

Task Name	Duration	Start	Finish
2023 MDAG Model Series (Powerflow, Short Circuit, Geomagnetic) - PSS/E v35.3# - MOD v11.2 (MOD-032 East) - MDAG Manual 6.0	180 days	Mon 7/11/22	Mon 3/20/23
Data Submitters provide Powerflow (PF) and Short Circuit (SC) data updates through MOD and EDST	74 days	Mon 3/28/22	Mon 7/11/22
Data Submitter Updates (Load, Generation, MOD Commit, Transaction, Topology & Sequence Data) Due	0 days	Mon 7/11/22	Mon 7/11/22
SPP Staff send out kick-off email	0 days	Mon 7/11/22	Mon 7/11/22
Pass 0: Powerflow (PF) & Short Circuit (SC) Data (Topology, Sequence Data, Initial Generator Retirements Updates, & Year 1 and 5 MOD committed)	10 days	Mon 7/11/22	Fri 7/22/22
Pass 0: SPP Staff Lock Down MOD and EDST	10 days	Mon 7/11/22	Fri 7/22/22
SPP Staff compiles EDST/MOD data, initial dispatch information, and review projects	5 days	Mon 7/11/22	Fri 7/15/22
SPP Staff Build/Solve Pass 0 Powerflow Models	5 days	Mon 7/18/22	Fri 7/22/22
SPP Staff Post Pass 0 Models, DocuCode, and conflicting Generator Retirement List for Data Submitter Review	0 days	Fri 7/22/22	Fri 7/22/22
Pass 0 - Complete	0 days	Fri 7/22/22	Fri 7/22/22
Pass 1 - Coordinate & Submit Load, Generation, Transaction, Topology, SC Data, Geomagnetic Data Updates	70 days	Mon 7/25/22	Fri 10/28/22
Data Submitters review Pass 0 models and submit load, generation, transaction, topology and SC data updates through MOD and EDST for use in Pass 1 - Trial 1 Models	15 days	Mon 7/25/22	Fri 8/12/22
Data Submitter Updates (Load, Generation, Transaction, Topology & Sequence Data) Due	0 days	Fri 8/12/22	Fri 8/12/22
Pass 1-Trial 1: SPP Staff Lock Down MOD and EDST	20 days	Mon 8/15/22	Fri 9/9/22
SPP Holidays - Labor Day	1 day	Mon 9/5/22	Mon 9/5/22
SPP Staff compiles EDST/MOD data, dispatch information, and review projects	4 days	Tue 8/16/22	Fri 8/19/22
SPP Staff Build/Solve Pass 1 - Trial 1 Powerflow Models	15 days	Mon 8/22/22	Fri 9/9/22
SPP Staff Review/Build Pass 1 - Trial 1 Short Circuit Models	5 days	Mon 9/5/22	Fri 9/9/22
SPP Staff Post Pass 1 - Trial 1 PF and SC models, Report Card, Retirement List, DocuCode, and Geomagnetic Data for Data Submitter Review	0 days	Fri 9/9/22	Fri 9/9/22
Data Submitters review Pass 1 - Trial 1 models and submit PF and SC data updates through MOD and EDST for use in Pass 1 - Trial 2 Models	15 days	Mon 9/12/22	Fri 9/30/22
Data Submitter Updates (Load, Generation, Transaction, Topology & Sequence Data) Due	0 days	Fri 9/30/22	Fri 9/30/22
Pass 1-Trial 2: SPP Staff Lock Down MOD and EDST	20 days	Mon 10/3/22	Fri 10/28/22
SPP Staff compiles EDST/MOD data, dispatch information, and review projects	5 days	Mon 10/3/22	Fri 10/7/22
SPP Staff Build/Solve Pass 1 - Trial 2 Powerflow Models	15 days	Mon 10/10/22	Fri 10/28/22
SPP Staff Review/Build Pass 1 - Trial 2 Short Circuit Models	5 days	Mon 10/24/22	Fri 10/28/22
SPP Staff Post Pass 1 - Trial 2 PF and SC models and DocuCode for Data Submitter Review	0 days	Fri 10/28/22	Fri 10/28/22
Pass 1 - Complete	0 days	Fri 10/28/22	Fri 10/28/22
Pass 2: (Last Chance for Generator Additions & Retirements, Loads and Interchange)	73 days	Mon 10/31/22	Fri 2/10/23
Data Submitters review Pass 1 - Trial 2 models and submit PF and SC data updates through MOD and EDST for use in Pass 2 - Trial 1 Models	20 days	Mon 10/31/22	Fri 11/25/22
