















## **Cellular Phone Eavesdropping**

- Inexpensive equipment for intercepting analog communications is easy to obtain in Canada.
- In US, the regulations authorize selling scanners to the general public only is cellular frequencies are blocked. However, there are several workarounds
  - Web sites publish modifications to restore reception of cellular frequencies by scanners.



- Frequency converters can translate cellular frequencies within the coverage of a receiver.
- With receivers using non quadrature mixing, the image frequency technique can be used.
- Digital communications can also be intercepted with the appropriate equipment!























## **Challenge: Introduction of new defense method in existing systems**

- Attack methods evolve
- Defence methods evolve

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• New defense methods are difficult to introduce in existing systems









