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Precaution for Specific Area [System]

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Abstract: Emergency Alert for specific area is used in emergency situation. Emergency area Alert is just one way of warning communities and will not be used in every circumstance. Alerts received at the right time can help keep you safe during an emergency. The research area in emergency alert for particular area is relies on wireless network to send notification. For this used the registration technique for all the area users and also used notification technique. Alert, track and notify the user an emergency situation. Emergency area alert provides you with the peace of mind that comes from knowing that you and your particular are able to instantly connect. The emergency alert system for the digital way.
Index Terms: Area alert, Wireless network, Broad casting networks, Emergency alert system, notification, broadcast cables

I. LITERATURE SURVEY

You may receive emergency on your phone Emergency Alert is the national telephone warning system used by emergency facility to send voice messages to landlines and text messages to mobile phones within a specify area about likely or substantial emergencies Emergency Alert is just one way of giving information to communities and will not be used in all situation. Emergency Alert depends on telecommunications networks to send messages, and message delivery cannot be assured.

There are a lots of reasons why you may not get from a text message on your mobile phone including your text message inbox was not empty or your mobile phone was turned off or not in range. More information is conducted in the Regularly Asked query Questions.

Resilient public alert and warning tools are associate to save lives and secure property during times of national, state, sectional, and local emergencies. The Emergency Alert System (EAS) is used by alerting authorization to send warnings via broadcast, cable, satellite, and wired communications passageway. EAS participants, which contained of broadcast, cable, satellite, and wired providers, are the representatives of this important public service in nearest interest with alerting valid at all levels of government. The EAS is also used when all other mode of alerting the public are unavailable, providing an extra layer of resiliency to the series of present emergency communication device The EAS is in a stable state of improvement to secure seamless integration of CAP-based and emerging technologies.

A. Emergency alert for country

In the event of an immediate threat to your life, health, or security, the county's Community Warning System will be activated. Depending on the urgency, severity, and certainty of the threat, some aggregation of the following alerting devices may be activated to provide you as much as notice as possible:

1) Sirens in special safety region.
2) Emergency Alert System (EAS) on television and radio (KCBS 740 AM)
3) Landline Emergency Notification System (TENS)
4) Cell Phone Alerts
5) NOAA Weather Radios
6) CalEMA's EDIS website
7) For extra information about these alerting devices and how to be receive alerts directly, see the Community Warning System

The Emergency Alert System (EAS) is a national alerting system in the United States impact on November 29, 1997 (recognized by Federal Communications Commission (FCC) in November 1994), when it restored the Emergency Broadcast System (EBS), which in turning restored the CONELRAD System. The valid official EAS is nominated to enable the President of the United States to communicate to the United States in reach 10 minutes. In addition to this requirement, EAS is also layout to alert the public of local climate emergencies such astornadoes and flash floods (and in some situations severe thunderstorms build upon the severity of the storm). A national EAS test was conducted on November 9, 2011, at 2 p.m. EStandard Time, but the nationwide federal EAS has never been stimulated.

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II. INTRODUCTION

Automated telephone calling systems are extensively used for sending emergency alert messages. This system is geographically specific, because only those phones not beyond a determined alert area will be called. There are, however, many problems with these systems. They are costly to purchase and use. They do not get nearly all the applicatory public. Most of people's oversight phone calls, and most of these systems call only landline phones. That rejects all cell phones and VOIP phones. Because a few numbers must be called at regular intervals to reach a person, this process also can be moderate. Finally, when a telephone alert system is used, it can fix the local telephone switching network, thus slowing the system and making it very problematic for local persons to use their own phones. For overcome all this Problems some invention on notification alert are as follows:

A. Field of the Invention

The present creativity relates to methods and devices for mobile wireless system's to give notification for a register customer for giving a emergency. The system provides information to residents about emergency events quickly and concluded a notification method. The alert system currently includes all listed telephone numbers in particular area that are serviced by thissystem.

All information in the System will be kept strictly confidential. Residents will only receive alerts that are particular and time-sensitive, including: flooding, level failures, severe weather, disaster events, unpredicted road closures, missing persons, and evacuations of buildings or sections in specific geographic locations.

1) A second electronic device for acquiring an emergency alert message and modifying the emergency alert message within an emergency alert signal for transmission;

2) A satellite that receives the topographical area signal and the emergency alert signal from the transmitter and re transmute the geographic area signal and the emergency alert signal to the earth.

