

## WEP - Wired Equivalent Privacy

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## WEP Features

- **Wired Equivalent Strength**
  - Very good replacement for wire physical properties.
  - Privacy strength actually better than many wire examples.
  - Not perfect, absolute privacy, is a good “wired equivalent”.
- **Efficient**
  - Fast
  - Less than one page of C code
- **Self synchronizing**
  - Each MSDU cryptographically independent
- **IP free**
  - Public domain algorithm
- **continued....**

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### WEP Features

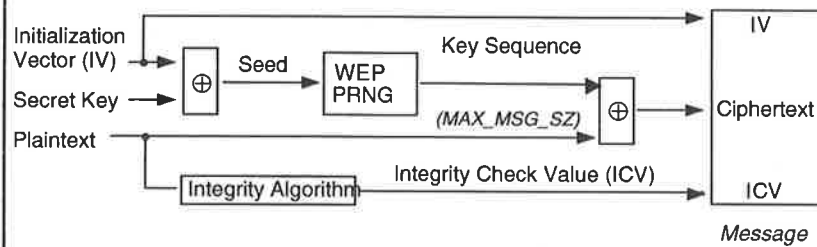
- **Designed for probable export**
  - Conforms to SPA guidelines
  - No guarantees
    - » that's now how the system works
- **An 802.11 option**
  - Because of export variability

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### WEP Encipher Block Diagram

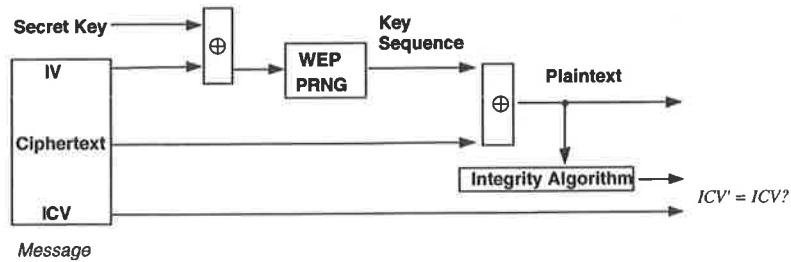


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## WEP Decryption Block Diagram



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## WEP Algorithm

- Less than one page of C code
- Very efficient
- Easy implementation in either software or hardware
- See 94/249 for algorithm details

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**Motion:**

- That the changes to B3 contained in 94/249 be adopted and incorporated in the 20B4 802.11 draft standard and that Issues 6.6 and 6.10 be closed and updated to reflect the adoption of the WEP proposal.