

		DigSILENT PowerFactory 15.1.7	Project: Date: 4/21/2017
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Load Flow Calculation		Complete System Report: Substations, Voltage Profiles, Grid Interchange	
AC Load Flow, balanced, positive sequence	No	Automatic Model Adaptation for Convergence	No
Automatic Tap Adjust of Transformers	No	Max. Acceptable Load Flow Error for Nodes	1.00 kVA
Consider Reactive Power Limits	No	Model Equations	0.10 %

Grid: DSP		System Stage: DSP				Study Case: Study Case				Annex:		/ 1		
	rated Voltage [kV]	Bus-voltage [p.u.]	[kV]	[deg]	Active Power [MW]	Reactive Power [Mvar]	Power Factor [-]	Current [kA]	Loading [%]	Additional Data				
1														
M	20.00	1.00	20.00	0.00										
Cub_1	/Xnet	External Grid			6.35	7.87	0.63	0.29		Sk":	415.69	MVA		
Cub_1	/Lne	L 0			3.60	4.35	0.64	0.16	30.92	Pv:	239.47	kW	cLod:	0.02 Mvar L: 15.00 km
Cub_1	/Lne	Line 7			2.74	3.52	0.61	0.13	24.43	Pv:	129.50	kW	cLod:	0.02 Mvar L: 13.00 km
10														
M7	20.00	0.92	18.41	-1.20										
Cub_1	/Lod	L8			0.53	0.71	0.60	0.03		P10:	0.63	MW	Q10:	0.83 Mvar
Cub_1	/Lne	Line 8			-0.53	-0.71	-0.60	0.03	5.23	Pv:	4.09	kW	cLod:	0.01 Mvar L: 9.00 km
11														
M8	20.00	0.90	17.96	-1.67										
Cub_1	/Lod	L9			0.50	0.67	0.60	0.03		P10:	0.63	MW	Q10:	0.83 Mvar
Cub_1	/Lne	Line 10			0.50	0.42	0.77	0.02	4.65	Pv:	0.69	kW	cLod:	0.25 Mvar L: 6.00 km
Cub_1	/Lne	Line 11			0.50	0.66	0.60	0.03	5.05	Pv:	3.39	kW	cLod:	0.01 Mvar L: 8.00 km
Cub_1	/Lne	Line 9			-1.50	-1.75	-0.65	0.07	14.03	Pv:	36.08	kW	cLod:	0.01 Mvar L: 11.00 km
12														
M10	20.00	0.90	17.93	-1.68										
Cub_1	/Lod	L11			0.50	0.67	0.60	0.03		P10:	0.63	MW	Q10:	0.83 Mvar
Cub_1	/Lne	Line 10			-0.50	-0.67	-0.60	0.03	4.65	Pv:	0.69	kW	cLod:	0.25 Mvar L: 6.00 km
13														
M12	20.00	0.89	17.78	-1.80										
Cub_1	/Lod	L10			0.49	0.66	0.60	0.03		P10:	0.63	MW	Q10:	0.83 Mvar
Cub_1	/Lne	Line 11			-0.49	-0.66	-0.60	0.03	5.05	Pv:	3.39	kW	cLod:	0.01 Mvar L: 8.00 km