GEO-SPECIFIC EMERGENCY BROADCAST OVER MOBILE NETWORKS

REQUIREMENTS ELICITATION

P15/142580/2021: Kimeu Dominic Kiio

CSC 227: 2nd Year Project (2022/2023)

Supervisor: Dr. Kahonge Andrew M.

REQUIREMENTS ELICITATION

Method of research.

To gather the required functionalities that the system should deliver, the research was carried out on the end-users domain and the carrier domain.

The methods employed were **unobtrusive methods** on support documentation on cell broadcasting in base stations and application areas of SMS Cell Broadcasting implementation.

Research Findings.

End-Users

Functional Requirements

1. Receive broadcast messages.
2. Ignore duplicate messages.
3. Ability to review prior sent messages.
4. Verify message authenticity.

Non-Functional Requirements

1. Should be able to receive broadcast messages if was out of service temporarily.
2. Should be able to handle handovers between base-stations.

Broadcasters

Functional Requirements

1. Define broadcast zones
2. Repeat the broadcast message over a zone for a given time.
3. Ability to filter special handlers in a broadcast zone.

Non-Functional Requirements