
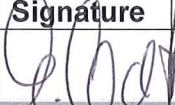
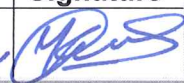
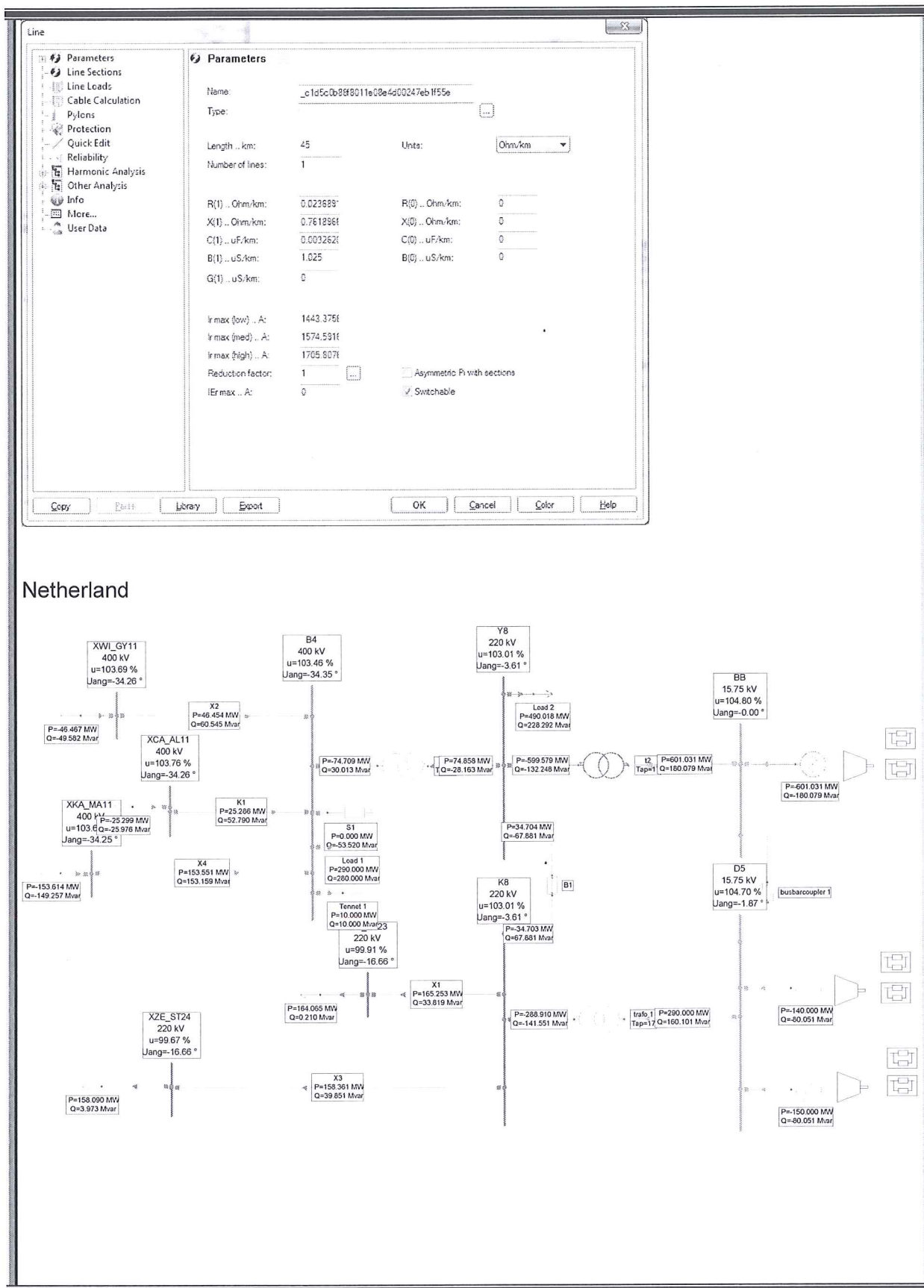


TOOL SUMMARY FORM (PER TOOL)

