



Texas Nodal

NMMS Development

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- **Current Big Picture**

- NMMS CIM model management, tracking, and manipulation for Network Operations built around Siemens IMM (Information Model Manager)

- **Operations Data Submittal**

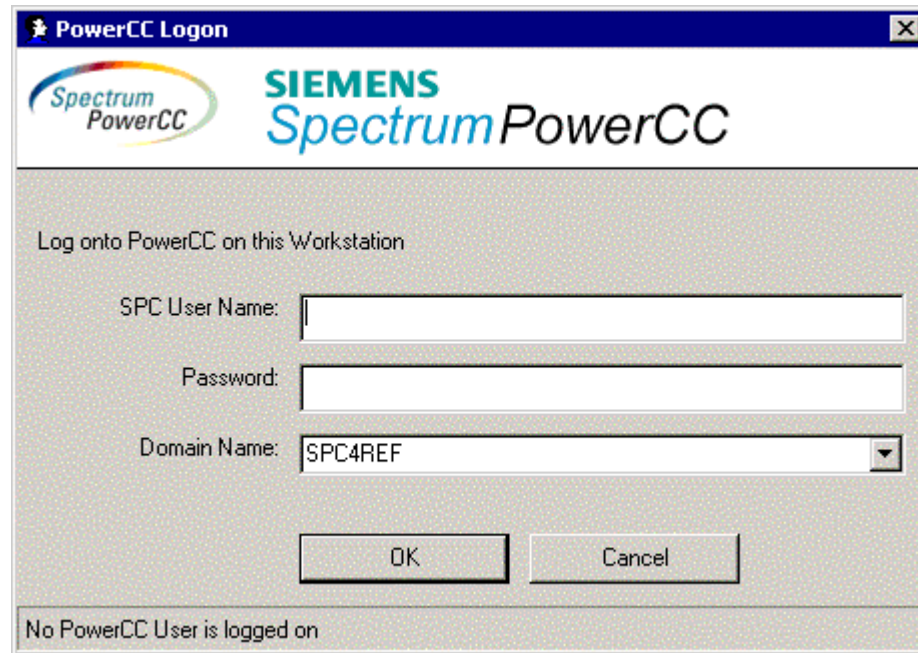
- User Permissions
- Web based Graphical Interface
- Network Operations Model Change Request (NOMCR)
 - Options:
 - CIM file
 - Graphical Interface

- **User Permissions:**

- The ability to view projects will be universal (you submit and we post)
- The only people allowed to change projects or equipment attributes will be people associated with the ownership of that equipment
- Owners of jointly owned pieces of equipment will receive notification when equipment parameters change.

- **Logon capability for individual users**

- Permissions can be set to provide No, View, or View/Modify permissions on data.

