



Network Signal Processing

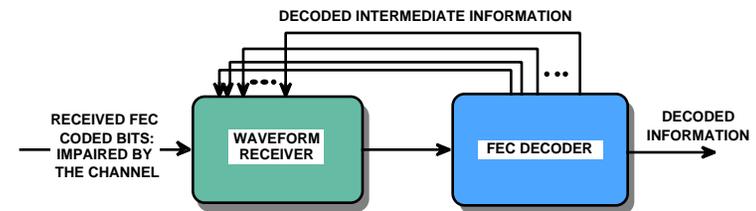
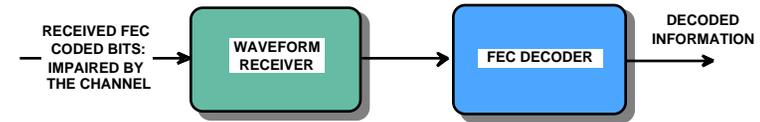


• Overall Objective

- Investigate, develop, test, and demonstrate advanced digital signal processing systems which enable the Deep Space Network (DSN) to meet its current and future requirements in an efficient, cost-effective, and reliable manner

– Goals and Products

- Develop new algorithms for incorporation into existing DSN telemetry receivers to improve performance under threshold conditions
- Develop advanced telemetry receiver designs that couple information between error-correcting decoder and waveform receiver subsystems to achieve significant performance improvement under threshold conditions



Low Threshold Receiver Structures