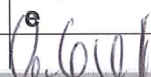
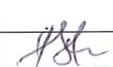
Vendor/Tool: BCP/ NEPLAN 5.4.5.b						Profile edition No:2nd			
Witnessed by									
Name		Signature		Name		Signature			
1.Oana Stanescu(Transelectrica)				9.					
2.				10.					
3.				11.					
4.				12.					
5.				13.					
6.				14.					
7.				15.					
8.				16.					
Performed tests									
Test No	Score	Test No	Score	Test No	Score	Test No	Score	Test No	Score
1	4	16	1	31	4				
2	4	17	4	32	4				
3.1	4	18	1	33	1				
4.1/4.2	4/4	19	1						
5.1/5.2	4/4	20	1						
6.1/6.2	4/4	21	1						
7.1/7.2	4/4	22	1						
8	4	23	1						
9	4	24	1						
10	4	25	1						
11	1	26	1						
12	1	27	0						
13	1	28	1						
14	1	29	3						
15	4	30	1						
Comments:									
Date	Vendor			ENTSO-E					
15.7.2011	Name			Signature	Name			Signature	
	NEPLAN Giatgen Cott				Chavdar Ivanov				

SINGLE TEST RECORD FORM

Test No: 1	Profile edition No:2nd	Tool:NEPLAN 5.4.5b	Score:4
Test files:			
Import		Export	
ENTSOE_16_BE.zip ENTSO- E_Boundary_Set_23_June_2011_2ndEdition_EU.zip For test Netherland ENTSOE_16_NL.zip			
Comments/Results/Issues:			



Supplementary files:

Date 11.7.2011		Vendor		Test witness	
11.7.2011		Name	Signature	Name	Signature
		Giatgen Cott		Oana Stanescu	

Test No:2	Profile edition No:2nd	Tool:NEPLAN 5.4.5b	Score: 4
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Test files:

Import

ENTSOE_16_BE.zip

ENTSO-

E_Boundary_Set_23_June_2011_2ndEdition_EU.zip

Export

ENTSOE_16_Node_NE_11J15h.zip

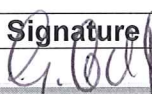

Comments/Results/Issues:

Output from CimSpy:

Output from CimDesk validation for power flow

Output from CimDesk validation for merged power flow

Line instance has been checked

Supplementary files:				
Date	Vendor		Test witness	
11.7.2011	Name	Signature	Name	Signature
	Giatgen Cott		Oana Stanescu	

Test No: 3_1	Profile edition No:2nd	Tool:NEPLAN	Score: 4
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Test files:**Import**

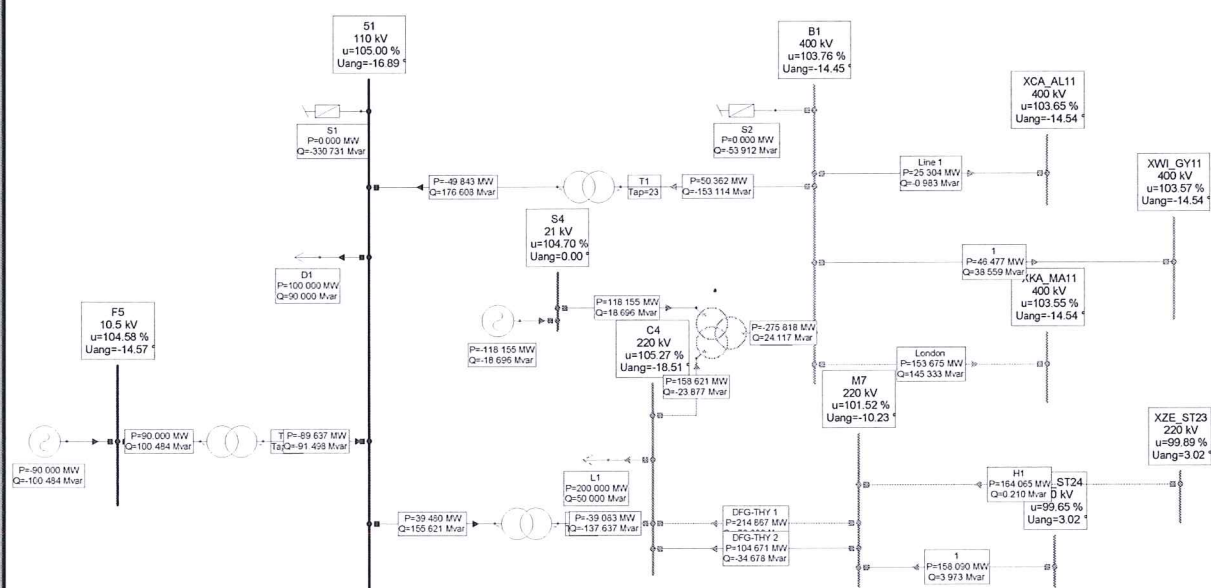
ENTSOE_16_Node_NE_11J12h.zip

Siemens :

