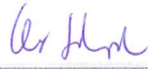
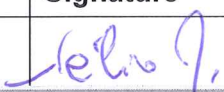
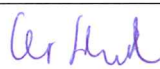
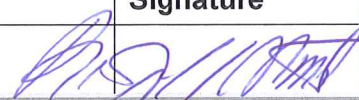
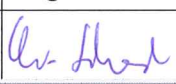
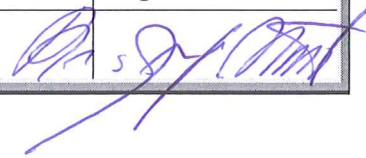

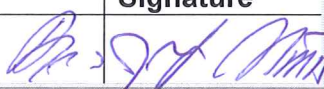
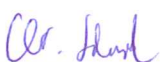
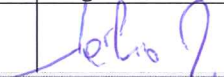


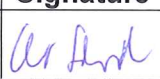
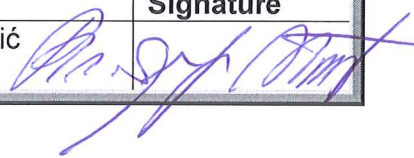
| | | | | |
|--|------------------------------|---|----------------------|---|
| Test No: 15 | Profile edition No: 2 | Tool: PowerFactory 14.1 | Score: 4 | |
| Test files: | | | | |
| Import | | | Export | |
| Profile_Edition_2\Boundary MAS\6_28June2011ENTSO-E_Boundary_Set_28_June_2011_2ndEdition_EU.zip | | | | |
| Profile_Edition_2\ENTSO-E_16\12_11July2011\ENTSOE_16_NL.zip | | | | |
| Profile_Edition_2\ENTSO-E_16\12_11July2011\ENTSOE_16_BE.zip | | | | |
| Comments/Results/Issues: | | | | |
| <p>Imported files successfully;</p> <p>Successfully compared the ESAC1A data with CimDesk and created two snapshots:</p> <ul style="list-style-type: none"> - "CimDesk_ESAC1A.jpg" – Data on CimDesk - "ESAC1A.png" – Data on Powerfactory <p>Successfully compared the HYGGOV data with CimDesk.</p> <p>Successfully compared the Sync Machine data with CimDesk.</p> | | | | |
| Supplementary files: | | | | |
| <p>ENTSO-E_2nd_IOP_Jul2011\DigSilent\2nd_profile\test15\CimDesk_ESAC1A.jpg</p> <p>ENTSO-E_2nd_IOP_Jul2011\DigSilent\2nd_profile\test15\ESAC1A.png</p> | | | | |
| Date | Vendor | | Test witness | |
| | Name | Signature | Name | Signature |
| 12/jul/2011 | Christoph Schmid DiSILENT |  | Nélio Machado REN |  |

| | | | |
|--|------------------------------|---|---|
| Test No: 16 | Profile edition No: 2 | Tool: PowerFactory 14.1 | Score: 4 |
| Test files: | | | |
| Import | | | Export |
| Profile_Edition_2\Boundary MAS\6_28June2011\ENTSO-E_Boundary_Set_28_June_2011_2ndEdition_EU.zip | | | |
| Profile_Edition_2\ENTSO-E_16\12_11July2011\ENTSOE_16_NL.zip | | | |
| Profile_Edition_2\ENTSO-E_16\12_11July2011\ENTSOE_16_BE.zip | | | |
| Comments/Results/Issues: | | | |
| <p>Files were exported successfully and then validated with CimDesk with no errors (CimDesk test 16 DY.jpg)</p> <p>Successfully compared the ESAC1A data with CimDesk and created two snapshots:</p> <ul style="list-style-type: none"> - "Test 16 CimDesk_ESAC1A.jpg" – Data on CimDesk - "ESAC1A_PF.png" – Data on Powerfactory <p>Successfully compared the HYGOV data with CimDesk.</p> <p>Successfully compared the Sync Machine data with CimDesk.</p> | | | |
| Supplementary files: | | | |
| <p>ENTSO-E_2nd_IOP_Jul2011\DigSilent\2nd_profile\test16\ Test 16 CimDesk_ESAC1A.jpg</p> <p>ENTSO-E_2nd_IOP_Jul2011\DigSilent\2nd_profile\test16\ ESAC1A_PF.png</p> | | | |
| Date | Vendor | Signature | Test witness |
| | Name | Name | Signature |
| 14/jul/2011 | Christoph Schmid DiSILENT |  | Vladimir Milić EMS  |

