

Task Name	Duration	Start	Finish
2017 MDWG Model Series (Powerflow, Short Circuit, Dynamics) - PSS/E 33.7 - MOD 8.1.0.1	299 days	Mon 6/27/16	Thu 8/17/17
June - Staff/Member Conference Call	1 day	Mon 6/27/16	Mon 6/27/16
July (Pass 0)	19 days	Tue 7/5/16	Fri 7/29/16
Pass 0 - Member and SPP Staff reconciliation/collaboration of Area Summary workbook	14 days	Tue 7/5/16	Fri 7/22/16
Pass 0 - Member Area Summary Workbooks due	0 days	Fri 7/22/16	Fri 7/22/16
Pass 0 - Staff/Member Conference Call	1 day	Wed 7/13/16	Wed 7/13/16
Pass 0 - SPP Staff compile Area Summary workbooks	5 days	Mon 7/25/16	Fri 7/29/16
Pass 0 - Topology Model (unsolved) & Member Area Summary workbook posted	0 days	Fri 7/29/16	Fri 7/29/16
2017 MDWG Powerflow Models	135 days	Mon 8/1/16	Fri 9/2/17
Pass 1	25 days	Mon 8/1/16	Fri 9/2/16
Pass 1 - Member Review Pass 0 Model/Data Submission	10 days	Mon 8/1/16	Fri 8/12/16
Pass 1 - Member Area Summary Workbooks due	0 days	Fri 8/12/16	Fri 8/12/16
Pass 1 - SPP Staff/Member Conference Call	1 day	Fri 8/5/16	Fri 8/5/16
Pass 1 - Lock Down MOD	15 days	Mon 8/15/16	Fri 9/2/16
Pass 1 - SPP Staff Review of Member Data Submissions	10 days	Mon 8/15/16	Fri 8/26/16
Pass 1 - SPP Staff Builds Pass 1 Powerflow Models (Merge with MMWG Current or Prior year)	5 days	Mon 8/29/16	Fri 9/2/16
Pass 1 - SPP Staff Posts Pass 1 Powerflow Models/Docucheck Corrections Needs Workbook	0 days	Fri 9/2/16	Fri 9/2/16
Pass 2	25 days	Mon 9/5/16	Fri 10/7/16
Pass 2 - Member Review Pass 1 Powerflow Models/Data submission	15 days	Mon 9/5/16	Fri 9/23/16
Pass 2 - Member Area Summary Workbooks due	0 days	Fri 9/23/16	Fri 9/23/16
Pass 2 - Model Update Meeting	3 days	Tue 9/20/16	Thu 9/22/16
Pass 2 - Lock Down MOD	10 days	Mon 9/26/16	Fri 10/7/16
Pass 2 - SPP Staff Review of Member Data Submissions	5 days	Mon 9/26/16	Fri 9/30/16
Pass 2 - SPP Staff Builds Pass 2 Powerflow Models	5 days	Mon 10/3/16	Fri 10/7/16
Pass 2 - SPP Staff Posts Pass 2 Powerflow Models/Docucheck Corrections Needs Workbook	0 days	Fri 10/7/16	Fri 10/7/16
Pass 3 (Loads & Interchange Locked Down)	30 days	Mon 10/10/16	Fri 11/18/16
Pass 3 - Member Review Pass 2 Powerflow Models/Data submission	10 days	Mon 10/10/16	Fri 10/21/16
Pass 3 - Member Area Summary Workbooks due	0 days	Fri 10/21/16	Fri 10/21/16
Pass 3 - SPP Staff/Member Conference Call	1 day	Fri 10/14/16	Fri 10/14/16
Pass 3 - Lock Down MOD	20 days	Mon 10/24/16	Fri 11/18/16
Pass 3 - SPP Staff Review of Member Data Submissions	10 days	Mon 10/24/16	Fri 11/4/16
Pass 3 - SPP Staff Builds Pass 3 Powerflow Models	10 days	Mon 11/7/16	Fri 11/18/16
Pass 3 - SPP Staff Posts Pass 3 Powerflow Models/Docucheck Corrections Needs Workbook	0 days	Fri 11/18/16	Fri 11/18/16
