

IEEE Std. 1547-2018 implementation timeline

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Oct 1-2 PJM DER Ride Through Workshop

Q3/2017 - Interim ride-through-compliant inverters commercially available (“UL1741SA”)

2015 - Q2/2018 – IEEE Std. 1547-2018 complete

2015 – Q2/2018 – MA interim ride through req’t in effect

Q4/2019 – PJM stakeholder-endorsed profile for DER ride through and trip published

~2021 - Full IEEE Std. 1547-2018-compliant inverters commercially available*

**Requires completion of revisions to IEEE Std. 1547.1 “testing procedure” standard, a new UL1741 “type testing methods” standard, manufacturer design changes, and manufacturer type testing and certification.*



PJM DER Ride Through Task Force – Targeted Timeline

Oct 2018 – PJM DER Ride Through Workshop

Q4/2018 - PJM “DER Ride Through Task Force” chartered*

Q4/2018 – Q3/2018 –DERRTTF to hold 2x monthly brief meetings/teleconferences & quarterly part-day meetings

~Q4/2019 – PJM rules updated to include stakeholder-endorsed profile for DER ride through and trip

~Q4/2019 – PJM stakeholder-endorsed profile for DER ride through and trip published

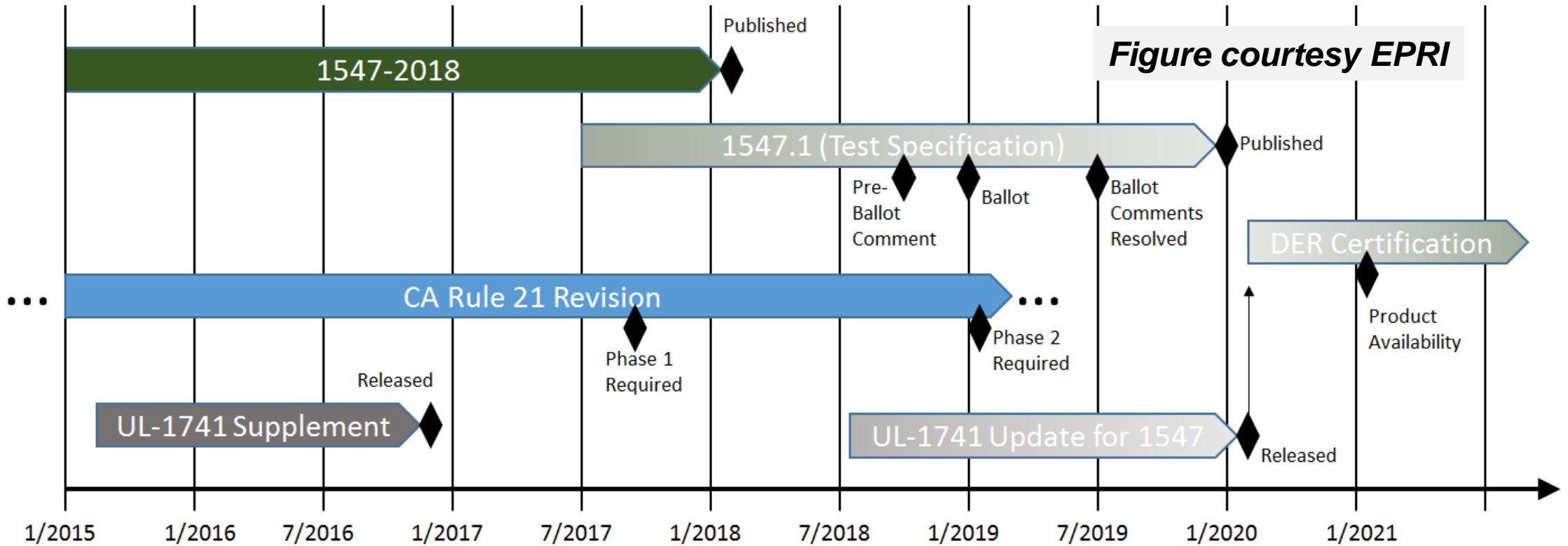
**Draft DERRTTF Issue Charge and Problem Statement to be posted to Oct 11 Planning Committee:
<https://www.pjm.com/committees-and-groups/committees/pc.aspx>*

- Maryland – “PC-44” Interconnection Working Group Phase II
- Ohio – review of administrative rules for small generator interconnection service, Case no. [18-0884-EL-ORD](#)

Outside PJM

- MN, ISO-NE states

- PJM providing regular updates to Mid-Atlantic Distributed Resources Initiative on the status of DER Ride Through discussions.
- MADRI composed of local regulatory staff, utilities, and other stakeholders interested in distributed resources.
- <http://www.madrionline.org/>



- **UL 1741** Standard for Safety for Inverters, Converters, Controllers and Interconnection System Equipment for Use With Distributed Energy Resources
 - Second edition dated January 28, 2010
 - UL 1741 revised as of September 7, 2016 to incorporate new supplement “SA”
- **UL 1741 SA** defines the req’ts for “Grid Support Utility Interactive Inverters”
- These inverters have the capabilities required by California Rule 21 and that meet ISO-NE interim needs
- As of September 9, 2017 inverter-based generation in California is required to be certified as meeting UL 1741 SA