

# Comparison of Screening Criteria: pre- & post-10/2020

## Preliminary Screens

Subject/Objective	Old P#	New P#	Comparison
Interconnection to secondary networks	P1	P1	Unchanged
Ground source provided by DER	P2	P2	Unchanged
Size of DER relative to secondary service	P3	P3	Unchanged
Reference point of applicability at POI (per IEEE1547-2018)		P4	New, necessary to evaluate compliance with IEEE 1547-2018
Certified equipment	P4	P5	Screen criteria unchanged, in case of failure now subject to Design Review, previously was total rejection
Substation penetration > 80% (transmission 3V0 limitation)	P5	P6	Unchanged
Phase balance	P6	P7	Unchanged
Service via a long (>1000') lateral	P7	P8	Unchanged
Feeder penetration > 70% (Feeder 3V0)		P9	New, was previously superseded by a more stringent 50% DTT requirement

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## Preliminary Screens

Subject/Objective	Old P#	New P#	Comparison
Feeder penetration > 50% (Reclosing coordination)	P8	P10	Previously required DTT, no only applies if feeder reclose delay < 2.5 seconds
Synchronous generator penetration >20% on feeder (Feeder 3V0)		P11	New, Relatively obscure situation
Substation penetration > 25% of <u>transformer rating</u>		P12	New. Effectively, usually not more stringent than 80% penetration on <u>minimum load</u> basis
Dedicated distribution transformer	P9	P13	Unchanged

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## Supplemental Screens

Subject/Objective	Old S#	New S#	Comparison
Means of avoiding out-of-phase reclosing	S1		Deleted, covered in preliminary screens
Feeder voltages > ANSI C84.1 Range A	S2	S1	Unchanged
Feeder voltages < ANSI C84.1 Range A	S3	S2	Unchanged
Repetitive 2% voltage variations	S4	S3	Unchanged
Excessive operations of substation LTC	S5	S4	Unchanged
Simultaneous DER trips causing low voltage	S6	S5	Unchanged
DER return to service causing high voltage	S7	S6	Unchanged
Fault currents > equipment rating	S8	S7	Unchanged
DER causing load rejection overvoltage	S9	S8	Unchanged

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## Supplemental Screens

Subject/Objective	Old S#	New S#	Comparison
Feeder ground fault overvoltage (3V0)	S10	S9	Unchanged
Disruption of protection coordination	S11	S10	Unchanged
Dedicated distribution transformer	S12	S11	Unchanged
High voltage on shared secondary	S13	S12	Unchanged