Request for Information on the National Cyber-Physical Systems Resilience Plan

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Comment via FDMS

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Charles Cao, █████████

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In response to the RFI on Cyber-Physical Systems Resilience, we propose a comprehensive approach to strengthen the resilience of our nation's critical infrastructure through advanced software patching techniques. Our method focuses on rapidly fixing vulnerabilities in existing systems in the binary level firmware by rewriting certain sections, without the need for complete overhauls, which is crucial for maintaining and improving the reliability of older, legacy software that many of our critical systems still rely on. By developing smart, efficient ways to update software in power grids, transportation systems, and industrial controls, we can significantly enhance their ability to withstand and recover from various disruptions, whether caused by cyber attacks, natural disasters, or human error. This approach not only addresses immediate security concerns but also provides a cost-effective way to modernize our infrastructure, ensuring that essential services remain available and reliable for all Americans, even in the face of unexpected challenges.