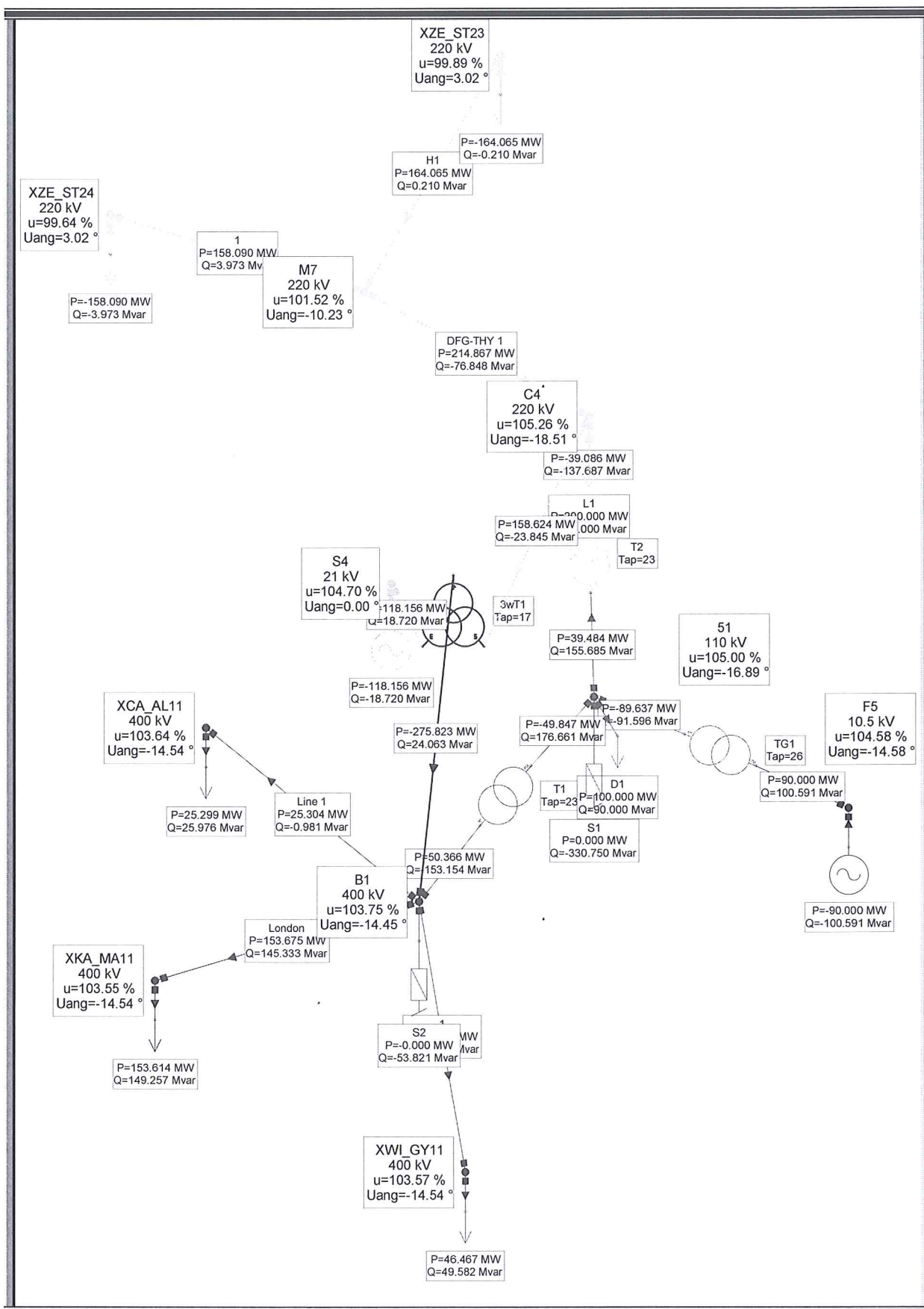
ENTSOE_2_BE_OD_11J11h.zip

Export**Comments/Results/Issues:**

Imported the exported file from test 2)
Load flow result:


