
Model-Based Systems Engineering

Fundamentals and Methods

Patrice Micouin

Color section

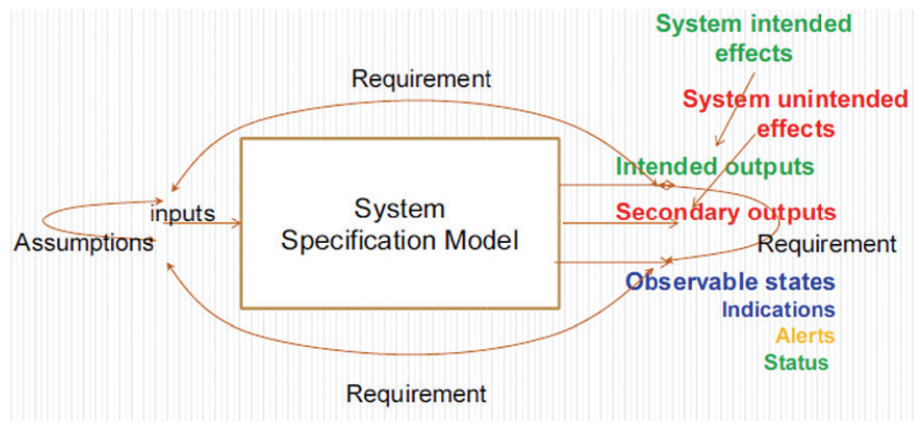


Figure 6.8. *System specification model*

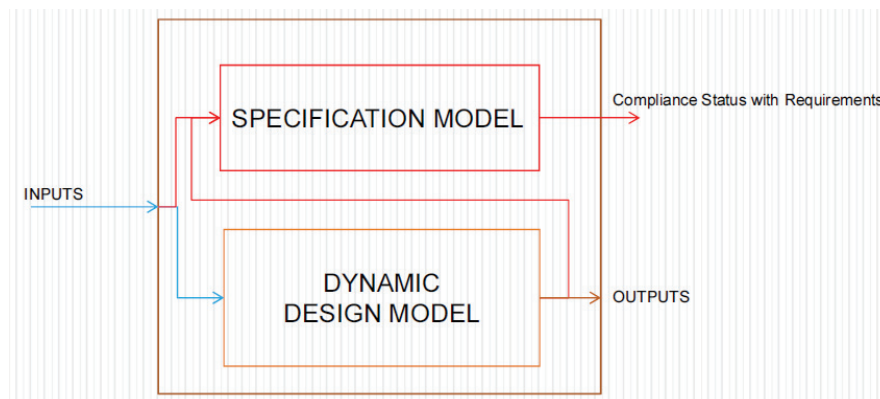


Figure 7.1. *Basic system model*

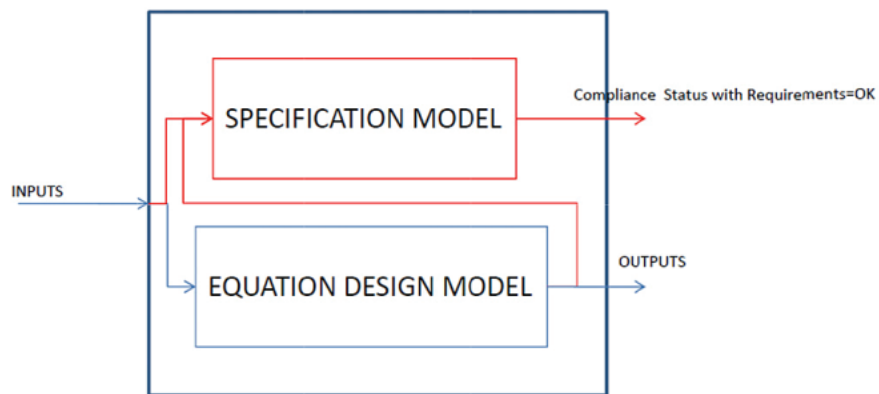


Figure 7.2. Basic system model including an equation design model

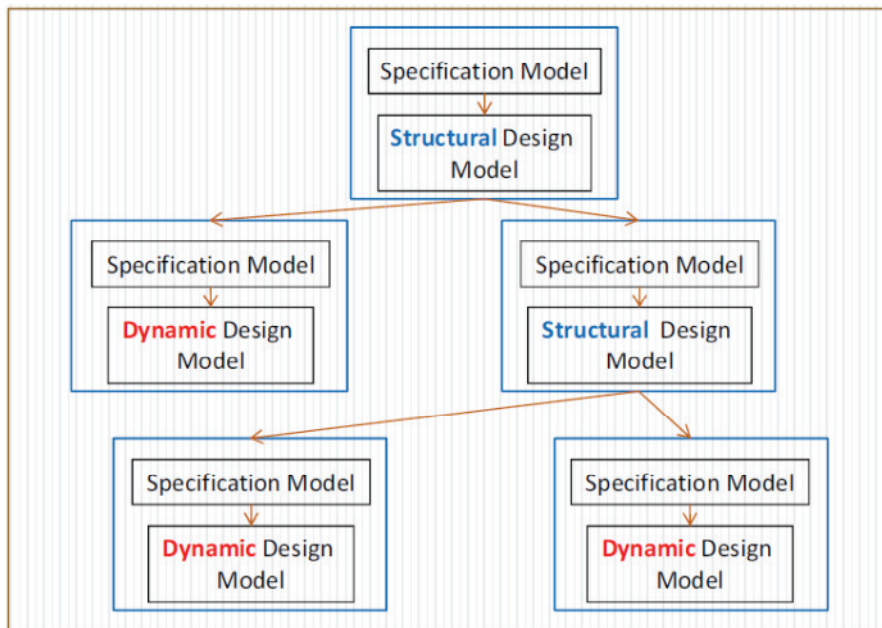


Figure 7.3. Composite system model.

