



Agile Business Development & Strategy

Cillium Corp Consulting Review

for

The Dominican Republic Emergency Information Network

The single most important thing during any emergency (natural disaster, terrorism, acts of war and other man caused national crisis) is the ability for our citizens to receive critical information from our leaders. This information includes what the crisis is, what caused it, what the government is doing to address it, what government is suggesting/requiring of the citizens, where help is, how to get help, what are the short/long term implications to our country and her citizens.

This proposed new system is based on the belief that the current system while somewhat effective needs new technological improvements. The current systems are based on technologies that are primarily utilize broadcast radio and television systems. It has upgraded somewhat to include some smart phones. This technology is heavily dependent on the continual production and delivery of electricity. The loss of power due to natural disasters or acts of war (like EMP technologies) can devastate the ability of the government to provide vital information during a crisis.

Our proposal is that the US Government in conjunction with State and local governments deploy the new technologies that we have designed to provide the citizens with the information needed to sustain life, protect property and reestablish communities. Our systems have two separate technology deployment that work better together but can be implemented individually.

The first solution is to provide a city-wide Wi-Fi system that is only activated in the event of an emergency. The system will be designed in such a way it can be remotely activated to provide vital information to specific geographic areas and national emergency informational response. The system will be designed to provide this information in conjunction with broadcast tv/radio (as done currently), to smart phones, smart tv and/or, devices that can receive wi-fi connections and overhead public broadcast systems. The design will allow those devices that have wi-fi capability to receive the vital information the citizens require. It will allow those wi-fi devices to be able to access additional information, find the help the citizens require and provide GPS tracking for rescue operations.

The type of information to be developed are applications designed in conjunction with local, state and federal government officials. They would involve civic leaders from the medical, food providers, power providers, communications systems and any other groups that can provide value to our citizens. We want during an emergency for all affected peoples to have instant access to all information related to the scope of the emergency, the geographic area of the emergency, government recommendations during the emergency and how to get whatever help needed.

Let's use a hurricane as an example. The national weather service determines that a potential emergency is heading your direction. The system alerts you through and possible information providing systems. Once notified, you will have the option of viewing more detailed information of the pending emergency. These apps include but are not limited to:

- the national weather service information

 - storm path

 - storm intensity

 - timeframe

 - potential destruction

- local government information services

 - police, fire, rescue

 - evacuation/shelter services/food/water/fuel

 - volunteering

 - recovery information

 - health concerns

 - legal, insurance, etc.

- local community services information

 - hospitals, rescue, medication support, etc.

 - churches and other nonprofit support groups

 - food and water

- state government information

 - evacuation plans

 - rescue operations

 - consumer protections and support

- GPS locators for rescue
- federal government information
 - FEMA
 - DHS
 - DHS
 - CDC
 - HUD
- Consumer services
 - Pharmacy locator
 - Food and house hold goods locator
 - Recovery and rebuilding suppliers
 - Equipment repair

The second part of the solutions is a new emergency information transmission network. Using fixed component line of site technologies. The new network will connect all city wide wi-fi systems to each other, to the local government, to the state government, to the federal government and to community information services platforms. This network is dedicated for the use of the Emergency Information Network and will only be activated in the event of an emergency. If the government wishes, a second network can be implemented for the use of other services. The EINS will be connected to the federal, state, local government networks as well as commercial and community networks.

This new system will need new application developed to provide access to the information with the necessary levels of protection security. Applications need to be with the needs of the local population intertwined with the services offered in each level of emergency services support. These applications will need to hosted in redundant computer systems to ensure the ability to activate the systems. Local applications will need local redundancy as well as regional and central redundant hosting. It must be designed with failsafe backups so that emergency information network will never be blocked from activation.

The system will need a series of interlinked computers with a redundant protected host site. The local computers will host the local applications and be accessible by local officials as to be able to continually update the applications information. The local network will be connected to the regional and national applications so that the citizens will have access to all the information necessary for pre-and post-emergency dangers and services. All the local applications must also be backed up regional and nationally to ensure all information is accessible during the emergency situation.

