaluated by the Transmission Planner based on actual clearing times:			25	0	0
4 Total number of buses evaluated by the Transmission Planner based on actual clearing times that resulted in system performance exhibiting adverse Performance Measures":				0	0

1. You must enter a value less than or equal to the value in row #2.
Important

Message from webpage

There are errors on the page. Please resolve errors to save or continue.

OK

CANCEL SAVE CONTINUE

5 Comments: (Optional)

Notes:

1 The number of buses to be entered in Row 1 is the total number of buses in the transmission planning area. For this purpose all bus configurations at the same voltage level within a substation will be treated as a single bus, unless there are no normally closed ties between the buses. For this purpose, buses do not include locations where equipment is connected without an interrupting device (e.g., a line tap that is protected by the main-line protection).

2 The number of buses to be entered in Row 2 is the number of buses in Row 1 that meet the criteria in Table A, "Initial Criteria for Buses to be Evaluated." [This entry is equal to the number of buses on the initial "List of Buses to be Tested" developed by the Transmission Planner in Step 1 of the Method.]

3 The number of buses to be entered in Row 3 is the number of buses for which the Transmission Planner simulated a three-phase fault using expected clearing times provided by the Transmission Owner and Generator Owner. [This entry is equal to the number of buses tested by the Transmission Planner in Step 8 of the Method.]

4 The number of buses to be entered in Row 4 is the number of buses for which a three-phase fault simulated by the Transmission Planner using expected clearing times resulted in system performance that exhibits any of the adverse impacts identified in Table C, "Performance Measures." [This entry is equal to the number of buses on the updated List of Buses to be Evaluated developed by the Transmission Planner in Step 9.]

5 Data must be entered for rows 1 - 4 regardless of whether the Transmission Planner followed the method provided in the Request for Data or Information or used an alternate method that provides consistent data (in form and substance).

Data Rule –

The number entered in row #3 **must be equal to or less than** row #2

Such rules will be found in multiple tables to ensure data is valid and consistent.

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Buses Evaluated by the Transmission Planner

	≥100kV - < 200kV	≥200kV - < 300kV	≥300kV - < 400kV	≥400kV - < 600kV	≥600kV
1 Total number of buses in the transmission planning area:			30	0	0
2 Total number of buses in the transmission planning area that meet the criteria in Table A, "Initial Criteria for Buses to be Tested":			20	0	0
3 Total number of buses evaluated by the Transmission Planner based on actual clearing times:			10	0	0
4 Total number of buses evaluated by the Transmission Planner based on actual clearing times that resulted in system performance exhibiting any adverse impact defined in Table C, "Performance Measures":			10	0	0

Your data was successfully saved.

Important!!! Be sure to save your data before leaving the page.

5 Comments: (Optional)

- Notes:
- 1 The number of buses to be entered in Row 1 is the total number of buses in the transmission planning area. For this purpose all bus configurations at the same voltage level within a substation will be treated as a single bus, unless there are no normally closed ties between the buses. For this purpose, buses do not include locations where equipment is connected without an interrupting device (e.g., a line tap that is protected by the main-line protection).
 - 2 The number of buses to be entered in Row 2 is the number of buses in Row 1 that meet the criteria in Table A, "Initial Criteria for Buses to be Evaluated." [This entry is equal to the number of buses on the initial "List of Buses to be Tested" developed by the Transmission Planner in Step 1 of the Method.]
 - 3 The number of buses to be entered in Row 3 is the number of buses for which the Transmission Planner simulated a three-phase fault using expected clearing times provided by the Transmission Owner and Generator Owner. [This entry is equal to the number of buses tested by the Transmission Planner in Step 8 of the Method.]
 - 4 The number of buses to be entered in Row 4 is the number of buses for which a three-phase fault simulated by the Transmission Planner using expected clearing times resulted in system performance that exhibits any of the adverse impacts identified in Table C, "Performance Measures." [This entry is equal to the number of buses on the updated List of Buses to be Evaluated developed by the Transmission Planner in Step 9.]
 - 5 Data must be entered for rows 1 - 4 regardless of whether the Transmission Planner followed the method provided in the Request for Data or Information or used an alternate method that provides consistent data (in form and substance).

Users are encouraged to click **SAVE** before continuing.

Clicking **CONTINUE will save** the users data; however, the user might miss a data validation error or warning.

Clicking **CONTINUE will automatically** take the user to the next applicable table.

Tester1 ▾

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Attributes of Evaluated Transmission Transformer Protection Systems

		≥100kV - < 200kV	≥200kV - < 300kV	≥300kV - < 400kV	≥400kV - < 600kV	≥600kV
1	Total number of Transmission Transformers for which protection system attributes were evaluated by the Generator Owners, Transmission Owners, and Distribution Providers:			0	0	0
2	Number of Transmission Transformers for which protection systems does not meet all of the specified protection system attributes for redundancy in Table B:			0	0	0
3	Number of Transmission Transformers for which the protection system does not meet the specified protection system attributes for the Protective Relays:			0	0	0
4	Number of Transmission Transformers for which the protection system does not meet the specified protection system attributes for the AC Current and Voltage Inputs:			0	0	0
5	Number of Transmission Transformers for which the protection system does not meet the specified protection system attributes for the DC Control Circuitry:			0	0	0

Important!!! Be sure to save your data before leaving the page.