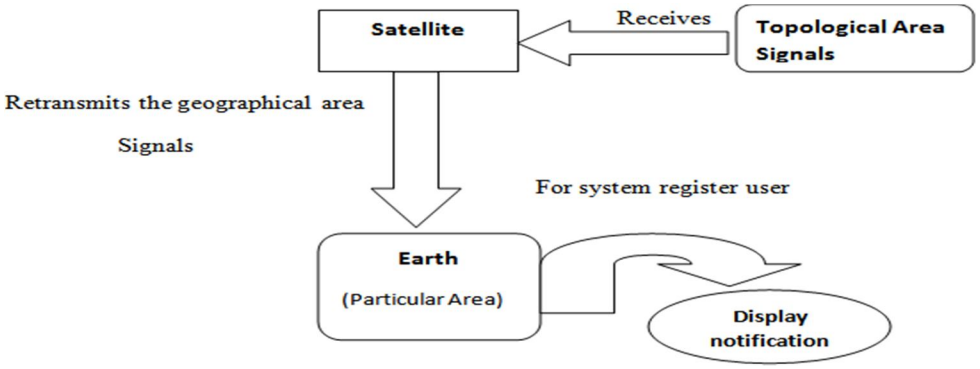


Fig Flow of the Emergency Alert Notification

III. METHODOLOGY

A. Process for Notification

One useful technique for giving notification messages is to attempt to give an emergency alert message is no more two sentences and In no more than 20 words. And alert is used as a permanent notification to stop the user and build upon an action. These notifications commonly stop users completely from operating any actions without completing the notification.

Best suited for informing highly alert messages which can lead into serious trouble if user happens to avoid it. This is the very efficient notification improper usage can lead to serious damage for you.

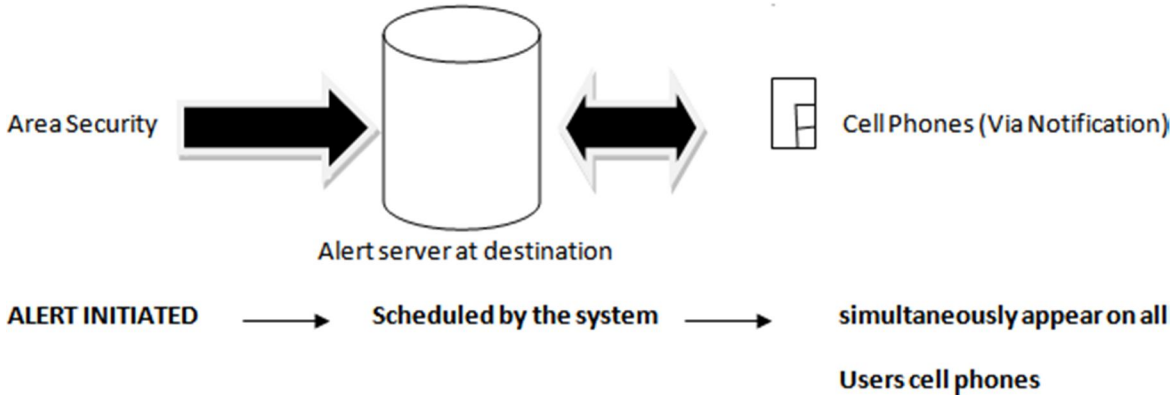
Notification messages are an important part of the user experience and not one to be overlooked. A notification alert message should appear every time the user performs foremost tasks. A perfect option along with these can surely bring sweets to you and fellow developers.

The present invention contribute such an emergency alert system (EAS). The invention gives a method of sending geographically-targeted emergency alert messages to emergency alert chip (EACs) operated by system. The EACs within the geographic area at risk are notified of the emergency. The EACs are small Chip that may be embedded within system and from system notification are send on host devices such as cell phones, computers, land-line telephones, and essentially any other host device with the measure to communicate message content to an end user. By incorporating the EACs into a wide variety of hosts, the present invention perform an EAS with the potential to reach practically all appropriate persons very quickly. It is determined, easy to operate, fast, and is geographically selective. It also requires only routine upkeep.

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Fig 1.2 Shows the the alert system in which alert is initialed all this scheduled by the system and alert is display on the cell phones.



Notification Alert Process

B. Process and Operations For Sea Area Forecast

EPIRBs are tracking transmitters which aid in the find and location of boats, aircraft, and people in trouble. A PLB (personal locator beacon) is particular type of EPIRB that is typically smaller, has a lower battery life and unlike a proper EPIRB is enrolled to a person more than a vessel. The terms ELB (emergency locator beacon) & ELT(emergency locator transmitter) are used correspondent with EPIRB only when used on aircraft. Definitely, they are radiobeacons that interface with worldwide make available service of Cospas-Sarsat,the international satellite system search and rescue (SAR). When manually start, or automatically activated upon involvement or impact, such beacons send out a distress signal. The signals are observed worldwide and the whereas location of the distress is find by non-geostationary satellites Doppler trilateration and in more latest EPIRBs also by GPS.

