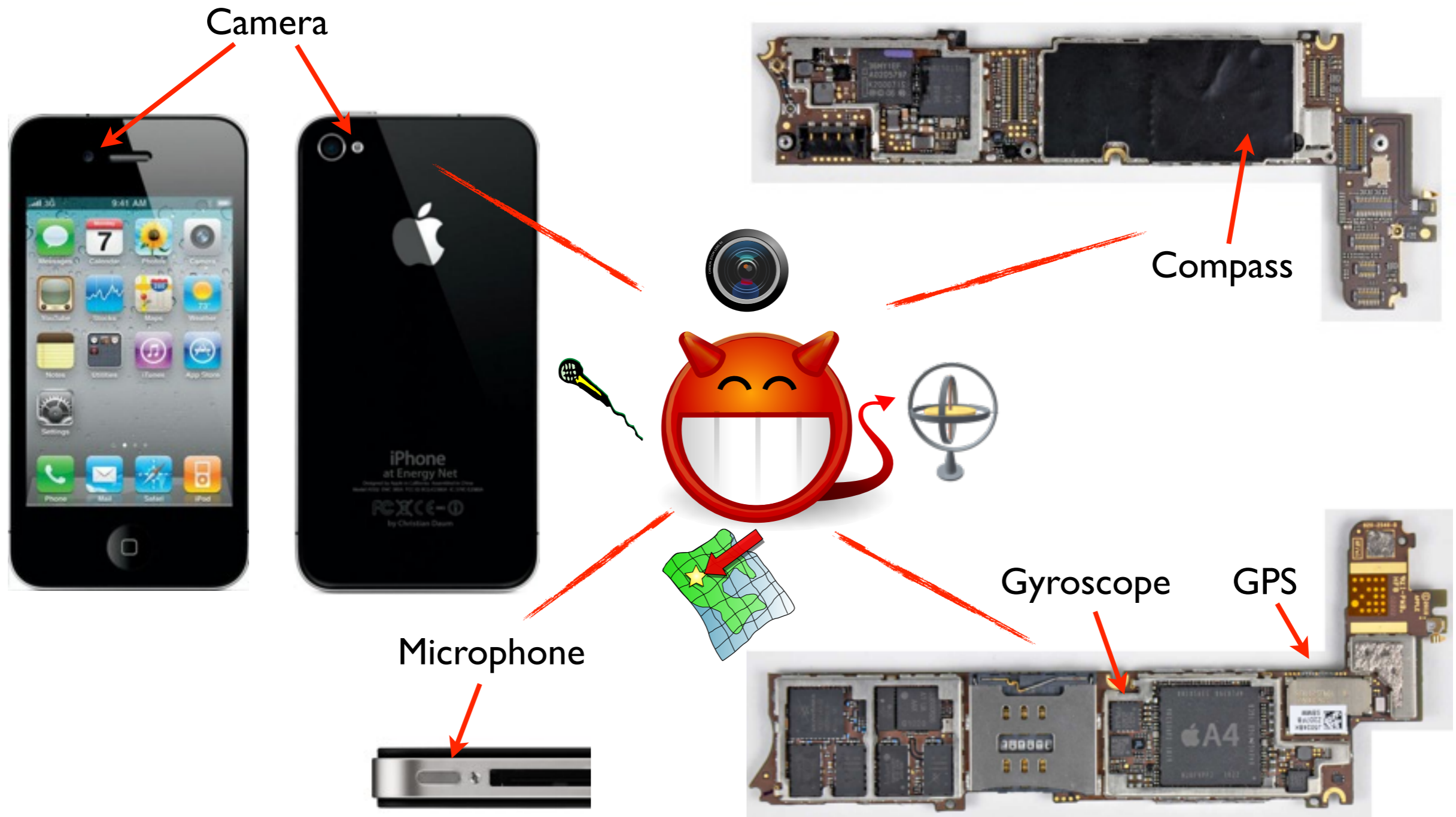


Sensory Malware

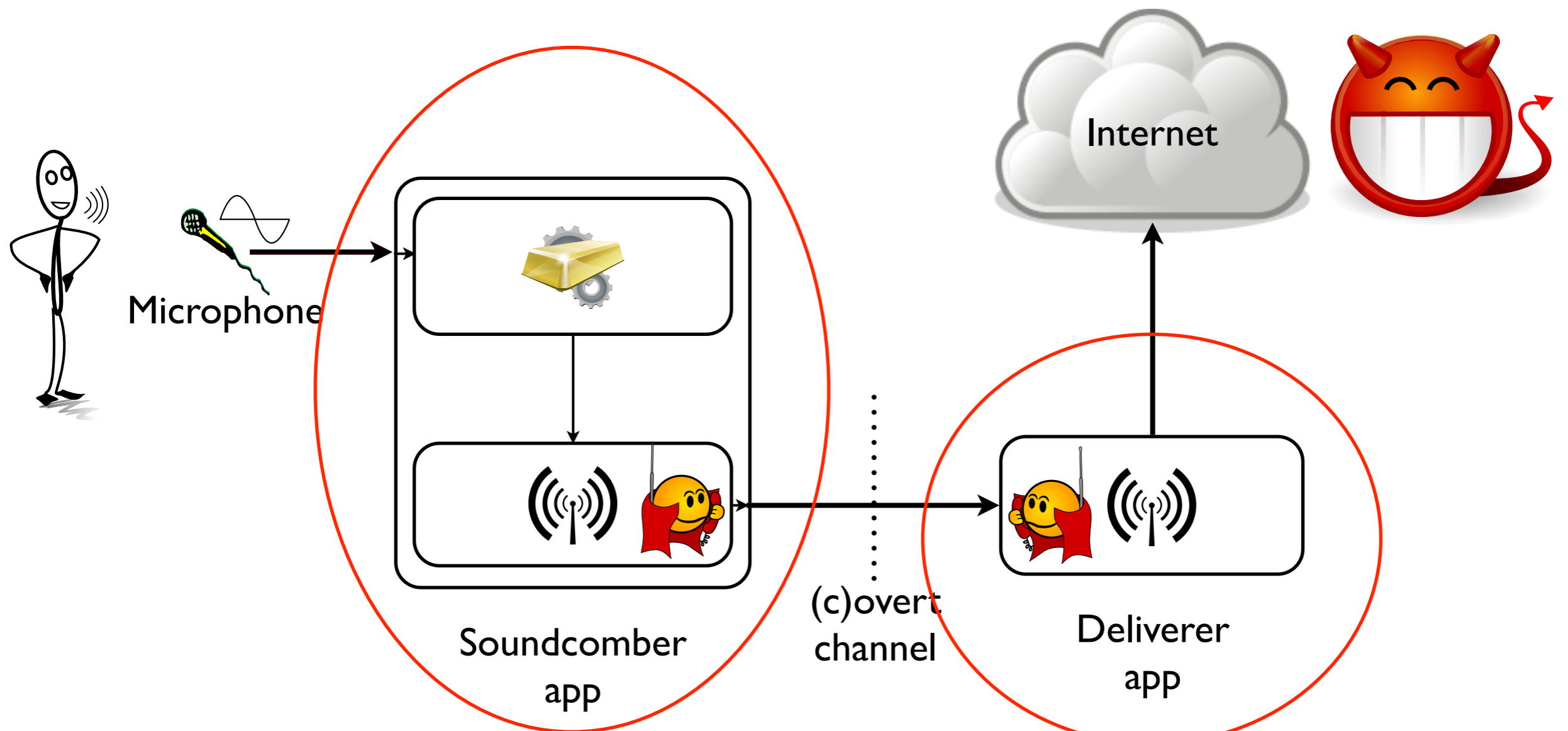
Apu Kapadia

Mar 24, 2011

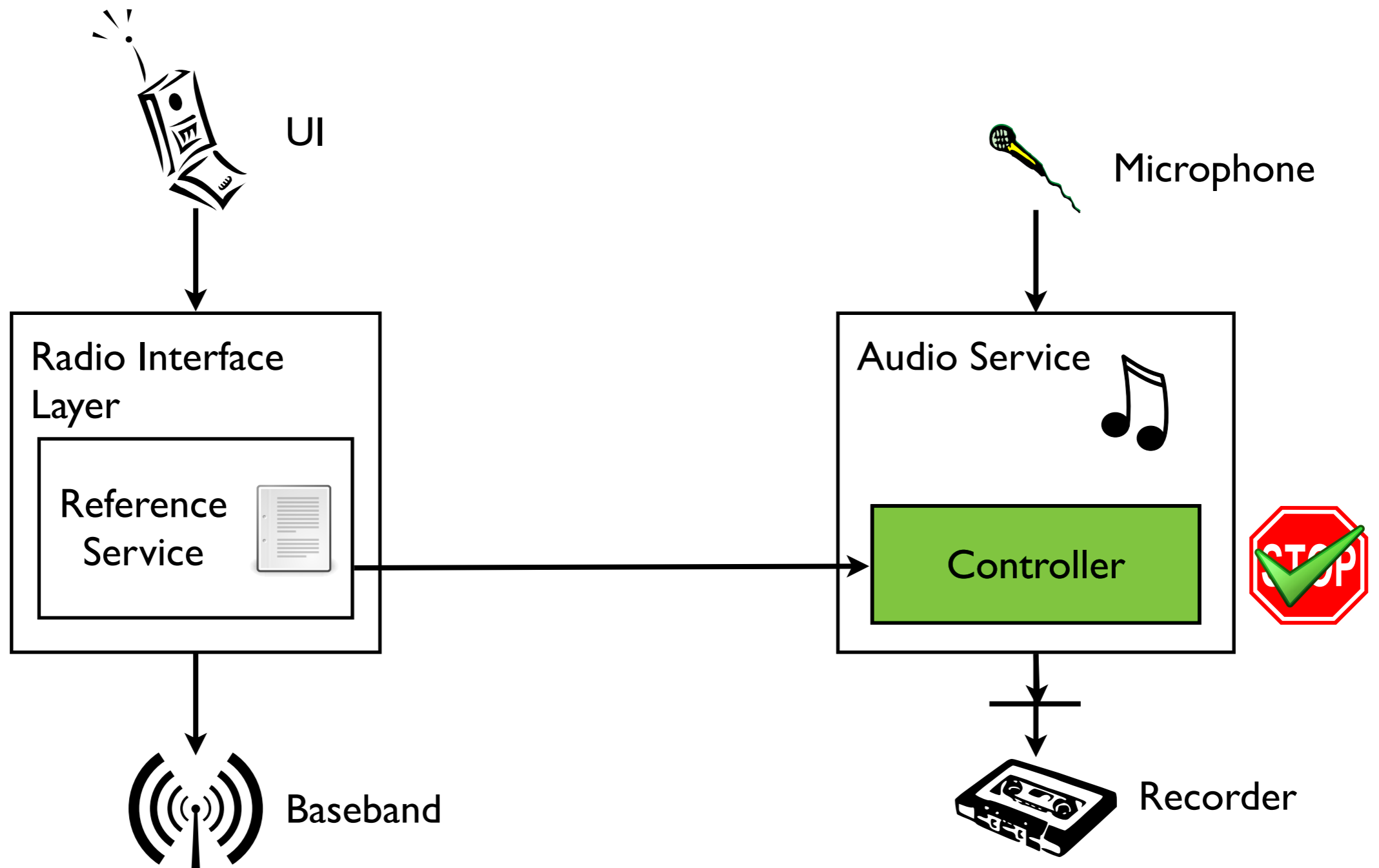
Threat of sensory malware



Soundcomber: Two trojans are stealthier than one



Defense: disable recording when a sensitive number is called



Research Directions

- **Milestone** Presented Soundcomber at NDSS
 - Press coverage!
- **Currently exploring** Situational awareness
 - Is the sensor in a trustworthy environment?
 - Overhear familiar people
- **Future?** Distributed mining
 - Distributed video processing to locate people?
- **Future?** Defensive architectures
 - Context aware sensor use