Vulnerability Alert

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Advisory on Input validations: Banking Systems

Overview	It has been discovered that some banking applications that are being used by our members are vulnerable to large threat vector due to lack of proper Input validation.
Description / Impact	• Due to recent Incidents in our member base, it has come in to our attention that some of the banking applications that are being used by our members, does not validate user inputs properly. • It should be noted that all user inputs **SHOULD** be validated at the backend, regardless of the client-side validation. Client-side validation is considered as a convenience feature for the End User, rather than a security feature. • **These are not limited to in-house developed systems, but also in vendor developed off-the-shelf systems as well.** • Client-side validations such as done by JavaScripts are negligibly easy to bypass even to a novice attacker. • The verification should at least cover all the functions that are exposed to outside/customers. (Recommended to test for full system) • Therefore, having proper level of validation in all your solution stack is in utmost importance. Having a proper data validation will ensure your applications are protected against many threats that are actively being exploited.
Risk Reduction Recommendations	• Make sure your development teams are following Secure Coding Practices to ensure high quality code. • Perform timely code reviews with emphasis on input validations • Perform timely Vulnerability Assessments and Penetration Tests (VA & PT) • Make sure to follow up on ALL the issues that being discovered by the VA/PT • **This information is shared with related to both existing systems and newly developed/purchased systems** **You could always contact FINCSIRT for any assistance regarding Secure Coding and development.**
Disclaimer	The information provided herein is on "as is" basis, without warranty of any kind.

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