

Informal Communications and Situation Awareness in C2 Environments

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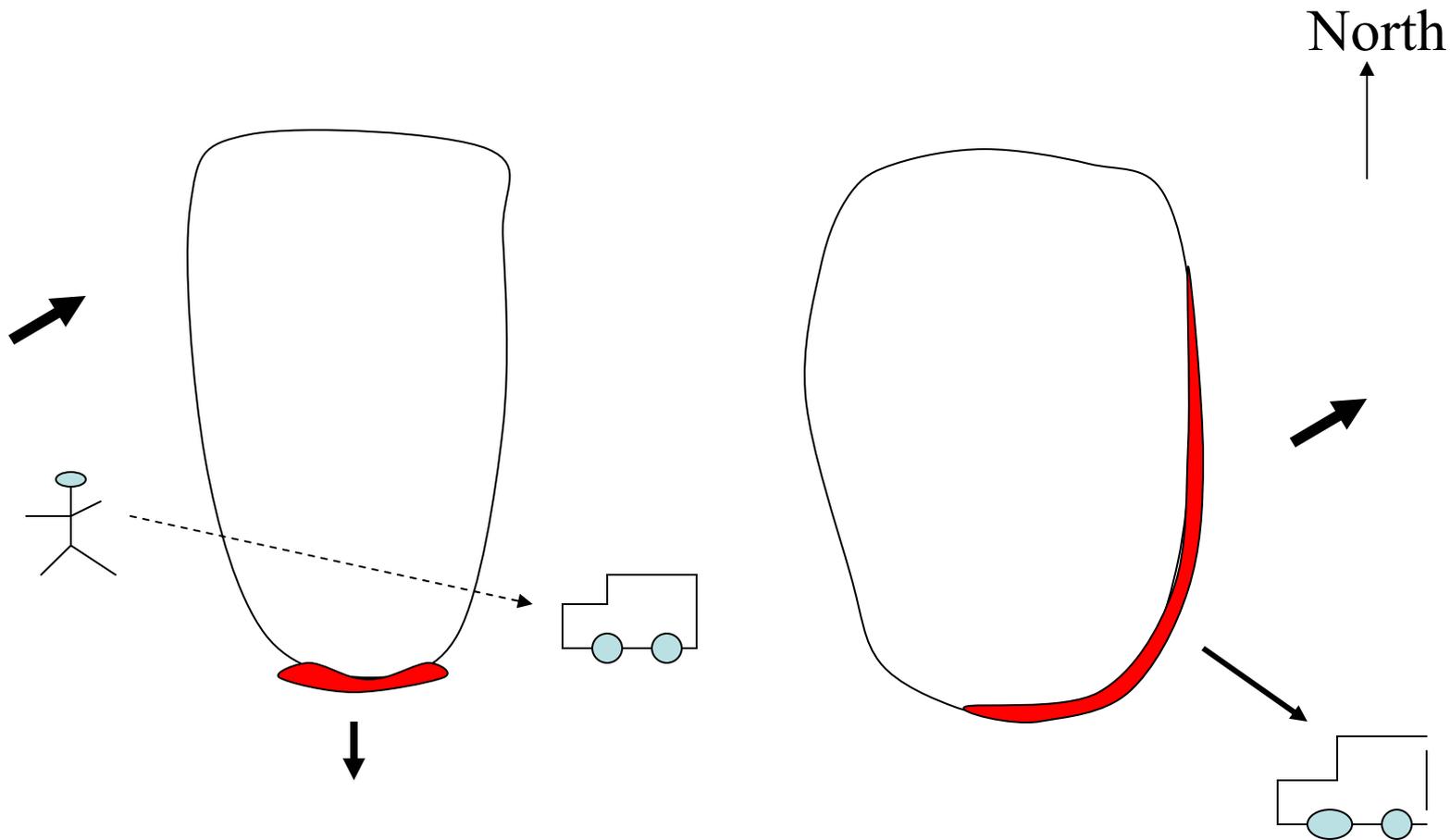