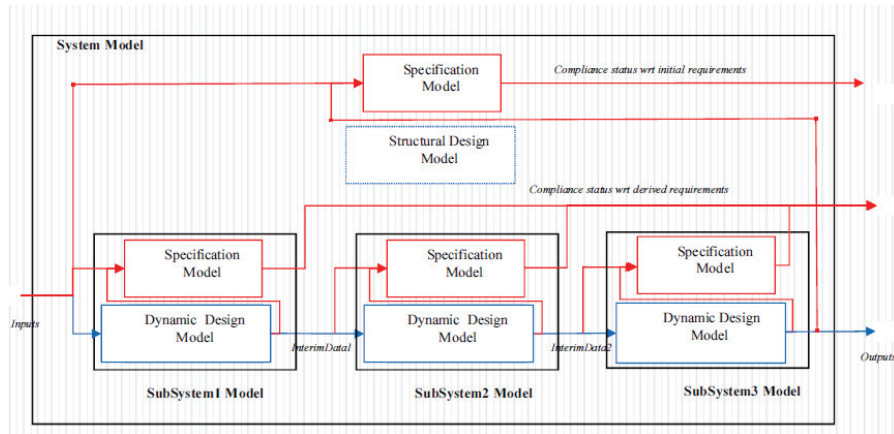


Figure 7.4. Composite system model

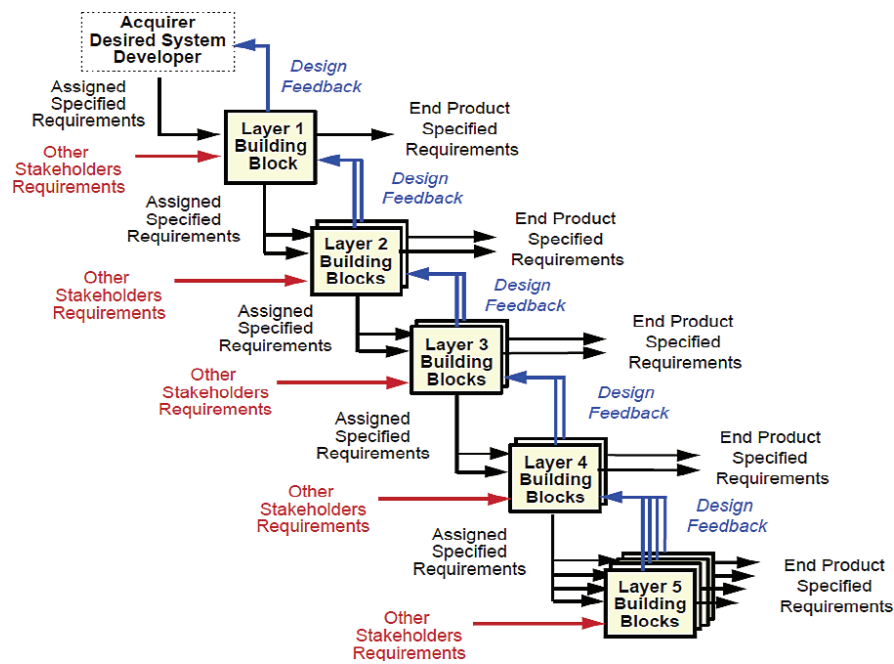


Figure 7.5. EIA632 system design process

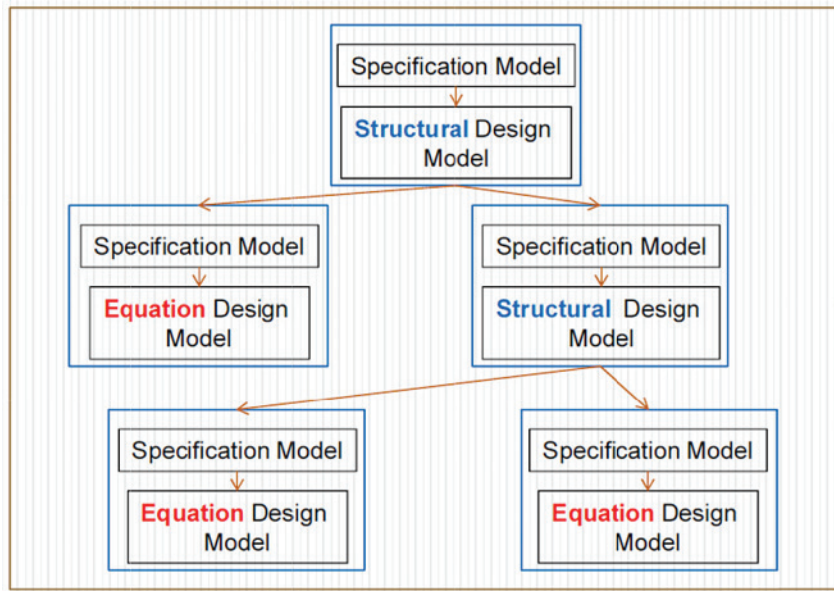


Figure 8.6. Specification model tree validation

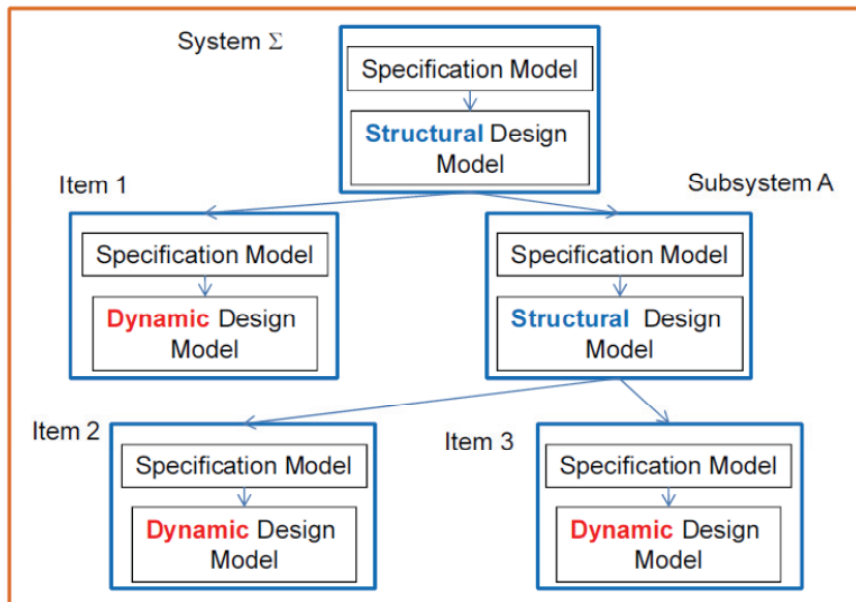