Pass 4	41 days	Mon 11/21/16	Mon 1/16/17
Pass 4 - Member Review Pass 3 Powerflow Models/Data submission	15 days	Mon 11/21/16	Fri 12/9/16
Pass 4 - SPP Staff/Member Conference Call	1 day	Fri 12/2/16	Fri 12/2/16
Pass 4 - Lock Down MOD	25 days	Mon 12/12/16	Fri 1/13/17
Pass 4 - SPP Staff Review of Member Data Submissions	15 days	Mon 12/12/16	Fri 12/30/16
Pass 4 - SPP Staff Builds Pass 4 Powerflow Models	11 days	Mon 1/2/17	Mon 1/16/17
Pass 4 - SPP Staff Posts Pass 4 Powerflow Models/Docucheck Corrections Needs Workbook	0 days	Mon 1/16/17	Mon 1/16/17
Pass 5	14 days	Tue 1/17/17	Fri 2/3/17
Pass 5 - Member Review Pass 4 Powerflow Models/Data submission	5 days	Tue 1/17/17	Mon 1/23/17
Pass 5 - SPP Staff/Member Conference Call	1 day	Fri 1/13/17	Fri 1/13/17
Pass 5 - Lock Down MOD	9 days	Tue 1/24/17	Fri 2/3/17
Pass 5 - SPP Staff Review of Member Data Submissions	4 days	Tue 1/24/17	Fri 1/27/17
Pass 5 - SPP Staff Builds Pass 5 Powerflow Models	5 days	Mon 1/30/17	Fri 2/3/17
Pass 5 - SPP Staff Posts Pass 5 (Final) Powerflow Models/Docucheck Corrections Needs Workbook	0 days	Fri 2/3/17	Fri 2/3/17
2017 MDWG Short Circuit Models	55 days	Mon 11/21/16	Fri 2/3/17
Pass 1	41 days	Mon 11/21/16	Mon 1/16/17
Pass 1 - SPP Staff Builds Pass 1 Short Circuit Models	41 days	Mon 11/21/16	Mon 1/16/17
Pass 1 - SPP Staff Posts Pass 1 Models/Docucheck Corrections Needs Workbook	0 days	Mon 1/16/17	Mon 1/16/17
Pass 2 - Final	14 days	Tue 1/17/17	Fri 2/3/17
Pass 2 - SPP Staff Builds Pass 2 Short Circuit Models	14 days	Tue 1/17/17	Fri 2/3/17
Pass 2 - SPP Staff Posts Pass 2 (Final) Short Circuit Models/Docucheck Corrections Needs Workbook	0 days	Fri 2/3/17	Fri 2/3/17
2017 MDWG Powerflow/Short Circuit Model Finalization	5 days	Mon 2/6/17	Fri 2/10/17
Final	5 days	Mon 2/6/17	Fri 2/10/17
Members Review for Finalization of 2017 Series MDWG Powerflow & Short Circuit Models	5 days	Mon 2/6/17	Fri 2/10/17
Finalization - Conference Call Vote	0 days	Fri 2/10/17	Fri 2/10/17
2017 MDWG DYNAMICS MODELS	168 days	Fri 1/13/17	Tue 9/5/17
MMWG 2016 Series Dynamic Models	1 day	Fri 1/13/17	Fri 1/13/17
Receive ERAG MMWG SDDB (Dynamics Database)	1 day	Fri 1/13/17	Fri 1/13/17
Initial Data Update	40 days	Mon 1/16/17	Fri 3/10/17
Initial Data Update - Build and Post DYRE Files, Wind Farm Data, and Docuport	2 days	Mon 1/16/17	Tue 1/17/17
Initial Data Update - Members Submit Data Updates	38 days	Wed 1/18/17	Fri 3/10/17
Initial Data Update - Member Data Due	0 days	Fri 3/10/17	Fri 3/10/17
MILESTONE - Initial Data Update Complete	0 days	Fri 3/10/17	Fri 3/10/17
Powerflow Adjustments	25 days	Tue 3/21/17	Mon 4/24/17
Powerflow Updates	17 days	Tue 3/21/17	Wed 4/12/17
