

INVENTION DISCLOSURE

1. **Invention Title.**

Enhanced Emergency Alert Service

2. **Invention Summary.**

Automatically turn on all of the televisions in the home and tuning to the EAS can warn people of dangerous weather and reduce the loss of life.

3. **Invention Description.**

In a typical year, the US averages hundreds of people are injured and dozens more are killed as a result of tornados, flash flooding, and inclement weather. Many of these deaths occur because people are not made aware of the imminent danger. With new standards appearing in STBs and CE equipment such as HDMI CEC and new non-line-of-sight remotes, such as Zigbee RF4CE, many of these deaths could be avoided by enhancing the EAS system to automatically turn on all of the televisions connected to the network and tune to the EAS.

Briefly outline the potential commercial value and customers of the invention.

When an EAS is received by the MSO terminating device, e.g. a STB and Video gateway, the system determines whether each viewing/display device; TVs, smartphones, tablets, etc. are currently displaying video. Any display devices that are not currently on, can be turned on by the termination device using new standards like HDMI CEC, Zigbee, Bluetooth, Wi-Fi, etc. The display devices is commanded to render the EAS to the consumer. After the EAS announcement, additional audio/video can be played to describe the current stations to receive more detail. This could be configurable to their subscribers favor news/weather channel.

4. **How is this invention different from existing products, processes, systems?**

Today people must be watching TV to receive an EAS alert. As many of these fatalities occur during the night when people are sleeping and thus unaware of the situation or not watching TV, more people can be informed of the threat and therefore reduce the injury and death rates. Another improvement is leveraging the new technologies being deployed by the MSOs such as Zigbee that doesn't require line-of-sight to control the CE equipment to help improve the EAS system be more modern.