

CYBER SECURITY NOTIFICATION

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Vulnerability Summary

VAPT Team, C3i Center, IITK, UP, India, vide their notification dated 14-Sep-2019, reported following vulnerabilities in HUSKY RTU 6049-E70.

1. Unauthenticated command execution
2. Break the authentic connection of Master and Slave device. By sending malicious packet on port 2404.

Affected Products

SSS have investigated the reported vulnerabilities and identified the following products affected under this notification –

- HUSKY RTU 6049-E70, with firmware versions 5.0 and lower.

Mitigating Factors

Following recommendations shall be implemented to avoid exposure to risks outlined in this outlined in this notification –

1. Customers are encouraged to implement network segmentation and firewall policies in their network to reduce exposure of the RTU to uncontrolled and unprotected access.
2. Recommended security practices and firewall configurations can help protect an industrial control network from attacks that originate from outside the network. Such practices include that protection, control & automation systems are physically protected from direct access by unauthorized personnel, have no direct connections to the Internet, and are separated from other networks by means of a firewall system that has a minimal number of ports exposed, and others that have to be evaluated case by case. Protection, control & automation systems should not be used for Internet surfing, instant messaging, or receiving e-mails. Block all non-trusted IP communications.
3. Configure trusted IP address access (IP whitelisting) in the RTU configuration for IEC-104 protocol, so as to restrict the hosts that can access the RTU.
4. Implement passwords in the RTU to restrict access to the RTU, via Husky Studio.
5. Upgrade to firmware version 5.1.2 or higher. Consult with SSS for possible issues during upgrade, prior to implementing this recommendation.
6. If possible, setup SSL tunnel between RTU and control center to restrict access to the RTU.

The impact of the vulnerabilities above can be greatly reduced by implementing a firewall to restrict external network connectivity to the affected devices.

Acknowledgements

SSS recognizes the following researcher(s) for identifying and helping to coordinate a response to this vulnerability:

CVE	Researcher(s) Name
-	VAPT Team (C3i IITK, UP, India)

Support

For additional information and support please contact support@s3india.com for further information.