Figure 9.3. Composite system model

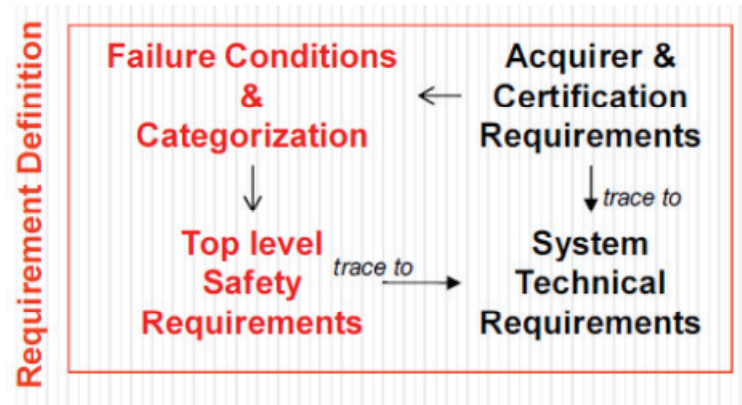


Figure 10.3. EIA632 requirement definition process extended to safety aspects

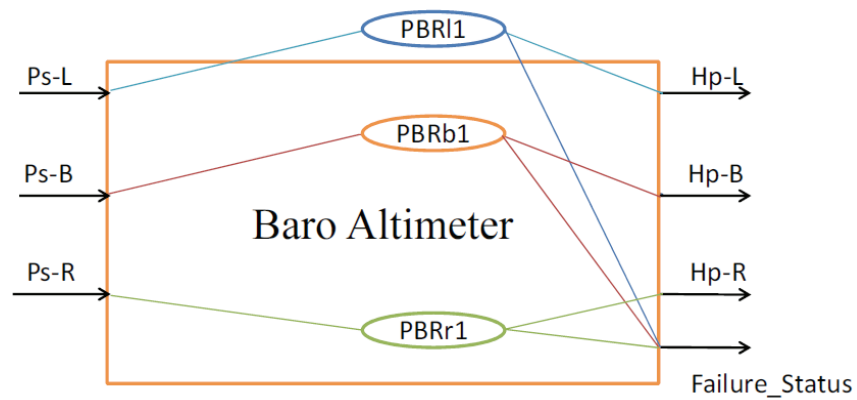


Figure 10.5. Baro-altimeter specification model

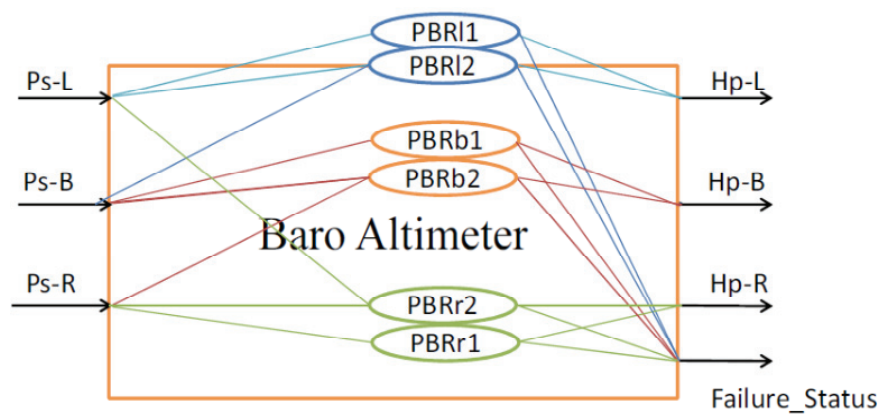