SPP incorporate 2021 AG1 Transmission Service updates into EDST	4 days	Mon 11/21/22	Fri 11/25/22
SPP Holidays - Thanksgiving days	2 day	Thu 11/24/22	Fri 11/25/22
Data Submitters provide Transmission Service Inputs (AG1) Data, review Pass 2 models/data submission through MOD, Final update load and generation (Pmax, Pmin, retirement) reports/reconcile transaction discrepancies	0 days	Fri 11/25/22	Fri 11/25/22
Data Submitters provide Geomagnetic Model Updates	0 days	Fri 11/25/22	Fri 11/25/22
SPP Staff for Pass 2 Lock Down MOD and EDST	35 days	Mon 11/28/22	Mon 1/16/23
SPP Staff compiles EDST/MOD data, dispatch information, and review projects	5 days	Mon 11/28/22	Fri 12/2/22
SPP Staff Build/Solve Pass 2 Powerflow models (Merge with latest MMWG models)	29 days	Mon 11/28/22	Fri 1/6/23
SPP Holidays - Christmas days	2 days	Thu 12/22/22	Sun 12/25/22
SPP Holidays - New Years days	1 day	Mon 1/2/23	Mon 1/2/23
SPP Holidays - Dr. Martin Luther King, Jr. Day	1 day	Mon 1/16/23	Mon 1/16/23
SPP Staff Post Pass 2 - Trial 1 PF and SC models and DocuCode for Data Submitter Review	0 days	Fri 1/6/23	Fri 1/6/23
Data Submitters review Pass 2 - Trial 1 models, provide Final Transmission Service Inputs (AG1) Data and submit PF and SC data updates through MOD and EDST for use in Pass 2 - Trial 2 Models	10 days	Mon 1/9/23	Fri 1/20/23
MDAG Face-to-Face Meeting	2 days	Tue 1/10/23	Wed 1/11/23
SPP Staff for Pass 2 - Trial 2 Lock Down MOD and EDST	10 days	Mon 1/23/23	Fri 2/3/23
SPP Staff compiles EDST/MOD data, dispatch information, and review projects	5 days	Mon 1/23/23	Fri 1/27/23
SPP Staff Build/Solve Pass 2 Powerflow models	10 days	Mon 1/23/23	Fri 2/3/23
SPP Staff Review/Build Pass 2 Short Circuit Models (Merge with latest SERC SC Models)	5 days	Mon 2/6/23	Fri 2/10/23
SPP Staff Post Pass 2 PF and SC models and DocuCode for Data Submitter Review	0 days	Fri 2/10/23	Fri 2/10/23
Pass 2 - Complete	0 days	Fri 2/10/23	Fri 2/10/23
FINAL PASS (Final Generation Dispatch, DocuCheck Issues and Topology Updates, Voltage Schedule Review)	31 days	Mon 2/13/23	Mon 3/27/23
Data Submitters Review Pass 2 Models; Submit PF and SC corrections through MOD and EDST for use in the Final Pass Models	10 days	Mon 2/13/23	Fri 2/24/23
Data Submitters submit FINAL Generation Dispatch, DocuCheck Corrections and Topology data updates through MOD and EDST	0 days	Fri 2/24/23	Fri 2/24/23
Member/Stakeholder Holidays - Presidents' Day	0 days	Mon 2/20/23	Mon 2/20/23
SPP Staff Build/Solve Final Pass Powerflow Models	10 days	Mon 2/27/23	Fri 3/10/23
SPP Staff Review/Build Final Pass Short Circuit Models	5 days	Mon 3/13/23	Fri 3/17/23
SPP Staff Post Final PF and SC models and DocuCode for Data Submitter Review	0 days	Fri 3/17/23	Fri 3/17/23
Finalization - MDAG Net Conference to Vote and Approve 2023 MDAG Powerflow Models as Final	0 days	Mon 3/20/23	Mon 3/20/23
Finalization - TWG to Vote and Approve 2024 ITP Powerflow Models as Initial-Final	0 days	TBD	TBD
Finalization - MDAG Net Conference to Vote and Approve 2023 MDAG Short Circuit Models as Final	0 days	Mon 3/20/23	Mon 3/20/23
Finalization - TWG to Vote and Approve 2024 ITP Short Circuit Models as Initial-Final	0 days	TBD	TBD

