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 cryptographicly independent

- **IP free**
  - Public domain algorithm

- **continued....**
**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**

- Initialization Vector (IV)
- Secret Key
- Plaintext
- Seed
- WEP PRNG
- Key Sequence
- Ciphertext
- Integrity Check Value (ICV)
- Message
- IV
- ICV
WEP - Wired Equivalent Privacy

WEP Decryption Block Diagram

WEP Algorithm

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