Intersection of MagicDraw PBS and WorkBench PBS

Solar Arrays

Propulsion Electronics

Communications

Mixed Oxides of Nitrogen fill and drain valve

Propulsion

Helium Tank Isolation Valve

Attitude Determination and Control System Control Electronics

Electrical Power System Harness

PROpulsion

Regulators and Converters

Receive Antenna

Receiver

Structures and mechanisms

FIREsat space segment

COMmunications

Helium Regulator

Power Control Unit

Payload

PreSsurant Tank (including gas)

Mixed Oxides of Nitrogen Tank Isolation Valve

Transmitter (including high power antenna)

Primary Flight Computer

Launch Vehicle Adapter

ProPellant Tank

Transmit Antenna

Lines and Fittings

Separation System

Primary Structure

Command and Data Handling

GPS Antenna

Lines and Fittings (6.35mm outside diameter line)

Solar Array Drive Assemblies

Data Harness

Battery (24 cells)

ADCS Control Electronics

Secondary Structure

Electrical Power System

NA

Propellant

GPS Receiver

Helium Fill and Drain Valve

Orbit Control Engine

Magnetometer

Magnetorquers

Attitude Determination and Control System and Guidance, Navigation and Control

Reaction Wheel

Structures and Mechanisms

Earth Sensor

Coatings and Blankets

Reaction Control Engines

Sun Sensor

Thermal Control

Here are displayed the 52 unique elements from the WB and MD PBS, in addition to the 14 relationships they have in common