



## USE CASE

# TROUBLESHOOTING WAVEFORM DROPS ON CARESCAPE NETWORKS

*Proactive identification of and detailed visibility into telemetry waveform dropouts eliminates blaring blinds pots experienced by today's biomedical technicians*

Healthcare Biomedical and IT professionals have been flying blind.

Network-connected telemetry devices, such as bedside monitors, communicate essential waveform data such as heart rate and other time-sensitive data across the infrastructure to central control systems and CARESCAPE monitors accessed by clinicians.

If that data is compromised in transmission, for any reason, patient care can be impacted.

Until now, there has been no easy way to monitor, analyze and proactively remediate infrastructure issues impacting the integrity of waveform data delivery across CARESCAPE networks.

## ENTER VOYANCE BY NYANSA

Purpose-built for GE CARESCAPE environments, Voyance Uniquely dissects the GE Unity protocol, surfacing detailed insights into the transmission and reception GE unity waveform packets, packet drops, RWHAT packets and sample codes.

## FEATURE FUNCTIONALITY

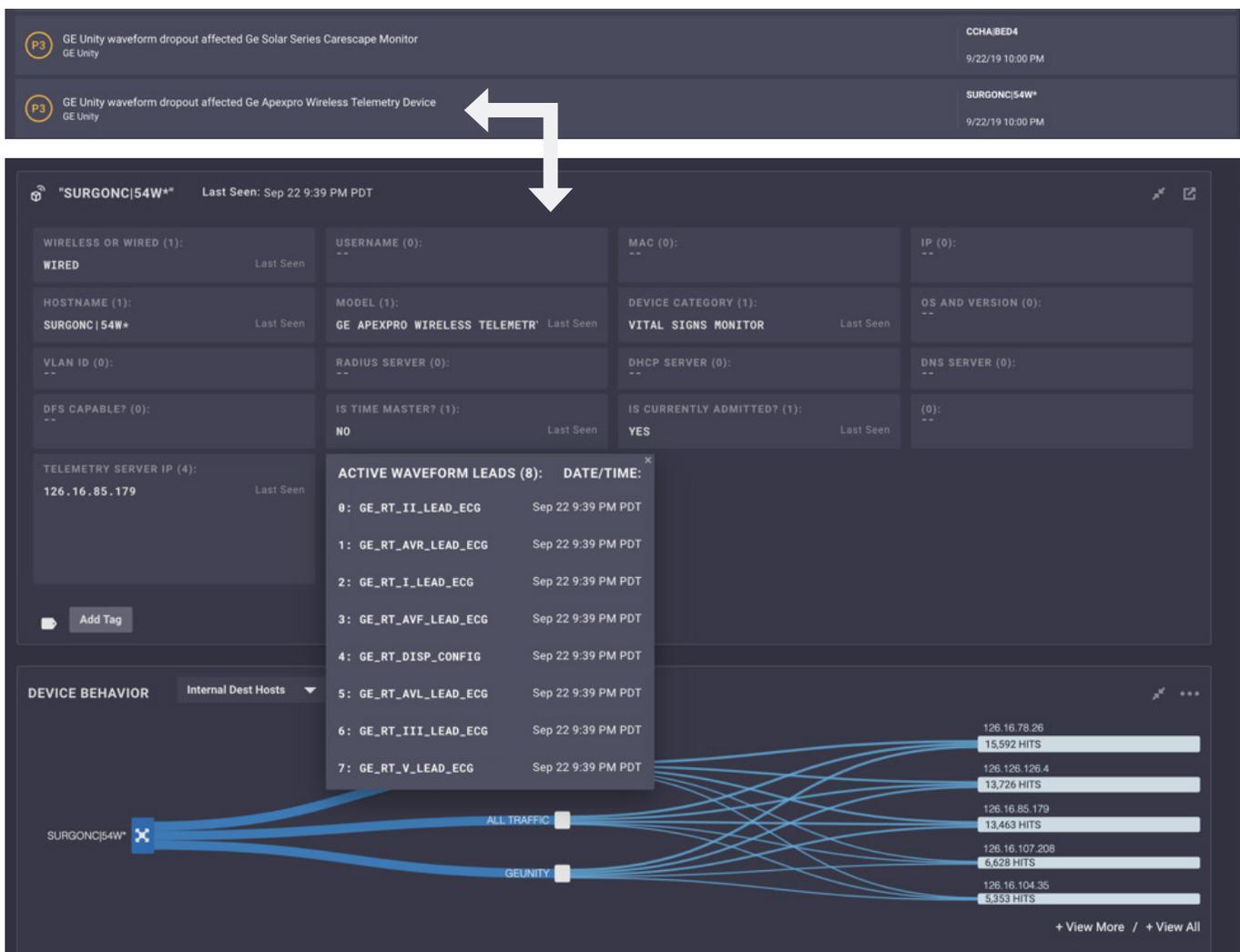
- Proactive alerts when GE devices experience telemetry data drops on the network
- Indication of the most recent telemetry drop-out incidents on a custom Biomed dashboard
- Plain English explanation of the root cause of the issue based on GE unity error codes
- Advanced baselines and patterns around when and to which devices dropout is repeatedly occurring
- Time-correlated data drill downs help quickly pinpoint root cause of waveform drops