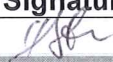


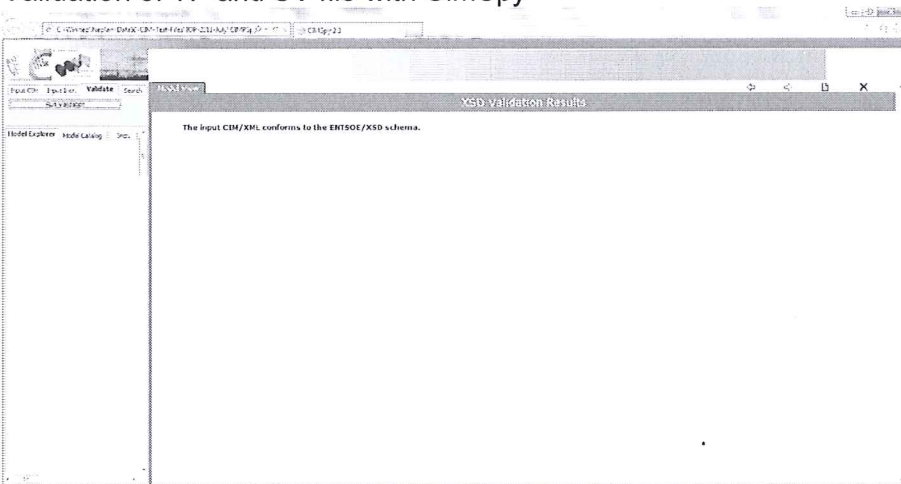
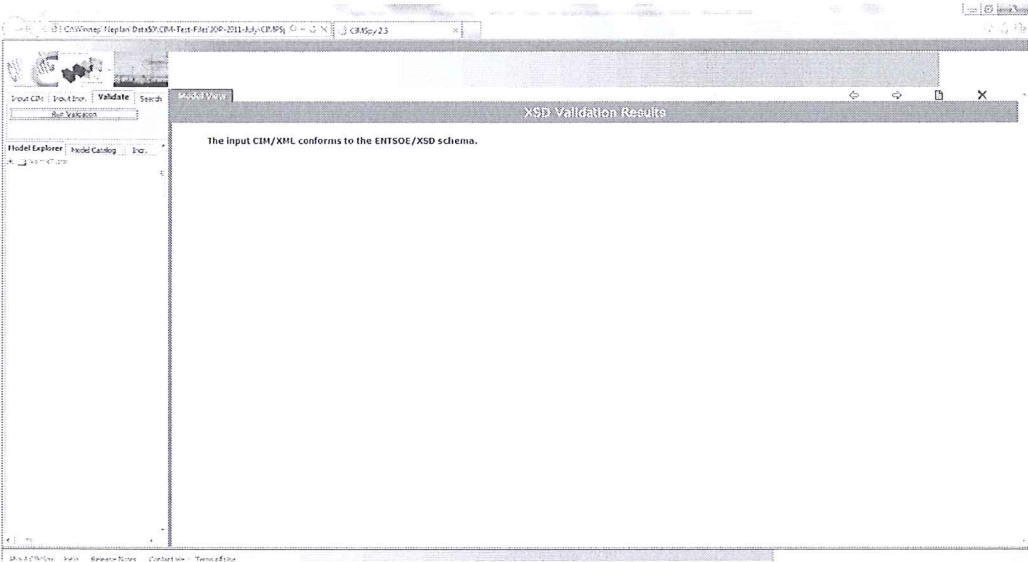
Imported files from Siemens: ENTSOE_2_BE_OD_11J11h.zip



Results are almost the same.

