February 3, 2017

**Undersecretary Ricardo B. Jalad,**

NDRRMC Executive Director and

Civil Defense Administrator

NDRRMC

Good Day!

We are Computer Engineering students studying at Polytechnic University of the Philippines. We are conducting a study called Help Box: A Life and Body Locator Device through a Designed TV Box for Post-Disaster Rescue Mission in a City. It is a device that will send signal to the headquarters which will give the location to the rescuers. The device will also include a 2.4 GHz transmitter to easily detect the box which should be being held by the victim. We humbly ask for your help as we conduct the said study.

Our study needs to gather data about our target location where we will deploy our prototype. In our case, we chose CaMaNaVa area as our target since based on our research, it is where disasters are often congested. Out of the four areas, we chose Malabon as our target because of its small area. But using the internet as means for conducting our research could only give us limited information. Therefore, we humbly ask for any assistance that you may give us in conducting our research including how frequent flash floods occur, about the search-and-rescue operation system in the mentioned area, occurred deaths in the area, how high usually is the flood, and about how many people are usually stranded in the parameter.

We may also humbly ask for your assistance in the deployment of out prototype to gather the data to prove the effectiveness and efficiency of our study. We will humbly ask your help and cooperation.

Also, in sending the signal fetched by the GPS Module, we want to use the AM Channel, but our group question the legality of the method. We think that by using AM or even FM Channel, our device can send data to the headquarters without the use of telecommunications network, for greater efficiency against Yolanda-type disasters.

Thank you for your consideration.

**Dr. Antonio Y. Velasco**

Adviser

Design Project 1

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Proponents of the said Study,

Design Project 1