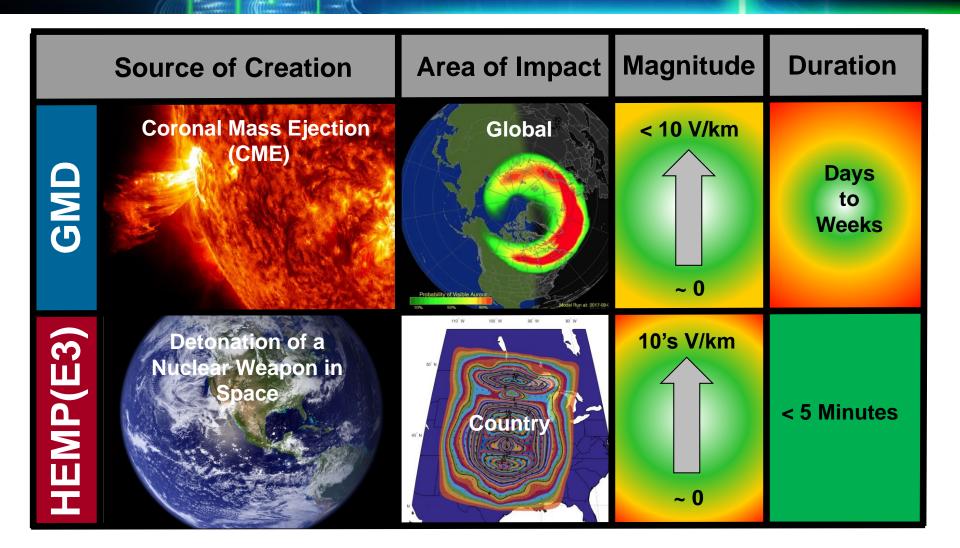


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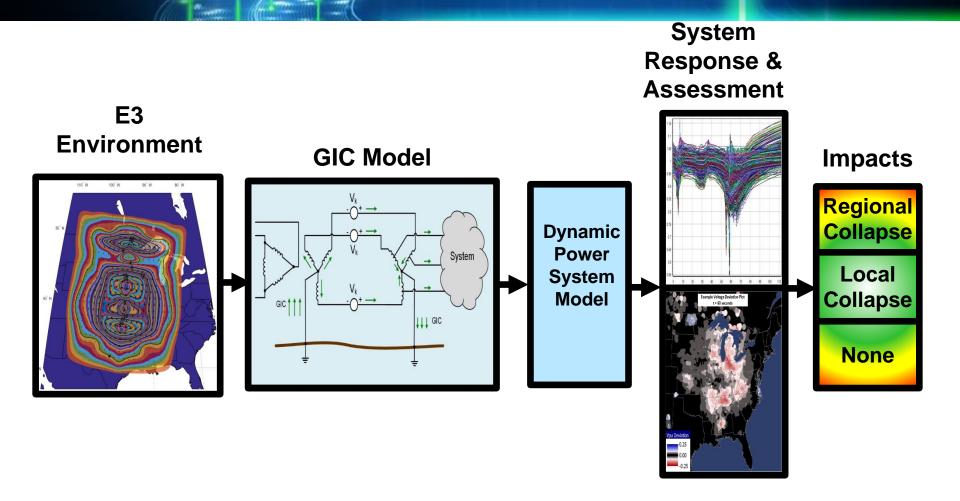


EMP: What Regulators Need to Know

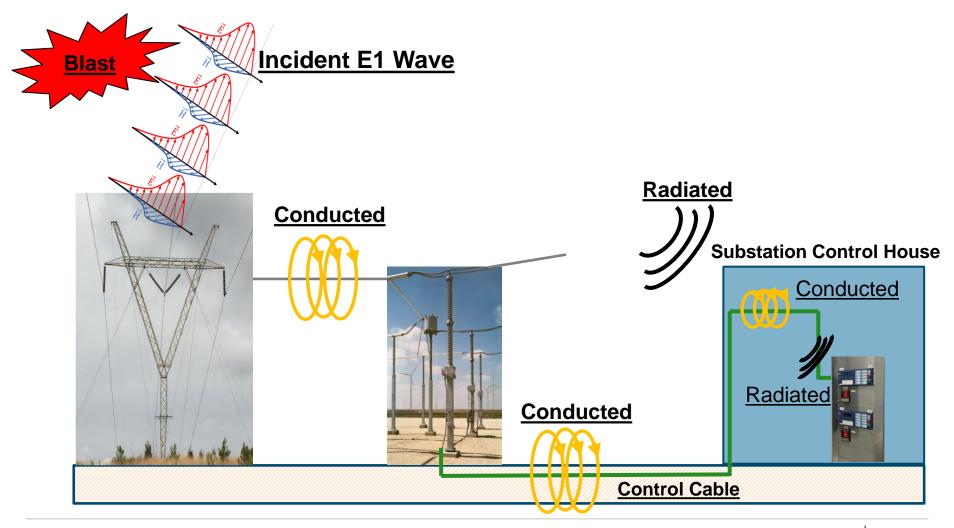
Differences Between GMD and HEMP (E3)



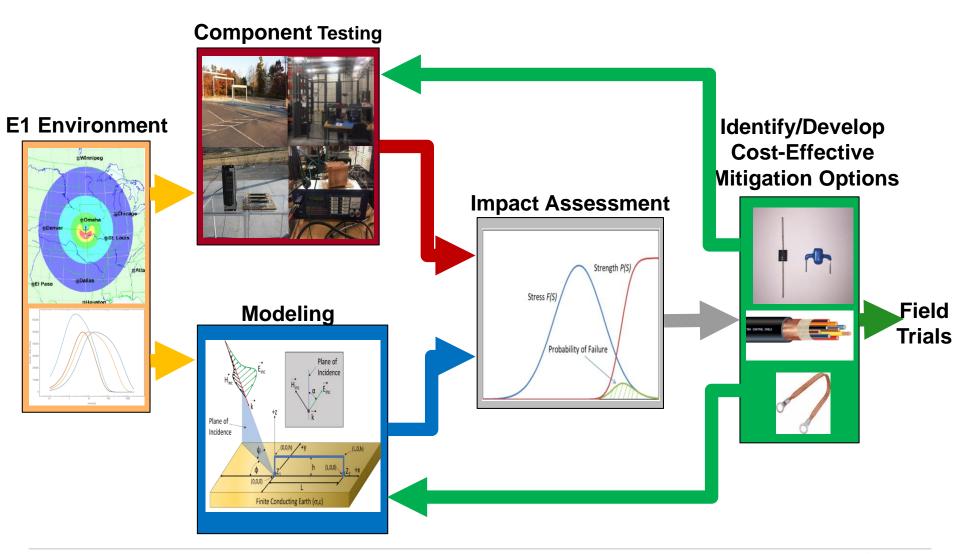
E3 Voltage Stability Assessment



E1 Damage Mechanism



E1 Threat Assessment Process (2018 Research Plan)



Component Testing and Mitigation of E1 Effects

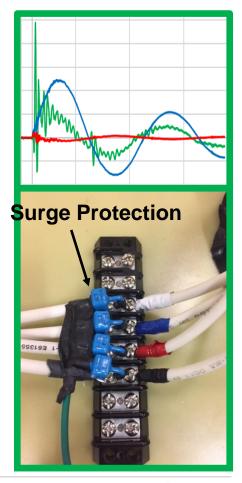
Guided Wave Testing (Radiated Threat)



Direct Injection Testing (Conducted Threat)



Mitigation







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