Supplementary files:

Date	Vendor		Test witness	
11.7.2011	Name	Signature	Name	Signature
	Giatgen Cott		Oana Stanescu	

Test No: 4_1	Profile edition No:2nd	Tool:NEPLAN	Score: 4
Test files:			
Import		Export	
ENTSOE_16_BE.zip ENTSO- E_Boundary_Set_23_June_2011_2ndEdition_EU.zip		ENTSOE_16_Node_NE_11J17h.zip	
Comments/Results/Issues:			
We have disconnected Terminal: _c1d5c09e8f8011e08e4d00247eb1f55e			
Validation of TP and SV file with CimSpy			
			
			

CIMDesk Validation for Loadflow for TP

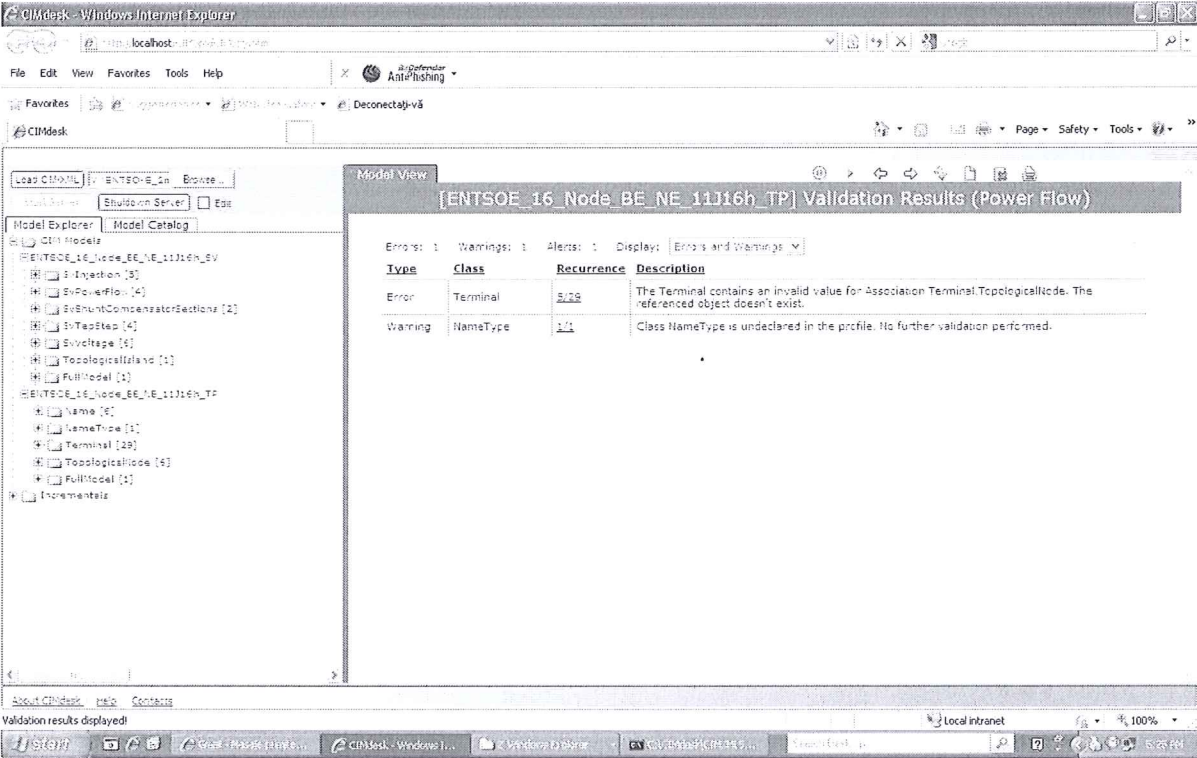
The screenshot shows the CIMDesk application window. The title bar reads "CIMDesk - Windows Internet Explorer". The address bar shows "http://localhost:8080/cimdesk/". The menu bar includes File, Edit, View, Favorites, Tools, and Help. The toolbar includes buttons for Load CIM/XML, Documents, Browse, Shutdown Server, and Edit. The Model Explorer on the left shows a tree structure with "ENTSOE_16_Node_BE_NE_11114h_TP" selected. The central display area shows the title "[ENTSOE_16_Node_BE_NE_11114h_TP] Validation Results (Power Flow)". Below the title, it says "Errors: 1 Warnings: 1 Alerts: 1 Displays: Errors and Warnings". A table lists the validation results:

Type	Class	Recurrence	Description
Error	Terminal	2/25	The Terminal contains an invalid value for Association Terminal.TopologicalId. The referenced object doesn't exist.
Warning	NameType	1/1	Class NameType is undeclared in the profile. No further validation performed.