Wind Farm Topology and GI Updates	8 days	Thu 4/13/17	Mon 4/24/17
DYRE File Creation	16 days	Mon 4/3/17	Mon 4/24/17
Create Master DYRE File	15 days	Mon 4/3/17	Fri 4/21/17
QC - Master DYRE File	1 day	Mon 4/24/17	Mon 4/24/17
Dynamic Case Adjustments	60 days	Mon 2/27/17	Fri 5/19/17
Update SDDB (ERAG/MMWG Dynamic Database)	41 days	Mon 2/27/17	Mon 4/24/17
Duplicate Models	14 days	Wed 4/5/17	Mon 4/24/17
Generator Data Checks	12 days	Fri 4/7/17	Mon 4/24/17
SDDB Governor Limits and Small Time Constant Reset	11 days	Mon 4/10/17	Mon 4/24/17
WMOD/Generac WTG Checks	9 days	Wed 4/12/17	Mon 4/24/17
CONL & GNET Files Updates	7 days	Fri 4/14/17	Mon 4/24/17
Post Member Feedback for Dynamic Data & Case Issues	0 days	Mon 4/24/17	Mon 4/24/17
Combine Powerflow with DYRE file	13 days	Mon 4/24/17	Wed 5/10/17
Members Submit Data Updates	15 days	Fri 4/21/17	Thu 5/11/17
Member Data Due	0 days	Thu 5/11/17	Thu 5/11/17
Process SPP Member Updates	6 days	Fri 5/12/17	Fri 5/19/17
Dynamic Case Initialization	14 days	Mon 5/22/17	Thu 6/8/17
Case & Dyre File Corrections based on Initialization Messages	14 days	Mon 5/22/17	Thu 6/8/17
Build Final Models	26 days	Fri 6/9/17	Fri 7/14/17
20 Second No-fault Test & Case Adjustment	4 days	Fri 6/9/17	Wed 6/14/17
60 Second Ring-Down Test & Case Adjustment	4 days	Thu 6/15/17	Tue 6/20/17
NERC B&C Faults Test & Case Adjustment	4 days	Wed 6/21/17	Mon 6/26/17
Dynamic Case Reduction	14 days	Tue 6/27/17	Fri 7/14/17
Dynamic Case Review and Finalization	37 days	Mon 7/17/17	Tue 9/5/17
Post Initial Models	5 days	Mon 7/17/17	Fri 7/21/17
Member Review of Initial Models	10 days	Mon 7/24/17	Fri 8/4/17
Member Data Due	0 days	Fri 8/4/17	Fri 8/4/17
Final Data Update - Build Final Models	10 days	Mon 8/7/17	Fri 8/18/17
Post Final Models	1 day	Mon 8/21/17	Mon 8/21/17
Member Review for Finalization of Dynamic Models	10 days	Tue 8/22/17	Mon 9/4/17
Finalization - Conference Call Vote	1 day	Tue 9/5/17	Tue 9/5/17

2017 Series Model Selection				
MDWG				
Year	Season	Power Flow Model	Dynamic Model	Short Circuit Model
2017	Spring	X		
2017	Summer	X		X
2017	Summer Shoulder	X		
2017	Fall	X		
2017	Winter	X		
2018	Light Load	X	X	
2018	Spring	X	X	
2018	Summer	X	X	X
2018	Fall	X		
2018	Winter	X	X	
2019	Light Load	X		
2019	Spring	X		
2019	Summer	X	X	
2019	Winter	X		
2022	Light Load	X	X	
2022	Summer	X	X	X
2022	Summer Shoulder	X		
2022	Winter	X	X	
2027	Summer	X	X	
2027	Winter	X	X	

MDWG: Model Development Working Group
ERAG MMWG: Eastern Interconnection Reliability Assessment Group
Multiregional Modeling Working Group

X = MMWG
*MMWG 2017 Series is based off of 2016 Series rolled up by 1 year

PSS/E Version 33.7
MOD Version 8.1.0.1