Figure 10.6. Fault-tolerant baro-altimeter specification model

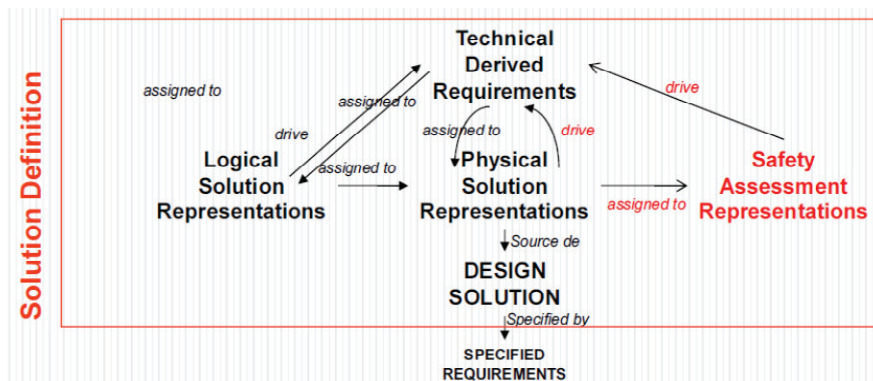


Figure 10.7. EIA632 solution definition process extended to safety aspects

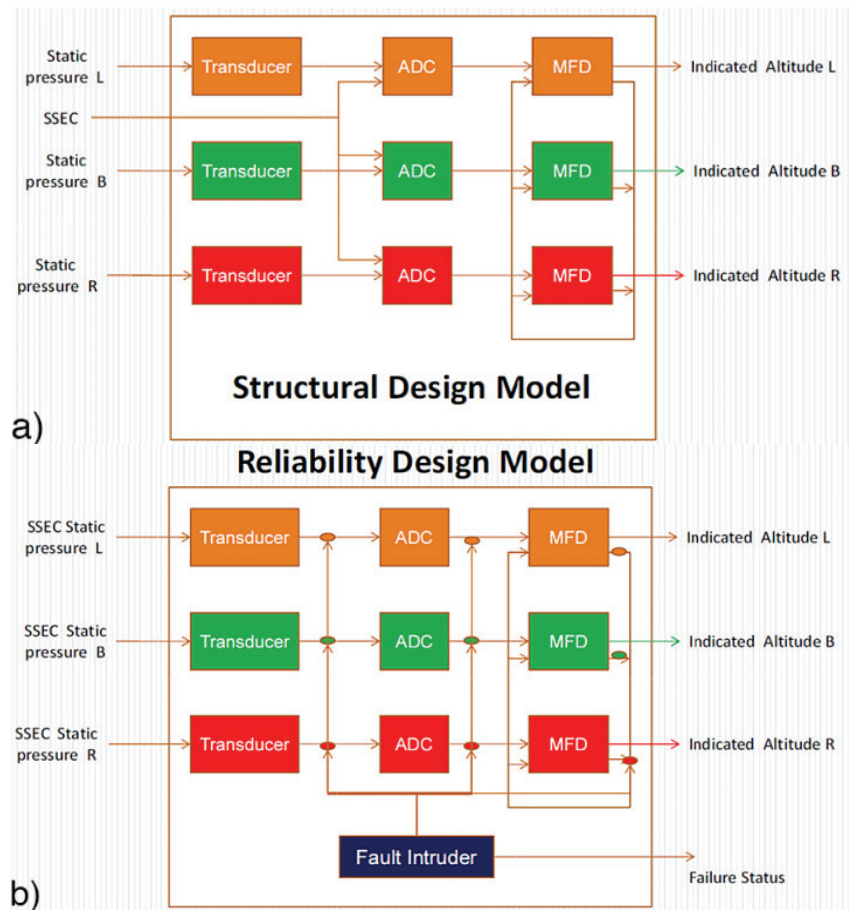


Figure 10.10. Reliability design model b) derived from a baro-altimeter structural design model a)

