Customer Notice

October 2, 2019

RE: "Urgent/11" Vulnerabilities in Hitachi Systems

Dear Hitachi Customer:

Recently several vulnerabilities were found in the popular IPnet software used by many manufacturers and software such as widely used RTOS, VxWorks. This group of vulnerabilities have been named "Urgent/11".

Hitachi has conducted an investigation into all of our products to determine which are affected by these vulnerabilities. Only a few MRI models and our Sonicwall Firewall include the affected software.

The affected MRI models use this vulnerable software in their Image Reconstruction processors only. Affected MRI models and software versions are:

> ECHELON OVAL – v4.8A, v5.0A, v5.1A, v6.0A, and v6.1A.
> OASIS – v4.8B, v5.0C, v5.1E, v5.1F, and v6.0C.

The affected Sonicwall models, in use by Hitachi, that use the vulnerable versions of software are:

> TZ-100 v5.9.0.0 to v5.9.1.12
> TZ-105 v5.9.0.0 to v5.9.1.12
> SOHO v5.9.0.0 to v5.9.1.12

No other MR, CT, Ultrasound or Optical Topography medical devices promoted by Hitachi are affected. At this time, Hitachi has received no reported exploits of these vulnerabilities.

Hitachi Healthcare has conducted a risk assessment of the disclosed vulnerabilities in the MRI image reconstruction processors and has concluded the probability of penetration to this level of the system is extremely low. Furthermore, the harm that can be done at this level is also very low. Therefore, Hitachi has determined that no action will be necessary for these MRI models.

Hitachi will be patching the Sonicwall software for all contract & warranty customers. This patch will mitigate the vulnerabilities in the Sonicwall, which serves as an added layer of protection to improve the overall security of your system. No action is required on your part. Your service engineer will be contacting you to complete a Service Bulletin to update the Sonicwall Hitachi has installed on your modality computer.

If you have any questions on this matter, please contact Hitachi Regulatory Affairs at QualityRecords@hitachihealthcare.com .