The status bar at the bottom shows "Validation results displayed!" and "Local intranet".

CIMDesk Validation for Loadflow for merged Model

Date	Vendor	Test witness	
11.7.2011	Name Giatgen Cott	Signature 	Name Oana Stanescu
			Signature

Test No: 4_2	Profile edition No:2nd	Tool:NEPLAN	Score: 4												
Test files:															
Import		Export													
ENTSOE_16_Node_NE_11J16h (from exported Test-2)		ENTSOE_16_Node_NE_11J16h.zip													
ENTSO-E_Boundary_Set_23_June_2011_2ndEdition_EU.zip		In Test-4 directory													
Comments/Results/Issues:															
<p>We have changed the same Terminal as in 4.1</p> <p>CimSpy gives no erros</p> <p>CimDesk gives the same output as in 4.1</p>															
 <p>The screenshot shows the CimDesk application running in a Windows Internet Explorer browser. The browser window has a title bar 'CimDesk - Windows Internet Explorer' and a menu bar with 'File', 'Edit', 'View', 'Favorites', 'Tools', and 'Help'. The address bar shows 'http://localhost:8080/cimdesk'. The main content area is divided into two panes. The left pane is titled 'Model Explorer' and shows a tree structure of CIM models. The right pane is titled 'Model View' and shows the validation results for the selected model '[ENTSOE_16_Node_BE_NE_11J16h_TP]'. The validation results are displayed in a table with columns 'Type', 'Class', 'Recurrence', and 'Description'.</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Class</th> <th>Recurrence</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Error</td> <td>Terminal</td> <td>5/10</td> <td>The Terminal contains an invalid value for Association Terminal.TopologicalNode. The referenced object doesn't exist.</td> </tr> <tr> <td>Warning</td> <td>NameType</td> <td>1/1</td> <td>Class NameType is undeclared in the profile. No further validation performed.</td> </tr> </tbody> </table>				Type	Class	Recurrence	Description	Error	Terminal	5/10	The Terminal contains an invalid value for Association Terminal.TopologicalNode. The referenced object doesn't exist.	Warning	NameType	1/1	Class NameType is undeclared in the profile. No further validation performed.
Type	Class	Recurrence	Description												
Error	Terminal	5/10	The Terminal contains an invalid value for Association Terminal.TopologicalNode. The referenced object doesn't exist.												
Warning	NameType	1/1	Class NameType is undeclared in the profile. No further validation performed.												

Windows Internet Explorer - CIMdesk

File Edit View Favorites Tools Help

Model View [ENTSOE_16_Node_BE_NE_11J16h_EQ] Validation Results (Power Flow)

Errors: 0 Warnings: 15 Alerts: 76 Display: Errors and Warnings

Type	Class	Recurrence	Description
Error	SvInjection	5/5	The SvInjection contains an invalid value for Association SvInjection.TopologicalNode. The referenced object doesn't exist.
Error	Terminal	5/5	The Terminal contains an invalid value for Association Terminal.TopologicalNode. The referenced object doesn't exist.
Warning	ACLineSegment	7/7	Attribute ACLineSegment.r0 is less than or equal to Attribute ACLineSegment.r1.
Warning	SynchronousMachine	2/2	Property SynchronousMachine.Ixx is undeclared for Class SynchronousMachine in the profile.
Warning	SynchronousMachine	2/2	Property SynchronousMachine.directSaturatedX is undeclared for Class SynchronousMachine in the profile.
Warning	SynchronousMachine	2/2	Property SynchronousMachine.directSubtransSaturatedX is undeclared for Class SynchronousMachine in the profile.
Warning	SynchronousMachine	2/2	Property SynchronousMachine.r1d is undeclared for Class SynchronousMachine in the profile.
Warning	SynchronousMachine	2/2	Property SynchronousMachine.r1q is undeclared for Class SynchronousMachine in the profile.
Warning	SynchronousMachine	2/2	Property SynchronousMachine.r2q is undeclared for Class SynchronousMachine in the profile.
Warning	SynchronousMachine	2/2	Property SynchronousMachine.rfd is undeclared for Class SynchronousMachine in the profile.
Warning	SynchronousMachine	2/2	Property SynchronousMachine.x1d is undeclared for Class SynchronousMachine in the profile.
Warning	SynchronousMachine	2/2	Property SynchronousMachine.x1q is undeclared for Class SynchronousMachine in the profile.