The following is the steps through which a transmission mostly gets processed:

1) The transmitter is activated, either significantly in a crash or after sinking, or manually by leaving of an emergency situation.
2) At least one satellite takes up the beacon's transmission.
3) The satellites transfer the beacon's signal to their relative ground control stations.
4) The ground stations formation the signals and forward the data, including relevant location, to a national authority.
5) The national authority onwards the data to a rescue authority
6) The rescue authority uses its own receiving machinery afterwards to determine the beacon and commence its own rescue or replacement operations.

Once the satellite data is in, it takes below than a minute to forward the data to any signatory nation.

IV. CONCLUSION

With advancements in technology done every day, we as consumers and users should ensure that we use technology to its full extent. This futuristic idea will ensure that the growth and development of the society continues to flourish in the decades to come. Emergency area alert technology will not only help the users by making living in the society as easy as possible but also the organizations for taking this idea to made App for security prospect. In this paper the idea behind the emergency transmission signals are same which are used in huge safelight technology. I state my own notification idea to alert the people by using wireless technology. High-capacity communications, effectively managing notification of thousands or tens of thousands of people in contingencies

V. ACKNOWLEDGEMENT

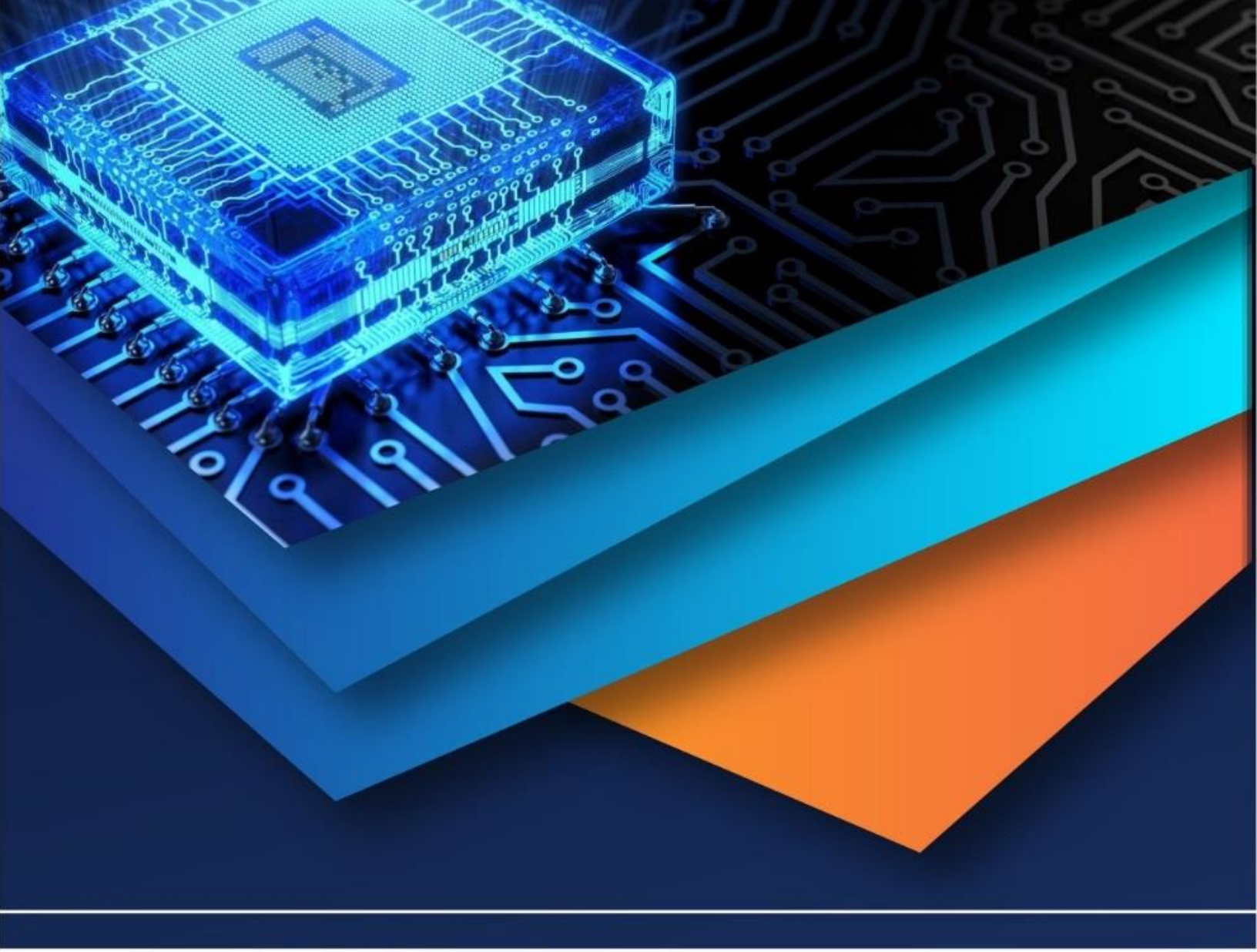
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