

## **ABSTRACT**

Existing of Communication network which can function in emergency situation as a backup, is very needed in emergency respon perioded. Tactical Media Center (TMC) is provide access of information which is giving data and information to Statical Data and Media Center (SDMC). SDMC is post of information which manage all data and information from TMC and from the other source, next, SDMC will manage data and information become usefull for internal organization and other communitty base. In operational, TMC must flexibel and adapt in condition of disaster area

*Worldwide Interoperability for Microwave Access (WiMAX)* technology make them easy to have good quality connection. Area coverage can reach 50 km and have ability to send data in high transfer rate in long distance. WiMAX can also serve the subscriber which in Line of Sight position, and None Line of Sight position

In this final task will talk about network planning TMC and SDMC using WiMAX, and analize of application program which used by TMC and SDMC as data and information source in disaster respond based on assessment team information.