Comments: (Optional)

Notes:

The following tables are missing Row 4 from the Data Template spreadsheet which had “N/A” in the rows.

Be sure to enter data accounting for the missing row.

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Station DC Supply Attributes

	≥100kV - < 200kV	≥200kV - < 300kV	≥300kV - < 400kV	≥400kV - < 600kV	≥600kV
This is pre-populated data from Table #1, row 2. When completing Table 8, the sum of each column should equal its pre-populated values. If the sum is not equal, please provide comments.			20	0	0
1 Number of buses for which the Station DC Supply includes two independent DC supplies:			10	0	0
2 Number of buses for which the Station DC Supply includes one DC supply that is centrally monitored, and if the station DC supply is a battery includes alarms for both low voltage and a battery open condition:			5	0	0
3 Number of buses for which the Station DC Supply includes one DC supply that is centrally monitored, the station DC supply is a battery, and the monitoring does not include alarms for both low voltage and a battery open condition:			10	0	0
4 Number of buses for which the Station DC Supply includes one DC supply that is not centrally monitored:			5	0	0

The values entered for this kV should equal to the value found in Table #1,row #2. Please add a comment as to why your values differ or update your values!

Important!!! Be sure to save your data before leaving the page. CANCEL SAVE CONTINUE

Comments:
5

- Notes:
- 1 A station DC supply includes one station battery and charger, or one other single DC source, up to and including the main DC panel, that is used for powering the protection systems and used for tripping.
 - 2 A "centrally monitored" station DC supply is one for which alarms are reported within 24 hours of detecting an abnormal condition to a location where corrective action can be initiated.
 - 3 A battery open condition refers to not having a continuous current path from the positive terminal of the station battery set to the negative terminal.
 - 4 The total number of buses reported on this form should equal the total number of buses that meet the criteria in Table A, "Criteria for Buses to be Evaluated."

Station DC Supply Rule –
The **sum** of the values entered in rows 1 – 4 should **equal** Row 2 from Buses Evaluated by TP. If not, the TP should provide an explanation.

Note that an exception explanation applies to each voltage column, but only in the single comment box.

Site Actions ▾ Browse Page Felicia Walker ▾

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Submit Data

Reporting Period	Data Collection Deadline	Submit Data	Current Status	Submit Data
(Status Update)	3/4/2013 12:00:00 AM	Submit Data	Submitted	Edit
300 kV or higher	10/2/2013 12:00:00 AM	Submit Data	Submitted	Edit
200kV-299kV	3/3/2014 12:00:00 AM	Submit Data	Not Started	Edit
100kV-199kV	9/30/2014 12:00:00 AM	Submit Data	Not Started	Edit

Email questions: 754DataRequest@nerc.net

1. Upon clicking **Submit Data**
2. The Status Column updates to **“Submitted”**
3. Ability to edit previously submitted data may be done by clicking **“Edit”**

*An **email** is generated to the user confirming submission.*

- Portal is configured to recognize the person that originally acknowledged data request by their **email** provided (same email that notification was sent)
- **Use** the Order No. 754 project page as the portal entry path so not to miss important information
- Entities **may correct data** after submission – NERC staff will be notified of post deadline data changes
- Data must be submitted (i.e., to get confirmation)
- Data Request questions – DataRequest754@nerc.net
- Portal technical issues – see Technical Support slide



Closing Information

- Reporting Period for buses 300 kV and higher
 - **Opens** Tuesday, September 3, 2013
 - **Closes** Wednesday, October 2, 2013 (Reminder will be sent)
- Voltages may be entered through each reporting deadline
- Future deadlines
 - Voltages greater than 200 kV and less than 300 kV
 - March 3, 2014
 - Voltages greater than 100 kV and less than 200 kV
 - September 30, 2014
- Reminder: [Clarifications](#) posted on project page

- Each entity is required to authorize its data submittal(s) to complete the data request
- See page 24 of the Data Request (August 16, 2012) for additional details and a template authorization
- Email Authorizations to: DataRequest754@nerc.net
 - Or deliver to:
 - NERC – Order No. 754
C/O Scott Barfield-McGinnis, Standards Developer
3353 Peachtree Rd, Suite 600, North Tower
Atlanta, GA 30326

- Monday – Friday (except observed holidays)
 - 8:00 a.m.-5:00 p.m., Eastern
- To open an IT Help Desk ticket, email:
 - support@nerc.net
- Email must contain:
 - Requestor's name
 - Company name
 - Phone number
 - Region
 - Description of issue
 - Name of application (e.g., Order 754)



Questions and Answers