Validation results displayed:

Local intranet

Supplementary files:

Date

11.7.2011

Vendor

Name

Giatgen Cott

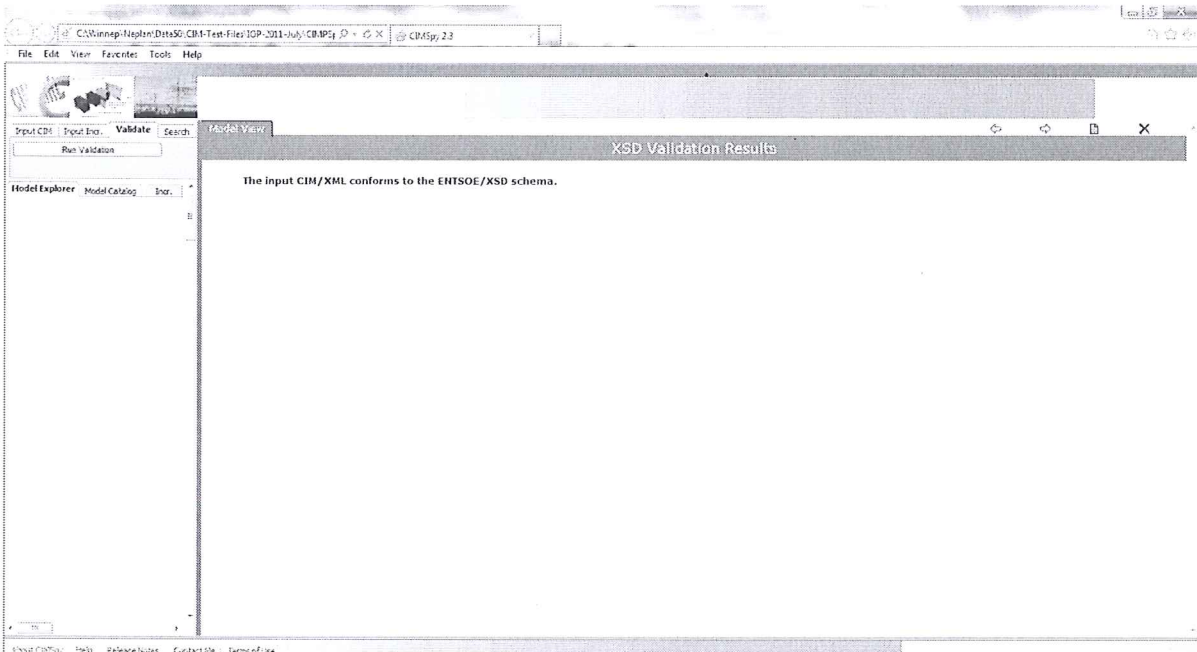
Test witness

Name

Oana Stanescu

Signature

Signature

Test No: 5_1	Profile edition No:2nd	Tool:NEPLAN	Score:4
Test files:			
Import		Export	
ENTSOE_16_BE.zip ENTSO- E_Boundary_Set_23_June_2011_2ndEdition_EU.zip		ENTSOE_16_Node_NE_11J16h.zip From directory Test 5-1	
Comments/Results/Issues:			
<p>We changed:</p> <p>Generator_c1d5c0838f8011e08e4d00247eb1f55e:</p> <ul style="list-style-type: none">- P from 90 to 80 MW,- voltage from 105% to 106% <p>Load_c1d5c0398f8011e08e4d00247eb1f55e:</p> <ul style="list-style-type: none">- P from 100 to 90 MW <p>Output from CimSpy</p> 			
Output SV File from CimDesk:			