Abstract Submittal

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Title: Considerations for Making the Transition to ALERT2

This Presentation will provide ALERT users with the technical tools to modernize their flood warning system.   Transitioning to the ALERT2 protocol does require some advance planning, but it doesn't have to be a difficult process . . . given the right guidelines.

Like ALERT, ALERT2 is a system for transporting short data messages over a radio path. It differs from ALERT in that it's much faster, carries more information (including engineering units), and operates virtually error-free. Using a channel sharing technique called TDMA, each transmitter has its own time slot in which to transmit. The message contention and data loss problems of ALERT are eliminated, as are ID assignment problems that are common to AUG members.

Using maps and a system diagram of an AUG member's actual system, the Presenter will provide an overview of the process of formulating an effective transition path from ALERT to ALERT2. This will include a discussion of the network backbone including hardware requirements and details to consider in allocating time slots to Repeaters servicing different nodes of the system.

Jim Slouber
Co-Founder and Vice President

Jim continues to develop new products for the flood warning industry, as well as instruments and sensors used for hydrological and meteorological monitoring. He performs various installations and consulting in other countries, such as China, Puerto Rico, and Venezuela.   He is an active participant in the technical committee for ALERT2 and received the ALERT User's Group Pioneer Award for contributions for the flood warning industry.

> Sierra/Misco, Inc. – Engineering Director. In charge of new product development, support of existing products, control of documentation, manuals, and conducting training seminars. Responsibilities included analysis, specifications, analog design, digital design, firmware/software design and coding, supervision of research, testing, mechanical design, and PCB design.

> Automata, Inc. – Design Engineer. Performed broad design responsibilities over assigned projects, including analysis specifications, digital & analog circuits, software/firmware design and coding, documentation and component research.

> Education – BSCS, California State University, Chico, California. USAF Electronics Technical School.