"Devastating Network In Miura Peninsula Japan"

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ABSTRACT

. This paper presents about the report of devastating network in Miura penin sula near Tokyo. 1995, January. 17, eary in the morning , Kobe Earthquake damag ed many people in Japan. At this eart hquake, informations were very poor. Si nce then various cities had committee s to modify these situations. Yokosuka City and NTT (Nipon Telephone and Tel egram) (Chairman was myself) started th e committee in the same year of March 1. They were using the ordinary malti media because of difficalties of usin g extra methods (like the battery not working) when devastating earthquake comes. By 2 years, we could finish bas ic ideas and the now were realizing. Key Words: Yokosuka City

Multimedia
Information network
Application software
Devastating network

1 INTRODUCTION

1995 January 17 eary in the morning, we had Kobe-Awaji devastating earth quake, and Japanese people had the big damages. The cities of Japanese at that time, should consider the informat

the damages of, for instance, p eople in the damaged areas fro m the cities or firefighting offices of the cities. Fortunately, Yokosuka City was quite eager for information systems of natural disaster. Especially the reservation of driking water, they must carry it from Sagami River, for from Yokosuka, so they form the tanks of water before Kobe Earthquake.

2 DEVASTATING NETWORK

Devastating network was useful, of course, at natuural disaster events, but even ordinally times using multimedia information and correspondent networks, and information between related organizations are very important. These are the basic ideas of "devastating network". Safeties of the people in the districts and better services of administrations will be also important. The above networks systems are used for ordinally time, for the information ser

vices, education infomation's common u se and for information between admini stration offices. At devastating time, to chenge application software, using the same tools of ordinally time, info rmation of damages degrees, of accumil ation, of good timing about the loss of the people, the common knowledge ab out the devastating information for e ach information offices are necessary . Uses of devastating network, on ordi nal times, were not only the effectiv e uses of devastating network in ordi nal times but devastating network sys tems must be used ordinal daily beca use on devastating times, the ordinaly people, sometimes, could not use specia l devastating network or devastating network was broken and the poeple cou ld not realize it until they start to use or the batteries of devastating network were run out.

ting network were the following; combinations of variouse information of pictures, of places, of voices and l etters to understand easily the damag ed degrees by coming devastation will be especially necessary at devastati ng times.

) MADE A COMMITTEE FOR DEVASTATIG NET k.Beside the above items, NTT WORK

Not only peninsula's closed situatio ns but also this peninsula area are c alled "Tanito" (valley and door), mixed Miura peninsula area. So NTT with vallies and hills, and when deva plans the similar devastatin stating earthquake comes, in the above g netwok with Yokosuka City.

areas are gute difficult to inform their damages to their r area or near areas. Actuall y, some places of firfighting radios and potable telephone s could not communicate each other (PHS:portable telephon e became better communicatio ns recently) . Yokosuka City w as eager about devastating n etwork since long time ago, a nd drinking water were store d in the water tanks, for ins tance under the parks becaus e drinking water were brough t from Sagami River by the s teel pipes as already writte n before. Beside the above, th ey are promoted to prepare m achine materials, food and me dicines. However the method o f information, between firefi The reason of maltimedia for devasta ghting offices or cities dev astating network radios and general telephones could onl y use.Corresponcpondent meth od between self defense armi es, polices and medical offic es are known to be only by t elephones. These the above re sons became to start the com 3 MIURA PENINSULA City (Yokosuka City mittee of devastating networ s roles could not be missed. In Yokosoka City, NTT may hav e rsearch office soon, and so meny people of NTT live in

And this was the one of the reasons w hy Yokosuka City made the committee o f devastating network.

4 CONSIDERATION AND PROCESS

Almost all cities of Miura peninsula have similar conditions, so other tha n Yokosuka City, 3 cities, 1 town, NTT a nd Kanagawa prefecture office joined together for this committee. And self defend army offices, marine security offices, polices, medical offices and lifeline business groups (all together 33 offices) joined together.2 years 1 ong, committee started from March 1 th e same year of Kobe-Awaji devastating earthquake. In year of 1995, 11 times o f meetings (considerations: 3 times org anizer meetings: 4 times top committe e:4 times) and 45 times of person's h earings were held to find out the rea l problems. And basic concepts were de termined.

Through these meetings, each related offices discussed and concidered the real necessary information, stiles of these information and what the real u seful information will be. Finally, Oc tober 26 of the same year, [ARCS] (Aid For District Devastating Network) were made as the result for the rocal devastating network.

The second year of devastating network committee, dependig upon basic concepts, realized devastating network, discussed the specifications of devastating network. 11 times of meetings and all together 41 times of hearings were done. The specifications of necessar

y functions and practical us es of this function were se ttled, and concluded the 2 ye ars project. By this devastating network project, the trus teach others of the related offices were much more increased. After this committee of devastating network, at Mi ura peniunsula area, meny offices got together to do the training of devastating network. In that sense, the new connections of each others will be made.

The second years of this pr oject, 1996 April, 4 cities an d 1 town, collected together the policies of the common p urpose and once again get to gether to fix the satellite telephones, that were establi shed in prefecture's office and polices offices so that at anytimes they can contact with each other. Upon the ab ove ideas, communications net work by the real multimedia will be prepared. The later o f the second years, depending upon the final results, star ted the real devastating net work.

The research people of NTT's developed application soft ware and Miura peninsula are became the fields and by many people of the related joined together for the experiences of application software

s.Points of this development were the use of the standard communication sy stem, at the same time, to many address, the communication traffic were flow n about and treated them with composure. Hardwear to load the software were made by Yukosuka City with some assistance from the administration of trades and industries. Using LAN and sarvers of Yokosuka City and of their education study offices, the communication circuits and for the edge PC will be maintenanced after 1997.

At August 31 1997, using the studied facilities, the exercise was performed by Yokosuka City. The information of d evastating network was to the main me asure office and we stayed there to e stimate the results. the main measure office necessaryly chenged some system and brought the new portable terminations with staffs of fierfighting, to exercise to send multimedia information to that main measure office through pictures, GPS data, voices and letters.

5 FUTURE

The brushup of examined systems and prepare the real system will be neces sary to improve these systems. Through these improvement, finally the wonderf ul systems will be made.

The practical use of the regulations will be sometimes quite difficult, so the through experiment system, hearing s will be expected and the practical rules and systems will be obtained the rough the forms of [rules].

The costs of correspondent maintenances were not cheap, so ordinal correspondent inf ormation systems were used, We would like to use the exclusive correspondent safe systems in the future.