Figure 1 Wind Change Alert

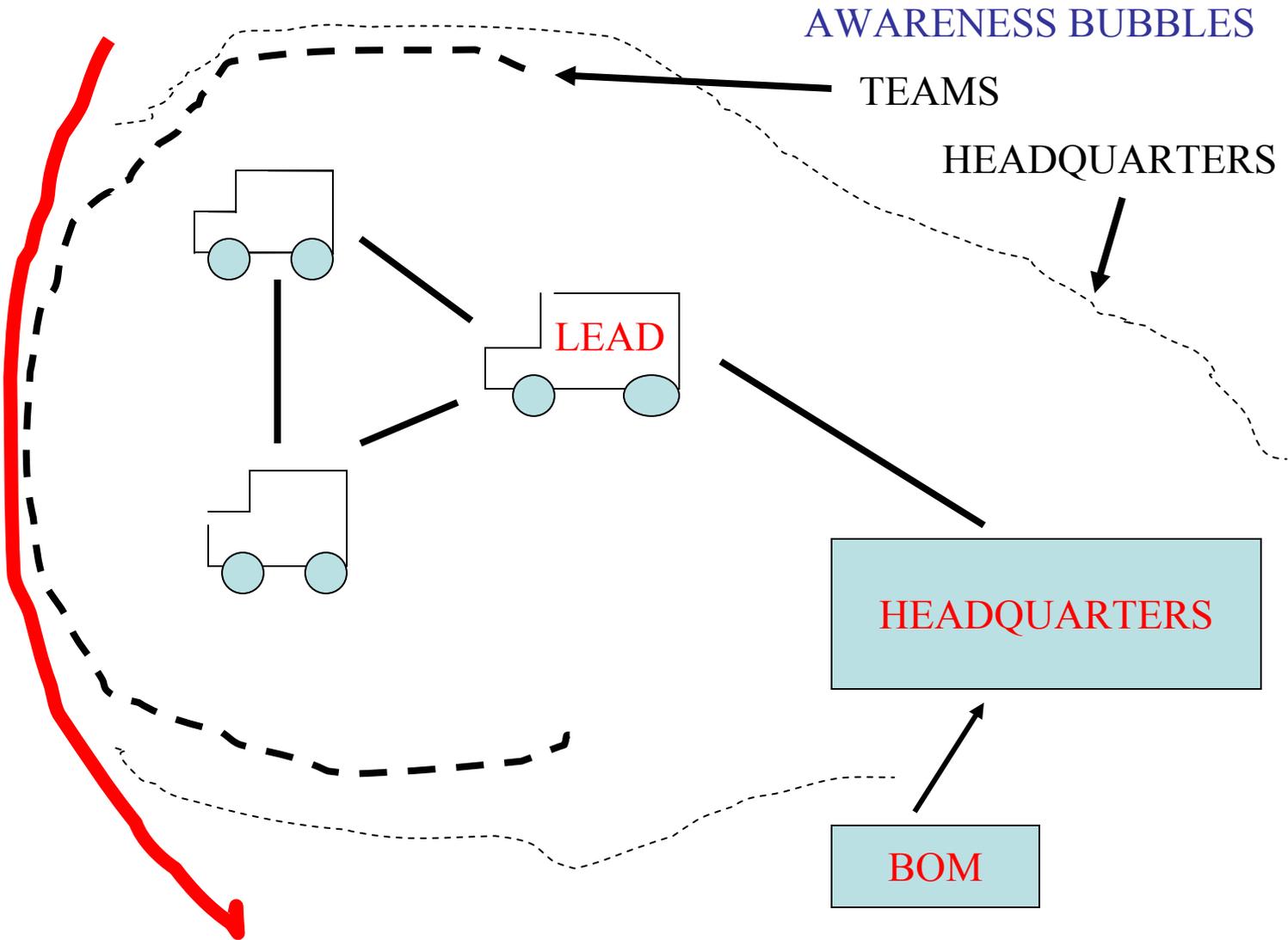


FIGURE 2 AWARENESS BUBBLES LOW LEVEL EVENT

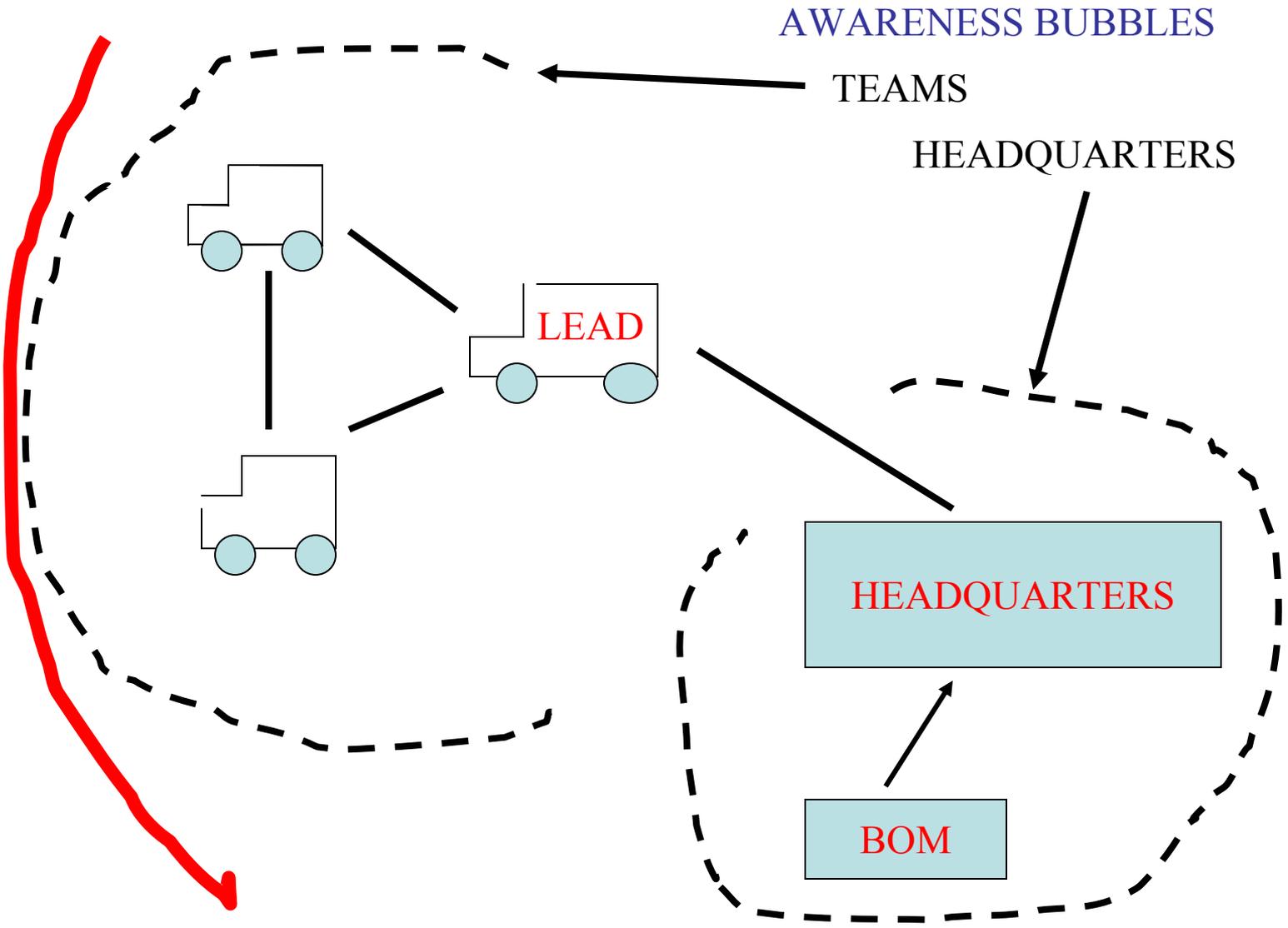


FIGURE 3 AWARENESS BUBBLES HIGH LEVEL EVENT

