As 2018 draws to a close, we are once again reminded how lucky our team here at Global is to work together and with all of you on a series of intercommunication products we believe in. While our team looks forward to 2019, we would also like to take a moment to recall a few of our 2018 successes.

G-202 Additional Functionality
Compact and versatile, Global’s G-202 Remote Radio Unit has transformed from a simple remote radio unit to a feature-rich box full of capabilities to help you with everything from LMR to LTE migration, to terrestrial barrier solutions, to bridging in devices like SIP, and more.

Talk Permit Tone Detection with Adaptive Transmit Delay for trunked radios

Busy Channel Detection with Adaptive Transmit Delay for conventional radios

Repeater Mode with easy On/Off toggle for flexible patching

Easily integrates with all Global products, including as part of a G-408 or G-404 Expanded System

Monitor multiple G-202s with a G-SMU

Talk Permit Tone Detection with Adaptive Transmit Delay

Trunked radio systems are inherently oversubscribed and channel acquisition on the first try is not guaranteed. Traditional intercommunication systems don’t recognize when a channel isn’t acquired, but Global’s intercommunication systems do, and act accordingly.

- Detect the Talk Permit Tone
- Re-key the radio to try again if a Talk Permit Tone isn’t received the first time
- Send audio as soon as the channel is acquired using Adaptive Transmit Delay instead of a fixed delay
- Effectively eliminate the problems of latency and failure when trunked radios are patched to intercommunication systems
Busy Channel Detection

- Detect if the channel is busy
- Re-key the radio to try again, if necessary
- Send audio as soon as the channel is acquired using Adaptive Transmit Delay instead of a fixed delay
- Effectively eliminates the problems of latency and failure when conventional radios are patched to intercommunication systems

Just like trunked radio systems, conventional radio systems might not be ready when the intercommunication system tries to send communications. In this case, they will send a busy channel signal. Traditionally, intercommunication systems have not recognized this, but ours do.

Bringing Adaptive Transmit Delay Capability to Conventional Radio Systems

G-SMU Hardware Makeover

While still providing all of the key features and web-based interface of our original G-SMU, we expanded it to a more powerful 1RU hardware platform. This gives you additional horsepower, as well as a more intuitive and straightforward experience, with an LCD screen and control knob on the front. These allow you to view and reset network settings easily.

- Local communication when you want it, wide area communication when you need it
- A network appliance you plug in, connect to your network, use a standard browser to log in, and use it – no specialized maintenance or installation required
- Seamless patching over the network with unlimited talkpaths to manage audio behind the scenes
- 20 built-in virtual modules for SIP or other forms of network streaming
- Convenient overview of all connected systems’ status
- And more...

To stay the best, one must be ready to improve.
Check out our G-408, G-408R, and G-404 intercommunication systems.
How big is it? Global’s G-408 is only 1RU. It requires little electricity and since it doesn’t need fans or vents, it saves you even more space.

What about external switches? The G-408 only needs one Ethernet jack and IP address.

What “extra” do you have to buy for streaming audio? With the G-408, you don’t need extra modules. Streaming and even SIP are built in.

How hard is it to update? Software updates—and the new features they include—are free and can easily be done remotely by you.

Can I use more than one together? Yes, and with the Expanded System, you can control modules from both on a single system.

Seriously? Yes, since the operation of the system is web based, it’s easy to learn and easy to use.

Thank you firefighters and first responders!

How does your current intercommunication system compare to our G-408?

Be Ready to Do Better
Fun Facts

We enjoy putting together our Fun Facts, and this time we might have even gone a little overboard.

1. What is “Big K” and where has it been since 1889? Why will it be retired and replaced on May 20, 2019?

2. Although we can eat acorns, we usually don’t for a variety of reasons, including that they are bitter. Some varieties are more bitter than others, but in all cases what causes the bitterness is tannins. Are there more tannins at the top or the bottom of an acorn?

3. If a squirrel finds a black oak acorn, a red oak acorn and a white oak acorn, which one will he eat and which two will he bury for later because they are more bitter?

4. What object does Raleigh—where Global Communications is located—drop on December 31st at midnight to mark the arrival of the new year?

5. 2019 is the hundred-year anniversary of the Grand Canyon as a National Park. In the decade after the end of the Civil War, John Wesley Powell and his expeditions traveled down the relatively unexplored Colorado river system that carved the canyon. What they saw helped change the understanding of geology and water here on Earth. Thinking bigger, what planetary bodies in our solar system might this sort of work help us understand? (a) Mars (b) Mercury (c) our Moon (d) Titan

6. After President Garfield was shot by an assassin, Powell also worked with Simon Newcomb to try to save the President’s life by improving one of R.S. Jennings devices, making an early form of (a) air conditioning (b) anti-bacterial soap (c) metal detector (d) scalpel.

7. The geometrical growth of snowflakes, bacteria colony growth in a petri dish, minerals’ veiny dendritic patterns, and the branching pattern electricity takes when it leaps across a gap can be predicted using the work of this 18th century French mathematician. (a) Condorcet (b) Guyot (c) Laplace (d) Monge

8. Recent research suggests that in wet locations, like Florida, when a river branches into two, the angle between the two branches is just about 72 degrees. This measurement coincides with Laplacian growth. In more arid climates, where runoff rather than groundwater affects direction, the angle is not 72 degrees. Yet, it is often in the range of.... (a) 36 (b) 45 (c) 60 (d) 90 ...

9. What is the name of the probe that recently landed on Mars and that will study its “inner space”? (A) InDuct (b) InChant (c) InSight (d) InVite

Find answers to all our Fun Facts at http://www.global-comm-tech.com/newsLett.html

Thank you to everyone we have worked with this year.
We wish you and yours a successful and happy 2019!