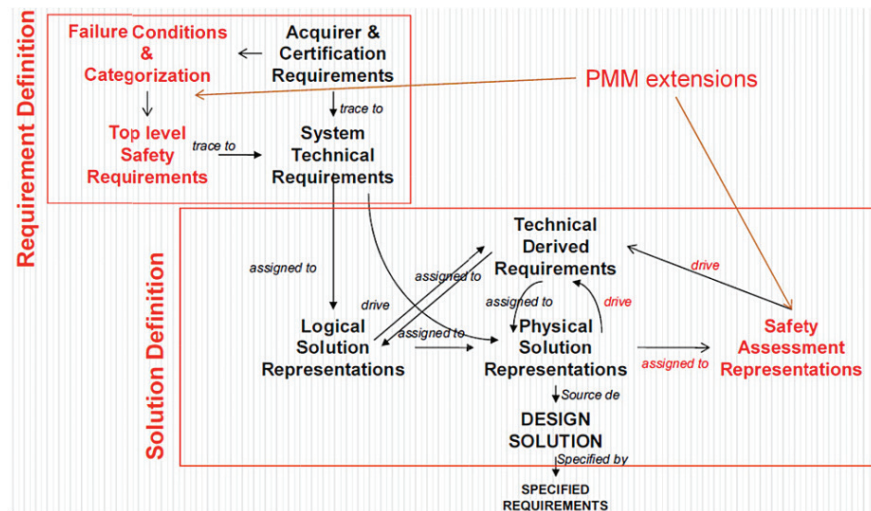


Figure 10.11. Extended EIA 632 design process model

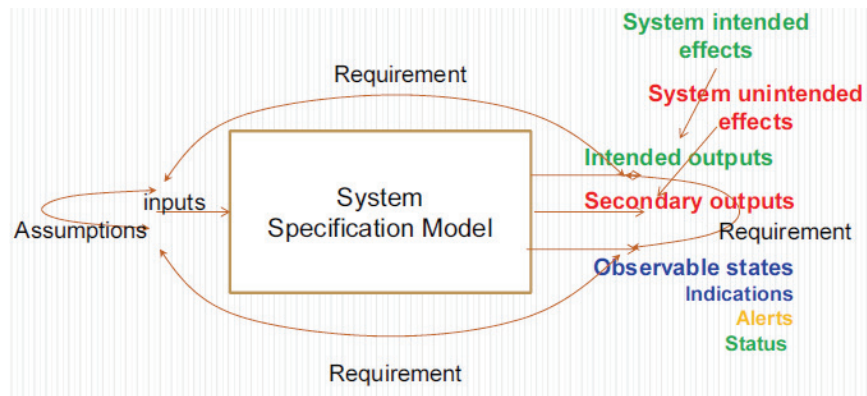


Figure 11.3. System specification model

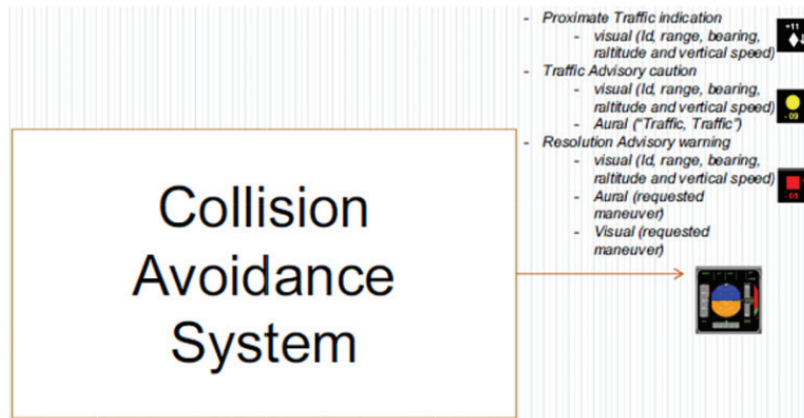


