

LEGACY WAIS UPGRADE GUIDE

JPS Wide Area Interoperability Solution (WAIS) software and the legacy JPS equipment it supports exemplified the capabilities and benefits of communications interoperability and is still being used by agencies and services around the world.

HOWEVER, WAIS IS LIMITED BY TECHNOLOGY.

- ▶ WAIS & the majority of the legacy JPS devices it supports (ACU[®]-1000/-2000/-5000/-T/-M[™], & the NXU[®]-2/-2A[™]) have reached their end of life.
- ▶ The WAIS software requires significant system knowledge, pre-planning, & implementation of static, public-facing IP addresses & port forwarding prior to initialization.
- ▶ Audio from modern communications device types, most notably Push-to-Talk over Cellular (PoC), & audio encryption is not supported.

JPS Z-SERIES DEVICES PROVIDE SEVERAL SOLUTIONS

I am using WAIS and/or legacy JPS equipment. What are my options?

Is what I have currently still sufficient?



Can I add to it?

- ▶ Reconfigure your DSP-2s to link RoIP audio from modern Z-Series devices.
- ▶ Replace NXUs with RSP-Z2s.

Note: Z-Series devices & RoIP nodes linking to them from legacy devices cannot be fully integrated into a WAIS system. These solutions work better for legacy-only systems where WAIS is not used.

What can I change?

- ▶ Upgrade to include Push-to-Talk over Cellular alongside Radio, SIP, RoIP, etc., using RSP-Z2s & ACU-Z1s.
- ▶ Simplify your wide area system management and multi-user light dispatch with the Z-Series Controller.
- ▶ Repurpose your legacy equipment.



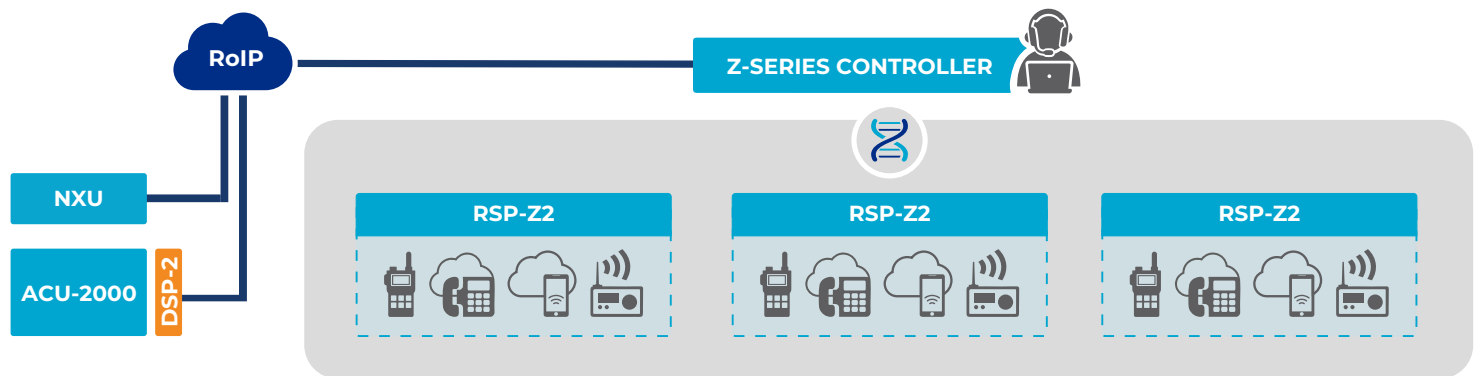
Although it is possible to continue using legacy JPS equipment and add modern RSP-Z2s or ACU-Z1s to integrate PoC, the PoC links must run through the intermediary of DSPs. That may require reallocation of DSPs.

Moreover, WAIS cannot directly control Z-Series resources, and the legacy ACU module will be limited (e.g., it cannot simultaneously be a WAIS Talkpath).



A more capable upgrade option is to build out new Z-Series systems alongside legacy devices. For example, within a region there might be three locations (firefighting camps, emergency evacuation points, warehouses, etc.).

- ▶ At each location there is an RSP-Z2 to patch the communication devices (radio, PoC, SIP, etc.) used locally.
- ▶ Using the built-in Unity feature set, these RSP-Z2s can easily be connected to a Z-Series Controller to participate in a wide area system.
- ▶ The Z-Series Controller also has its own local resources, which can include RoIP links from legacy ACU or NXU devices.
- ▶ From the Z-Series Controller, an operator or dispatcher can see, patch, and manage everything: its own local resources and RSP-Z2 resources.
- ▶ Audio can be shared between any resources in the system.



CONCLUSION

The decision to upgrade from WAIS or legacy equipment to a Z-Series system cannot be generalized because every implementation and use is different. However, the benefits of the Z-Series are unmistakable.

- ▶ Create wide area interoperability systems. Built-in Unity streamlines and automates setup and management from a Z-Series Controller. Easily expand, change, or update all or any part of the wide area Z-Series system.
- ▶ Access the Z-Series user interface from any standard web browser. Access is controlled through login credentials and permissions.
- ▶ Gain access to modern communications standards or requirements like encryption and Push-to-Talk over Cellular (PoC).