Model Build Schedule Color Identifier
Orange: SPP Staff Lock Down Model on Demand and Engineering Data Submission Tool
Green: Data Submitters Review
Red: Data Submitters Updates Due
Black: SPP Powerflow Build
Blue: Short Circuit Build
Black Italic: SPP Posting or Pass Completion
Purple: MDAG Potential Face-to-Face Meeting
Green Italic: Final SPP Staff / Member Conference Call Vote and Approval

2022 Series MDAG/2023 ITP Model Selection
Red: MMWG Models
Black: MDAG and ITP Models- Posted on GlobalScape

Abbreviation	Description
MDAG PF	MDAG Powerflow
MDAG SC	MDAG Short Circuit
MDAG DYN	MDAG Dynamics
ITP BR PF	ITP Base Reliability Powerflow
ITP MPM F1	ITP MPM Future 1 (TBD)
ITP MPM F2	ITP MPM Future 2 (TBD)
ITP MEM F1	ITP MEM Future 1
ITP MEM F2	ITP MEM Future 2
ITP BR SC	ITP Base Reliability Short Circuit

Modeling data shall be submitted per this schedule. For data submittals due on a Friday, data submission is allowed through the weekend until Monday at 8:00 AM. If that Monday falls a SPP Holiday, data submissions are due on Tuesday by 8:00 AM. SPP may extend the data submittal periods in the schedule, if the SPP Models On Demand and Engineering Data Submittal Tool (EDST) web portals suffer technical difficulties during the data submittal periods identified in the Schedule

2023 Series MDAG / 2024 ITP Model Selection											
Year Definition	Year	Season	MDAG PF	MDAG SC	MDAG DYN	ITP BR PF	ITP MPM F1 (TBD)	ITP MPM F2 (TBD)	ITP MEM F1	ITP MEM F2	ITP BR SC
1	2024	Light Load	1		1						
1	2024	Spring	1								
1	2024	Summer	*1	1	1	1					
1	2024	Fall	1			1					
1	2024	Winter	*1		1	1					
2	2025	Light Load	1			1	1				
2	2025	Spring	1			1					
2	2025	Summer	1		1	1	1		1		1
2	2025	Fall				1					
2	2025	Winter	1			1					
3	2026	Light Load	1		1						
3	2026	Summer	1		1						
5	2028	Light Load	1		1	1	1	1			
5	2028	Summer	1	1	1	1	1	1	1	1	1
5	2028	Summer Shoulder	1								
5	2028	Winter	1		1	1					
10	2033	Light Load				1	1	1			
10	2033	Summer	1		1	1	1	1	1	1	1
10	2033	Winter	1		1	1					
Stakeholder Reviewed		62	17	2	11	14	6	4	3	2	3

2022 MDAG / 2023 ITP Models - MOD/EDST Data Submissions					
Year	Season	Load Profile	Generation Profile Review	Topology	Transactions
2024	Light Load	Yes	Yes	Yes	Yes
2024	Spring	Yes	Yes	Yes	Yes
2024	Summer	Yes	Yes	Yes	Yes
2024	Fall	Yes	Yes	Yes	Yes
2024	Winter	Yes	Yes	Yes	Yes
2025	Light Load	Yes	Yes	Yes	Yes
2025	Spring	Yes	Yes	Yes	Yes
2025	Summer	Yes	Yes	Yes	Yes
2025	Fall	Yes	Yes	Yes	Yes
2025	Winter	Yes	Yes	Yes	Yes
2026	Light Load	Yes	Yes	Yes	Yes
2026	Summer	Yes	Yes	Yes	Yes
2028	Light Load	Yes	Yes	Yes	Yes
2028	Summer	Yes	Yes	Yes	Yes
2028	Summer Shoulder	Yes	Yes	Yes	Yes
2028	Winter	Yes	Yes	Yes	Yes
2033	Light Load	Yes	Yes	Yes	Yes
2033	Summer	Yes	Yes	Yes	Yes
2033	Winter	Yes	Yes	Yes	Yes