

A New Global Security System

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Objective

Our immediate neighbors around Japan possess a great many nuclear weapons and highly developed missiles, serious threat to our security. There are always dangers of deadly accidents of airplanes, too. About the MH370 disaster in 2014, nothing is known except for the fact the airplane kept flying for 4 hours after losing contacts. Going into Space Age, we must be prepared to accidents in the space as well as the air spheres. What measures have we had to cope with those dangers?

The conventional missiles defense systems have been to hit the oncoming missiles with defending missiles. It is inherently a difficult task as both missiles fly at enormous speed. Besides the area observable with RADARs on the ground is very limited because the earth is round. Observation from Low Earth Orbit satellites is very limited in time.

It has been extremely difficult to rescue airplanes in accidents. Concerning the above MH370 Disaster, the problem was not only loss of communication but also total lack of information about the location of the airplane. Too many air accidents end up in total loss of lives.

This proposal is intended to solve those problems fundamentally.

Summary of the proposal

1. Global, ceaseless communication system for airplanes using existing satellites [1]

In order to prevent the air accidents as MH370, I proposed a communication system that can provide continuous voice and data communications to thousands of airplanes through existing GEO (Geo-synchronous Earth Orbit) satellites without giving harmful interferences to the operating systems [1]. As the GEO satellites are in such high altitude, the system will be useful for spaceships.

2. Space and Air Spheres Rescue system [2]

The system monitors globally the space & air spheres all the time. Upon detection of

any abnormal objects, rescue planes are launched. The rescue planes close in and capture the targets for more security operations. Troubled airplanes or spaceships will be carried to safe areas, nuclear warheads will be returned to the legitimate owners.

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3. Global Monitoring System [3]

RADAR can monitor the air and space spheres day and night, through clouds or rains but the observable area is limited because the earth is round. It is the GEO that can observe the globally wide areas. The author proposes a RADAR system making use of the radio waves of the operating GEO satellites. As the system does not transmit any radiation it is inherently covert.

In order to monitor objects beyond the horizon, we need a relay system that can transfer the radio waves collected by the front-line Monitoring Stations back to the Base Stations where the RADAR signal processing is made. We need a flying body that can stay still at a high altitude. The VTOL airplane of my invention [4] will be optimal for the mission.

Conclusion

If the above proposed system is realized, then nuclear weapons will become useless. The air or space accidents will become much less fatal. The global observation system will be useful to prevent disasters by bush fires, which will be extinguished quickly by the proposed VTOLs.

For more details, see the references

References

[1]] Osamu Ichiyoshi

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~Never to repeat the disaster of MH370~ “

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[4] Osamu Ichiyoshi,

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