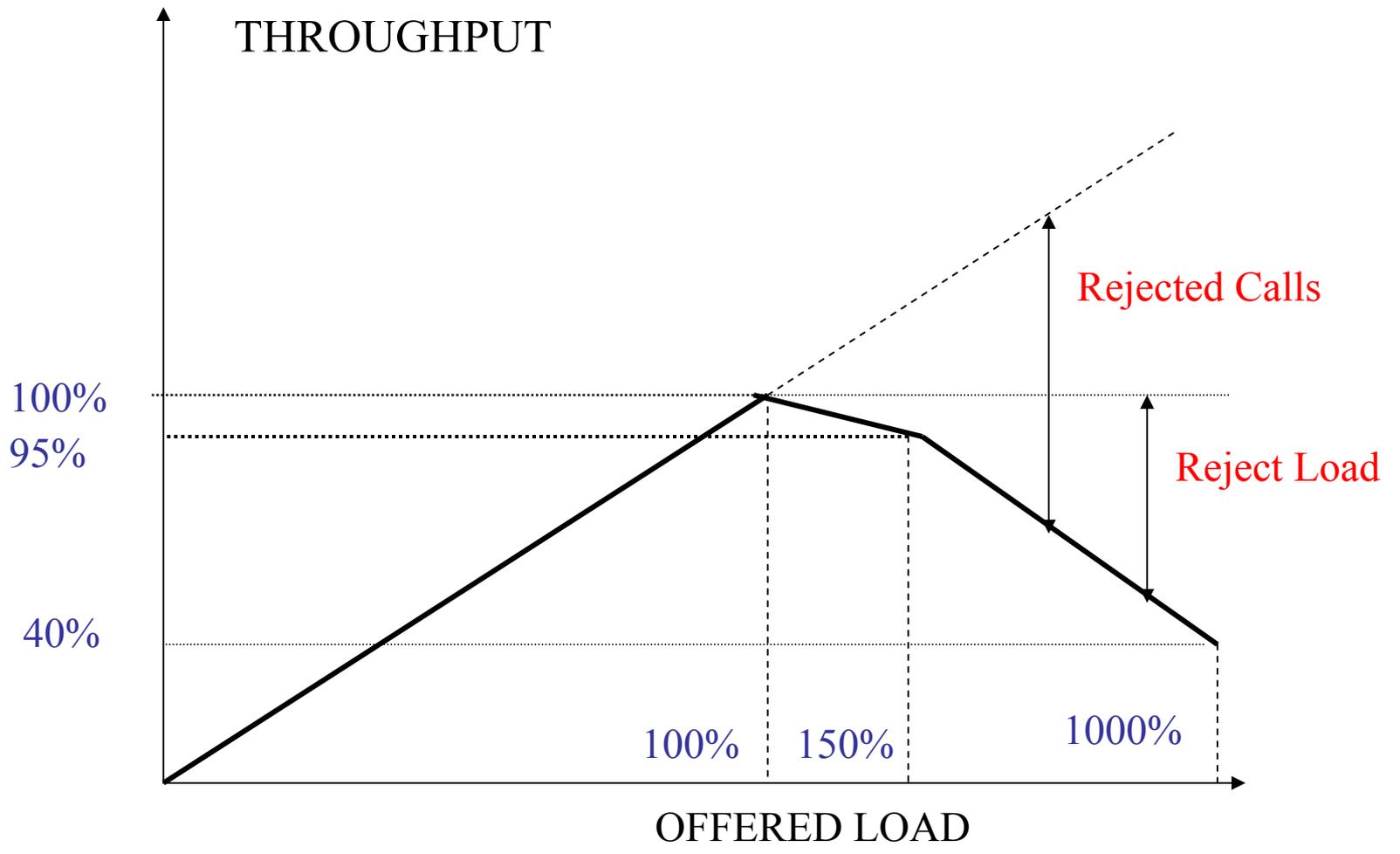


FIGURE 4 NETWORK DESIGN FOR CALL THROUGHPUT

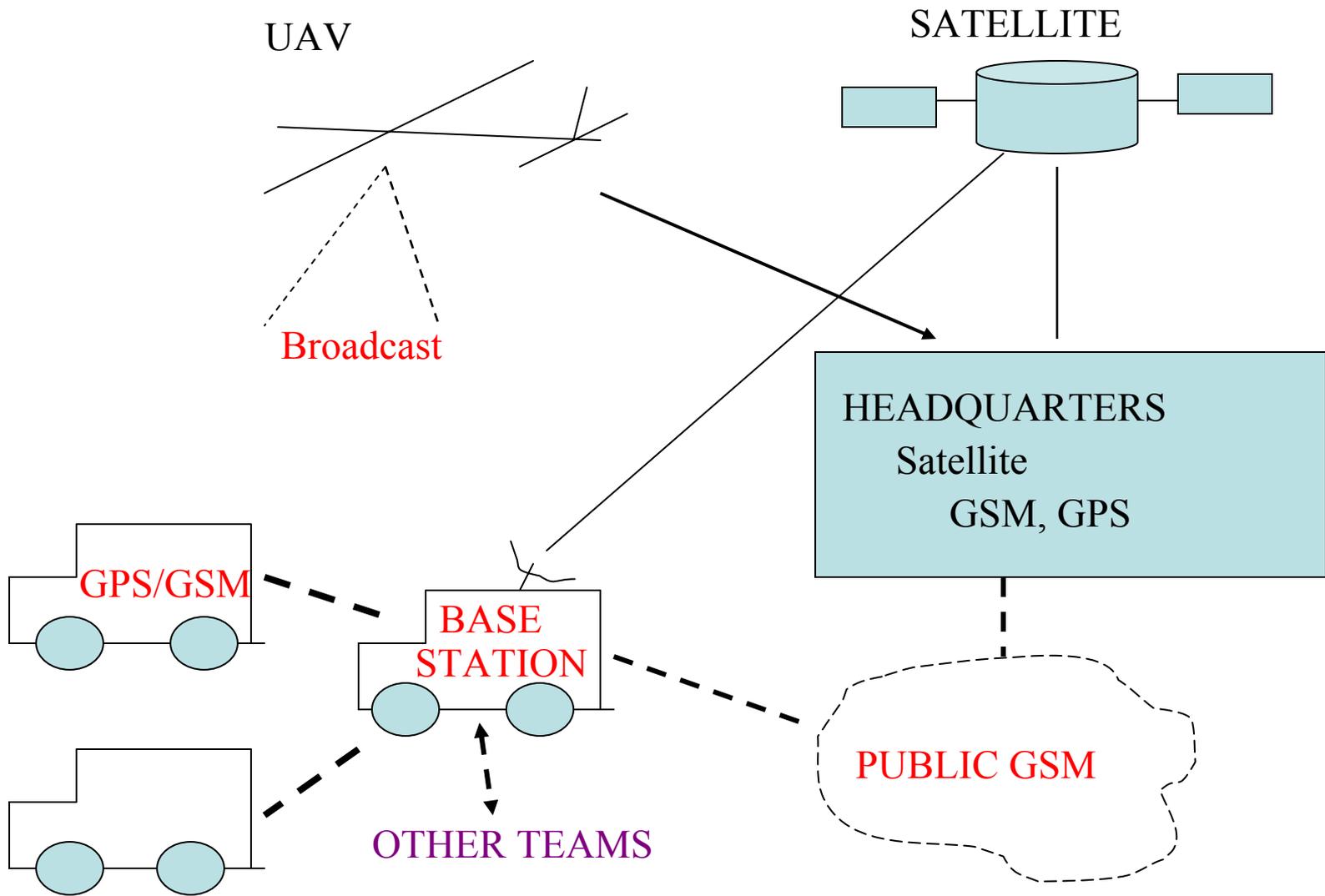


FIGURE 5 CENTRALISED PLUS PEER TO PEER NETWORKS

