Configuration Layout Addendum

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Aircraft CAD Model Conventions

Fuselage Station Planes are perpendicular to the X axis
Butt Line Planes are perpendicular to the Y axis
Water Line Planes are perpendicular to the Z axis
Aircraft CAD Model Conventions

Often, half of the aircraft model is created in the early stages of design.
• Conical Surfaces often used in aircraft model definition
Fuel Volumes

- CAD models are used to create solid models to determine fuel volume
General Arrangement Drawings

- Hidden Line Removal of the 3D CAD aircraft model is used to create General Arrangement Drawings
General Arrangement Drawings

- Lockheed Martin Liquid Fly-Back Booster ~1998
Questions?