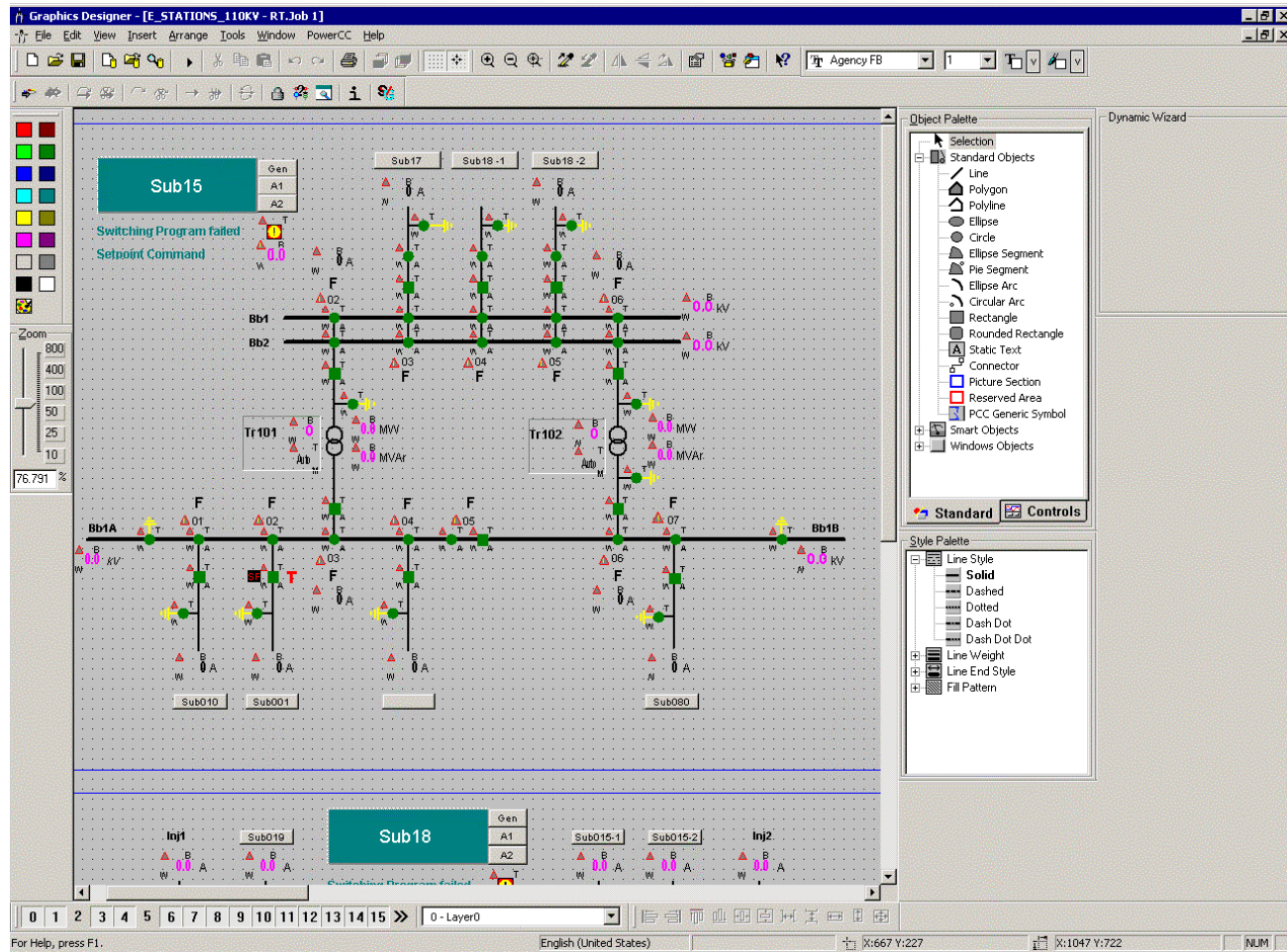


The image shows a Windows-style dialog box titled "PowerCC Logon". At the top, there is a logo for "Spectrum PowerCC" and the text "SIEMENS Spectrum PowerCC". Below the logo, the text "Log onto PowerCC on this Workstation" is displayed. There are three input fields: "SPC User Name:" followed by a text box, "Password:" followed by a text box, and "Domain Name:" followed by a dropdown menu showing "SPC4REF". At the bottom, there are two buttons: "OK" and "Cancel". A status bar at the very bottom of the dialog box contains the text "No PowerCC User is logged on".

Not Fully Developed, Please make suggestions using feedback form.

- **Goal is to allow for the creation of an incremental CIM file thru a graphical interface.**
 - Less confusion
 - Greater ability to track
 - Faster approval of Change Request
 - “Smart” Automatic one-line drawing capability
- Should be the primary method for submittal for “small” changes.
 - Changing the impedance of a single transformer.
 - Changing the “normal” status of a breaker.
 - Etc.