Figure 11.4. CAS specification model of intended functions

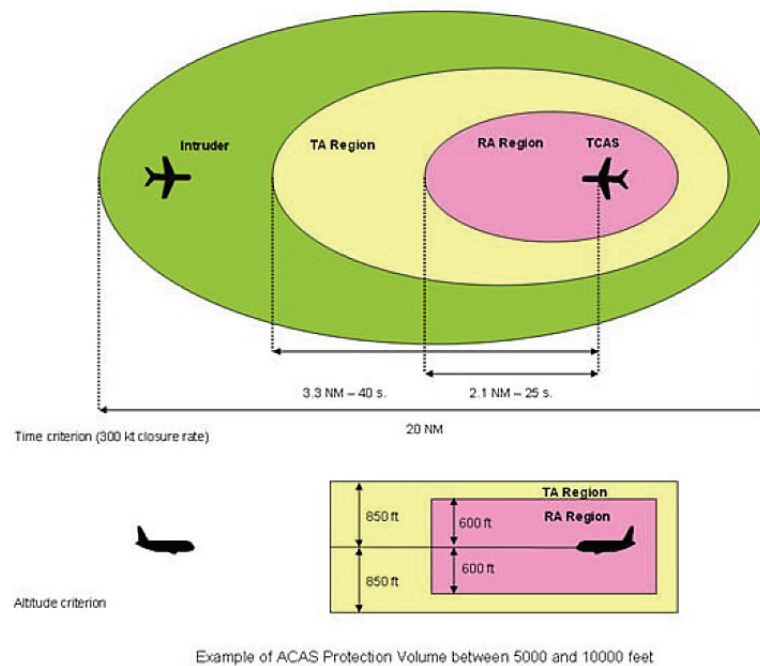


Figure 11.5. CAS protected volume and local environment representation

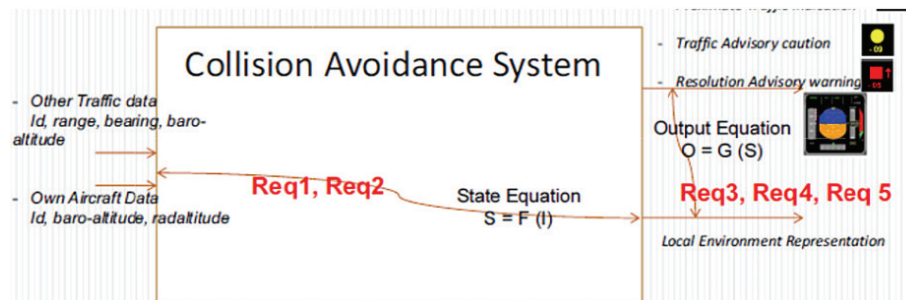


Figure 11.6. CAS specification model PBRs