Telemetry dropout incidents are surfaced on a Biomedical dashboard with plain English explanation of the root cause of the issue, such as detached lead.

Moreover, the Voyance Biomedical dashboard uniquely provides detailed visibility into the operational state of GE CARESCAPE network devices. This includes detailed insights including graphs around traffic protocol specific metrics, top talkers and a list of GE devices.

For any given incident, Biomedical clinicians or IT technicians can view detailed evidence to quickly correlate the raw metrics. Waveform subscription packets, sample codes and RWHAT packets are easily focused to the time of an incident or any other time.

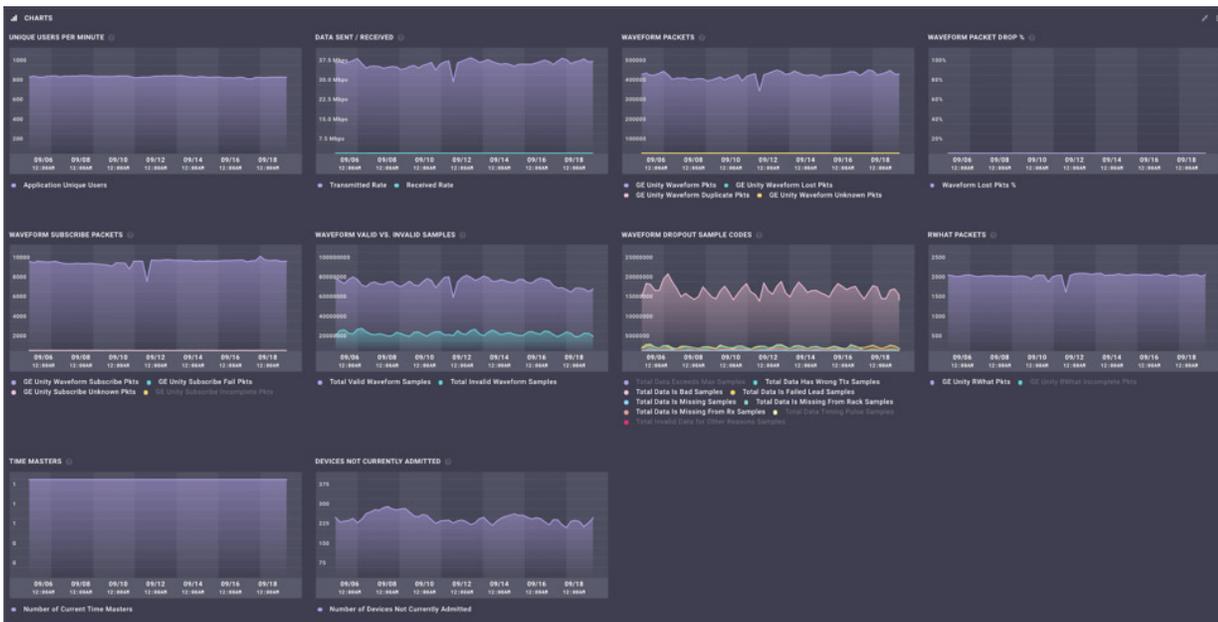
This provides a simple, fast and highly accurate way to pinpoint problems impacting the integrity of waveforms, correlating the data from other parts of the network.



Waveform issues are automatically identified and prioritized on the Biomedical dashboard. Clicking on an incident directs users to a device details page that shows device behavior and attributes, such as active waveform leads.



Advanced users data drill downs deliver time-correlated evidence surrounding waveform dropout problems.



The GE Unity application page shows detailed graphs of the time evolution of various metrics, such as the number of active devices, time masters, waveform packets & error codes and much more.