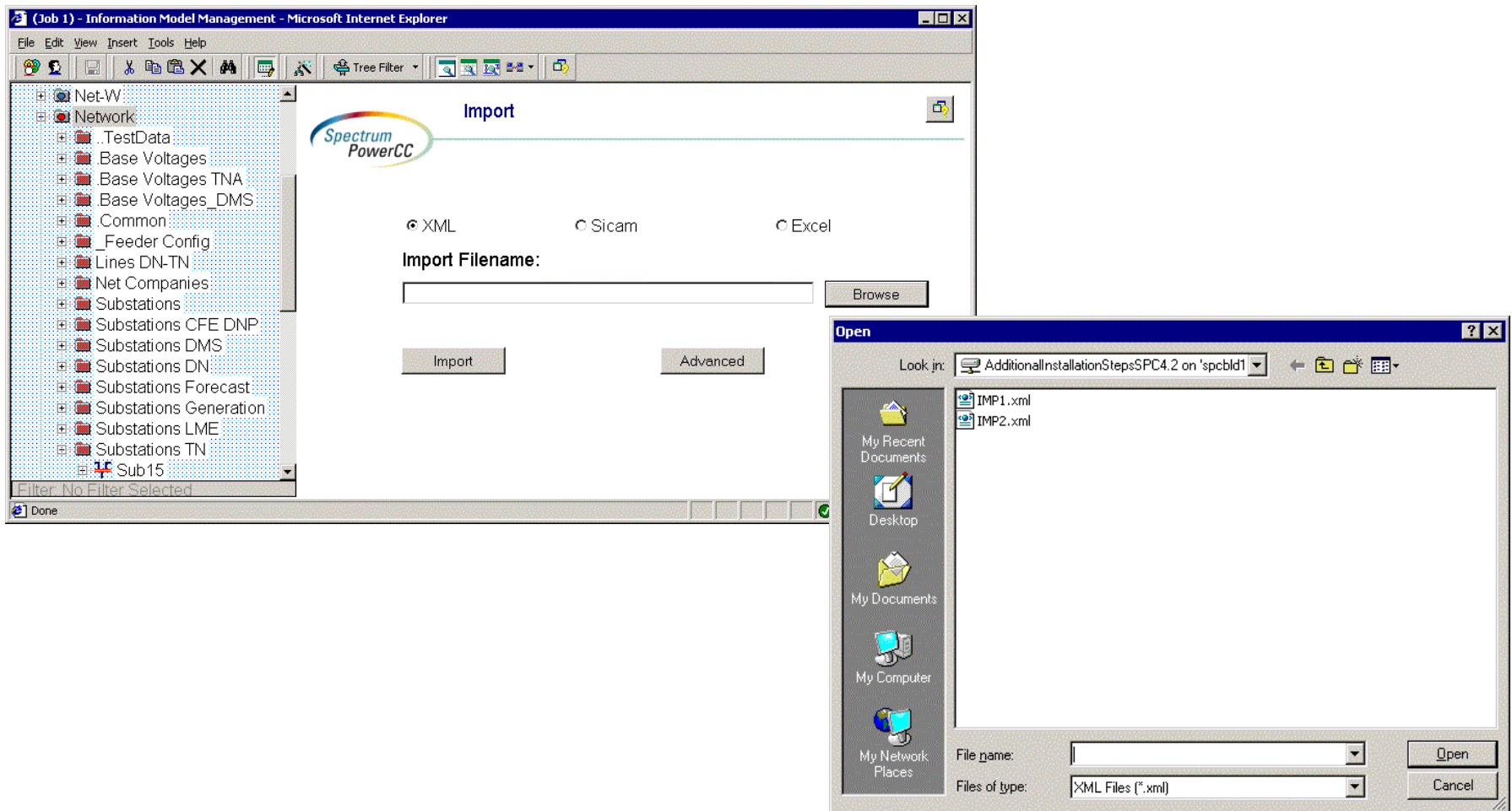
Current IMM Graphical Interface



Needs work, Please make suggestions on Feedback Form!

- **Goal is to allow for an incremental CIM file import thru a graphical interface.**
 - Less confusion
 - Greater ability to track
 - Faster approval of Change Request
 - “Smart” Automatic one-line drawing capability
 - No double entry
- Should be the primary method for submittal for large changes.
 - New Substation
 - Reconfigure Substation

Current CIM File Submittal Interface



Needs work, Please make suggestions on Feedback Form!

- **Robust enough that all pertinent model data can come thru that process.**
- **Allows for easing tracking of NOMCRs. Timelines, Submission dates, Dead lines, etc.**
- **Allows submitter ability to easily modify projects (in compliance with Nodal Protocols).**
- **Track dependencies and notify submitters of possible issues.**

Completely New Application: Suggestions are welcome

Current IMM Project Manager

Job Management

SPC4REF08

System Management Inform...

User Administration (UA)

Realtime (RT)

Realtime (RT)

Application Configuration (AC)

Job Management

Job Name

Job State

Reserved by

Description

Realtime (RT)

View Only

Create New Job

Job Name:

Job 1

Job Description:

This job is created to enter new substation

OK

Cancel

Needs work, Please make suggestions on Feedback Form!

- **NMMS will provide models for all ERCOT applications**

Incorporate outages, future projects, and necessary formatting.

Questions?