WV Nation-wide Eclipse Balloon Project (NEBP)

Mission Concept

Contents:

* Mission Model Organization
* Analysis of Needs
  + Problem Statement
  + Mission Goals
  + Stakeholders
  + Domain Model (Block Definition Diagram (BDD)) – identifies needed systems and external systems our system needs to interact with
  + Top Level Use Cases
  + System Technical Performance Measures
* Requirements Specification
  + Requirements Diagram
  + Refine each use case with Activity Diagram
  + System Context – Internal Block Definition Diagram (IBD) to define needed interfaces
* Logical Architecture
  + Develop state machine for each block in BDD (which is same block in IBD)
  + Develop necessary activity diagrams to depict system behavior within each state
  + Develop operations that go in the activity diagrams (Blocks own operations)
  + Communication between blocks is achieved via Signals (Blocks own Signals)
  + Blocks need receptions to receive the Signals
* Simulate Logical Architecture

End of Mission Concept