

Welcome

Welcome to the Uniform EM&V Methods Project Steering Committee Meeting June 12, 2014

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Uniform EM&V Methods Project Steering Committee Meeting



**Protocol Acceptance
What's Next?**

June 11, 2014

Agenda

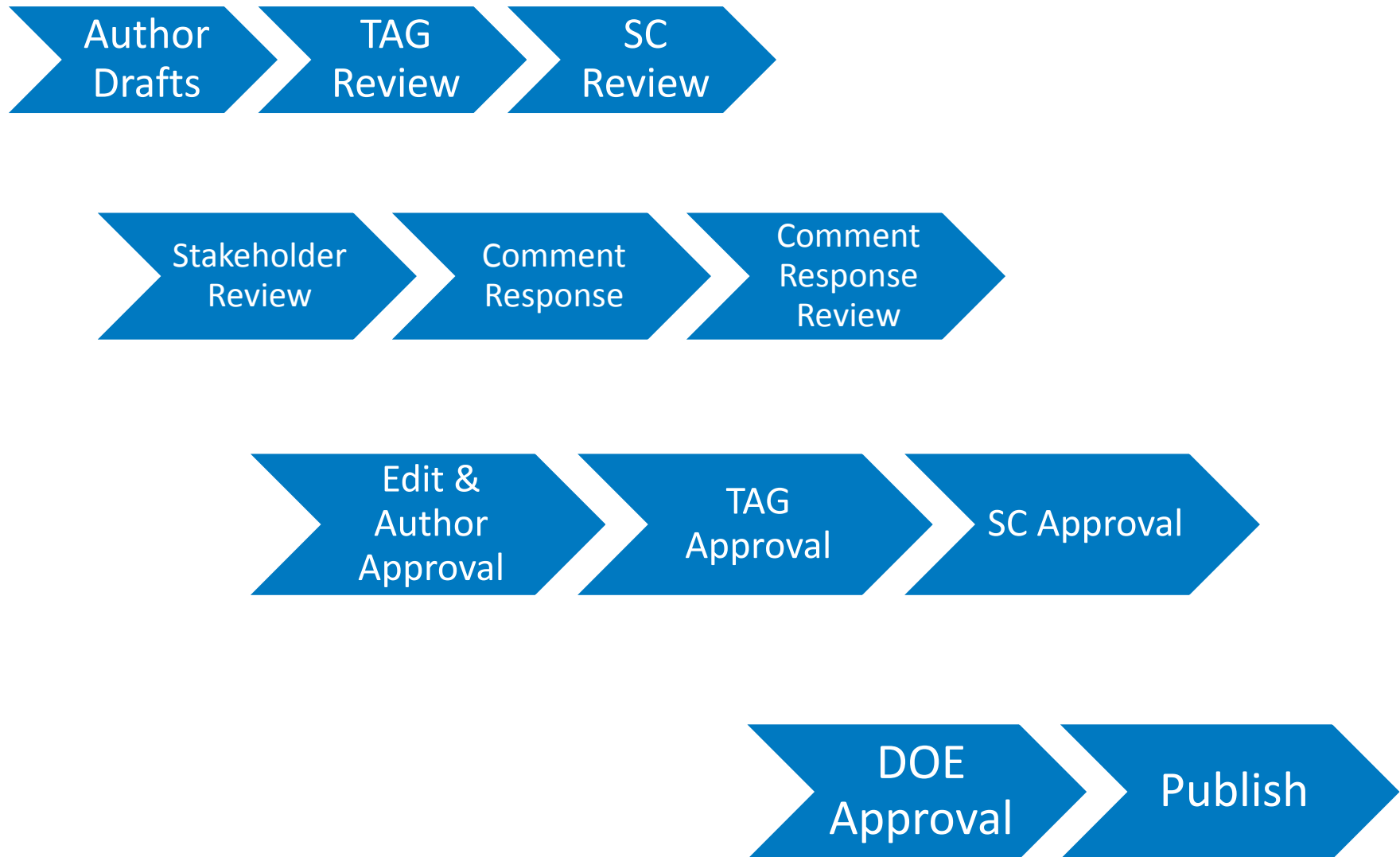
- 12:30 - 12:35: Roll call
- 12:35 - 12:45: Project status & adoption update
- 12:45 - 1:05: Protocol approval process
- 1:05 - 1:25: Phase 3: What's next?
- 1:25 - 1:30: Closing Discussion & Next Steps

Note: Times are Eastern

Project Status Update

- Adoption updates
 - Hawaii TRM Pilot
 - Stakeholder Interviews
 - Recap of NEEP Summit
 - Updates from Steering Committee

Protocol Development Process



Project Status Update: Protocol Summary

Protocol	Status	Next Step
Chillers	Steering Committee Approval	DOE Approval
Commercial New Construction	Steering Committee Approval	DOE Approval
Retrocommissioning	Steering Committee Approval	DOE Approval
Net Energy Savings	NTAG Approval Ends 6/20	Steering Committee Approval
Variable Frequency Drive Motors	Comment Response Review Ends 6/18	Edit & author approval
Compressed Air Systems	Comment Response Review Ends 6/18	Edit & author approval
HVAC Controls	Comment Response Review Ends 6/18	Edit & author approval
Data Centers	Comment Response Review Ends 6/18	Edit & author approval
Residential Behavior	Comment Response Ends 6/12	Comment Response Review
Residential Lighting	Stakeholder Review Ends 7/11	Comment Response

Protocol Development Process



Steering Committee Approval

- Consider the following
 - TAG Approval
 - Stakeholder Review
 - Tracked Changes draft on SC website

TAG Approval

“When using the measurement and verification approach for impact evaluation of programs with measures covered by UMP, formally consider the UMP protocols and adjust as needed for your program(s). In addition, use information in the cross-cutting sections as resources.”

- Chillers
- Commercial New Construction
- Retrocommissioning

- Affirmative response from 4 of 8 TAG members
- Silence is acquiescence

Stakeholder Review

	Chillers	Commercial New Construction	Retrocommissioning
Number of Commenters	5	5	7
Number of Comments	21	16	30
Accepted	7	1	4
Accepted with Modification	6	9	6
Rejected	8	6	20

Comment Response Spreadsheets

- [Chillers](#)
- [Commercial New Construction](#)
- [Retrocommissioning](#)

Tracked Changes Version

- Comparison of the following versions
 - Original sent to Stakeholder Review
 - Post TAG approval
- Visit website
 - http://www.nrel.gov/extranet/ump/draft_protocols.html

Steering Committee Approval

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What's Next?

Phase 3

- Adoption
- Are there protocols that are missing?
- What existing protocols to update, and on what time line?

Next Steps

- Steering Committee approval of
 - Chillers
 - Commercial New Construction
 - Retrocommissioning
- Requested by
 - Friday, June 20, 2014

Project Team

U.S. Department of Energy

- Michael Li
michael.li@hq.doe.gov

National Renewable Energy Laboratory

- Chuck Kurnik
chuck.kurnik@nrel.gov
- Kosol Kiatreungwattana
kosol.kiatreungwattana@nrel.gov

The Cadmus Group

- Tina Jayaweera
tina.jayaweera@cadmusgroup.com
- Clover Lee
you-young.lee@cadmusgroup.com
- Hossein Haeri
hossein.haeri@cadmusgroup.com