Logical Model

In order to determine the effectiveness of the Genesis configuration management system, we will first define a logical model of the system.

Table : Genesis Logical Model

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| Situation / Problem: | * The Space Simulation is currently too difficult to configure. * It takes too much time to create and validate a scenario. * There are too many errors introduced through the use of the current configuration process. |
| Inputs (Resources): | * Scenario Information such as name and description. * The list of simulation subsystems to be used in this simulation. * Customer data of the spacecraft to model within the environment for this scenario. |
| Activities: | * Defining a scenario by providing the asked for details * Inputting spacecraft information * Editing both scenario and spacecraft information |
| Outputs : | * Defined scenario:   + Name   + Description   + Subsystems * Validated and Stored Spacecraft Data ready to be used within the simulation environment |
| Outcomes (Impacts) |  |
| Short Term | * Quicker configuration of scenarios between events * Higher scenario confidence |
| Mid Term | * Simulation data become defined and understood * Higher simulation reliability * The ability to run more customer events generating more cash flow |
| Long term | * The ability to alter this tool to work with other simulation environments within the company |