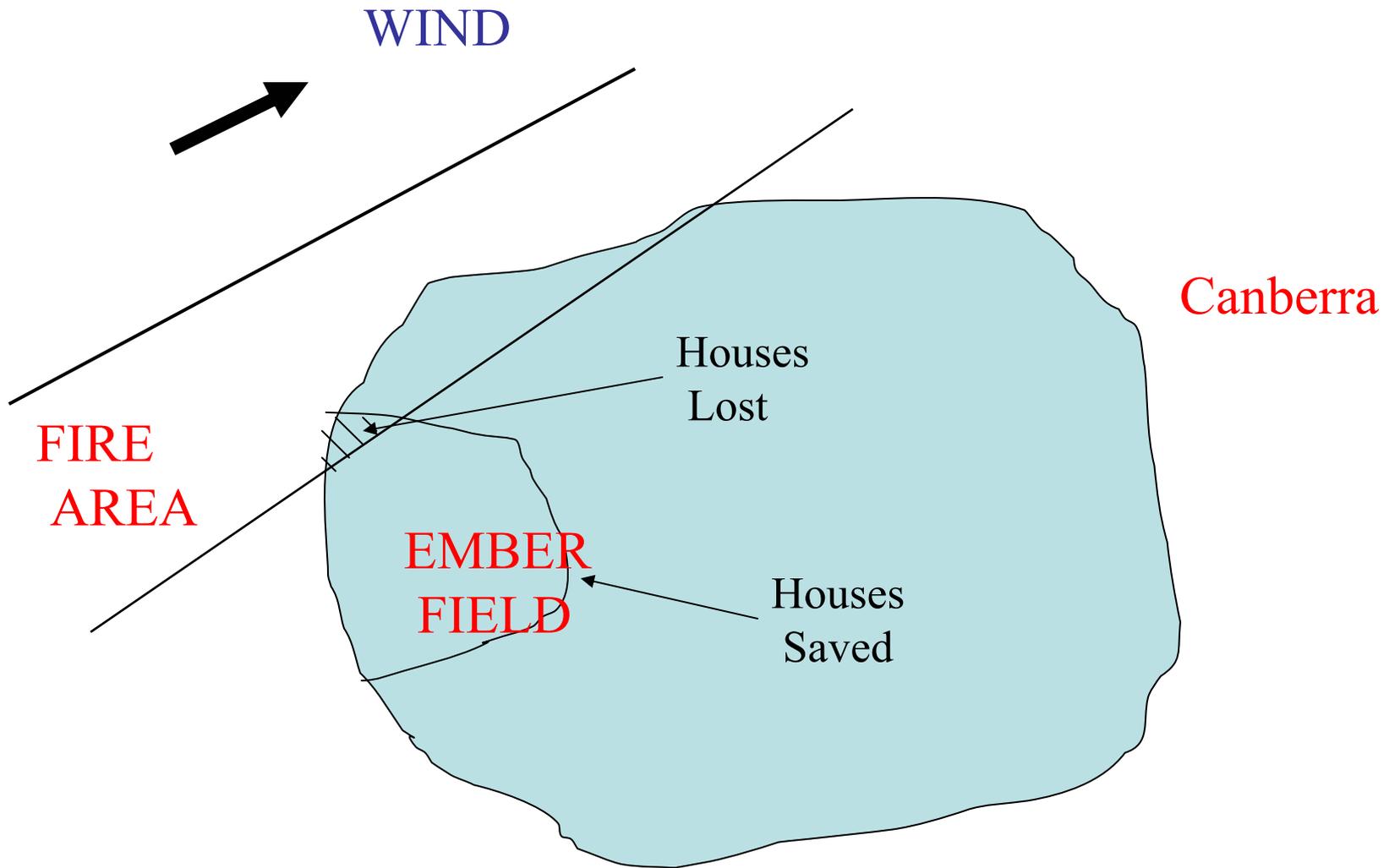


Figure 6 Communications Overload

Telecommunications Model

Load Shedding

Priority of Messages

Residents Model

Awareness Bubble

Messaging by SMS

Establish Community Links

Alert Stages

Figure 7 Network Strategies

Figure 8 Summary

- Defense Analogues in Emergency Services
- Always in Operational Situations
- Potential for Communication Overload
- Use of Informal Channels for Operational Effectiveness
- Essential Use When Overloaded

- Strategies being Developed for Formal/Informal mix