Priority Assertion Signal Impacts on CCA

- **Priority Assertion Signal (PAS) is not a complete frame. May be some or all of the radio preamble.**
- **Detection of PAS could be different than detection of normal frame (Radio Preamble).**
- **Detection of PAS should be reliable in presences of collision.**
- **Probability of collision is higher for PAS than a normal frame.**
- **CCA is required to detect both PAS and Radio Preamble at any point in time.**
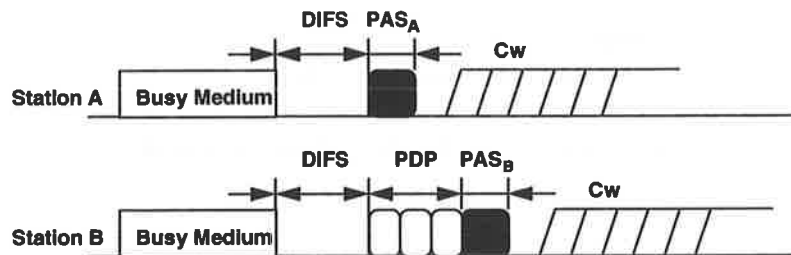- **A PAS could collide with a frame.**

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Effects of Unreliable Detection of PAS

- **False Detection of PAS**
  - Causes• station to unnecessarily• defer
- **Undetected PAS**
  - Could preempt or collide with higher priority traffic

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Priority Assertion Signal and Hidden Station

- A hidden station will not detect the PAS.
- The PAS from the hidden station may collided with a frame or may cause the media to appear busy to a higher priority station.

Priority Assertion Signal Detection

- Station A transmits PAS_A
- Station B does not detect PAS_A
- Station B transmits PAS_B in a later Priority Resolution Slot.
- PAS_B could collide with a frame from Station A or preempt Station A if it detects PAS_B