| | | | |
|---|------------------------------|---|---|
| Test No: 17 | Profile edition No: 2 | Tool: PowerFactory 14.1 | Score: 4 |
| Test files: | | | |
| Import | | | Export |
| Profile_Edition_2\Boundary MAS\6_28June2011\ENTSO-E_Boundary_Set_28_June_2011_2ndEdition_EU.zip | | | |
| Profile_Edition_2\ENTSO-E_16\12_11July2011\ENTSOE_16_NL.zip | | | |
| Profile_Edition_2\ENTSO-E_16\12_11July2011\ENTSOE_16_BE.zip | | | |
| Comments/Results/Issues: | | | |
| Imported files successfully; | | | |
| Step response test ($V_{ref}=\pm 5\% V_{ref}$) is applied. The simulation is run 10 s, with recorded signals in attached file (VrefStepAtG1.wmf) | | | |
| Step response test from ODMS are similar with note that damping in PowerFactory is a bit smaller. | | | |
| Supplementary files: | | | |
| ENTSO-E_2nd_IOP_July2011\DIgSILENT\2nd_Profile\Test17\VrefStepAtG1.wmf | | | |
| ENTSO-E_2nd_IOP_July2011\DIgSILENT\2nd_Profile\Test17\PSSE\ G1 Response Plot.jpg | | | |
| Date | Vendor | Test witness | |
| | Name | Signature | Name |
| 14/jul/2011 | Christoph Schmid DISILENT |  | Vladimir Milić EMS |
| | | |  |

| | | | |
|--|------------------------------|---|---|
| Test No: 28 | Profile edition No: 2 | Tool: PowerFactory 14.1 | Score: 4 |
| Test files: | | | |
| Import | | Export | |
| ENTSO- E_2nd_IOP_July2011\Siemens\2nd_Profile\Test27\ GE_Operation_Planning_OD_15J09h.zip | | | |
| Comments/Results/Issues: | | | |
| <p>Zip file from Test No27 (ODMS) is imported with warnings for TopologicalNode.ConnectivityNodeContainer references.</p> <p>Loadflow successfully calculated;</p> <p>Comparison between results are very close and shown in the attached files.</p> | | | |
| Supplementary files: | | | |
| \ENTSO-E_2nd_IOP_July2011\DIgSILENT\2nd_Profile\Test28\PF_Idfresults.png \ENTSO- E_2nd_IOP_July2011\DIgSILENT\2nd_Profile\Test28\ODMS_Loadflow_Summary_Operation.png | | | |
| Date | Vendor | Test witness | |
| | Name | Signature | Name |
| 15/jul/2011 | Christoph Schmid DiSILENT |  | Vladimir Milić EMS  |

| | | | |
|--|------------------------------|---|---|
| Test No: 32 | Profile edition No: 2 | Tool: PowerFactory | Score: 4 |
| Test files: | | | |
| Import | | Export | |
| Profile_Edition_2\Boundary MAS\6_28June2011ENTSO- E_Boundary_Set_28_June_2011_2ndEdition_EU.zip Profile_Edition_2\ENTSO- E_16\12_11July2011\ENTSOE_16_NL.zip | | ENTSO-E_2 nd _IOP_Jul2011\DigSilent\ 2nd_profile\test32\ENTSO- E_16_Pf_12J10h_NL.zip | |
| Comments/Results/Issues: | | | |
| <p>Imported files successfully;</p> <p>Coordinates and diagram checked.</p> <p>Changed the coordinates connections lines of busbar coupling (90' shape) and exported just the diagram zip file with success;</p> <p>Validated the diagram file on CimSpy without errors as shown on the snapshot file "Validation.png"</p> <p>Zip Diagram file opened on ODMS Siemens software and it shows the information correctly.</p> | | | |
| Supplementary files: | | | |
| ENTSO-E_2 nd _IOP_Jul2011\DigSilent\2nd_profile\test32\ODMS_screenshot.JPG ENTSO-E_2 nd _IOP_Jul2011\DigSilent\2nd_profile\test32\Validation.png | | | |
| Date | Vendor | Test witness | |
| | Name | Signature | Name |
| 12/jul/2011 | Christoph Schmid DISILENT |  | Nélio Machado REN |
| | | |  |

| | | | |
|---|------------------------------|---|---|
| Test No: 32-2 | Profile edition No: 2 | Tool: PowerFactory 14.1 | Score: 4 |
| Test files: | | | |
| Import | | Export | |
| Profile_Edition_2\Boundary MAS\6_28June2011ENTSO- E_Boundary_Set_28_June_2011_2ndEdition_EU.zip Profile_Edition_2\ENTSO- E_16\12_11July2011\ENTSOE_16_NL.zip | | | |
| Comments/Results/Issues: | | | |
| <p>Imported ODMS DI file successfully and official test files;</p> <p>Coordinates and diagram checked.</p> <p>The diagrams are the not completely coherent, because of different "y" coordinate direction and rotating angle.</p> | | | |
| Supplementary files: | | | |
| ENTSO-E_2nd_IOP_July2011\DIgSILENT\2nd_Profile\Test32\ODMS_Import\ ODMS_exported_entso- e_16_od_15j14h_nl.jpg ENTSO-E_2nd_IOP_July2011\DIgSILENT\2nd_Profile\Test32\ODMS_Import\ PowerFactoryImport.jpg | | | |
| Date | Vendor | Test witness | |
| | Name | Signature | Name |
| 15/jul/2011 | Christoph Schmid DiSILENT |  | Vladimir Milić EMS |
| | | |  |