

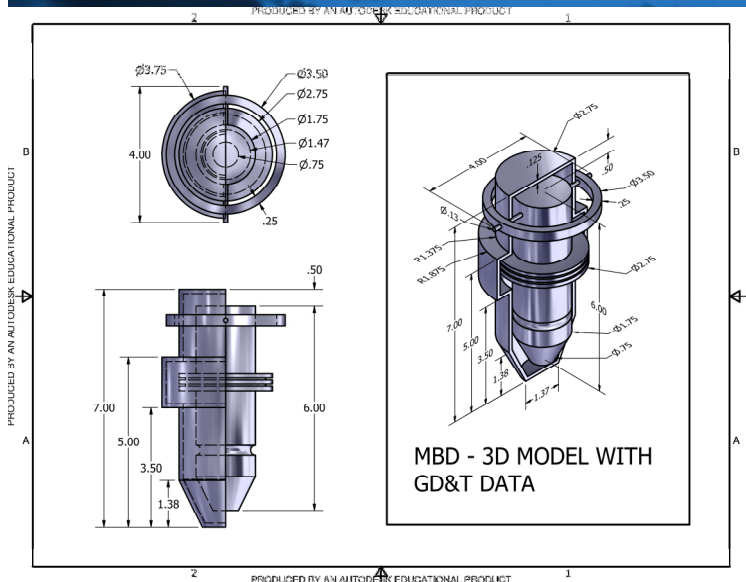
# AAATC

American Aerospace Technical Castings

## PRESENTATION

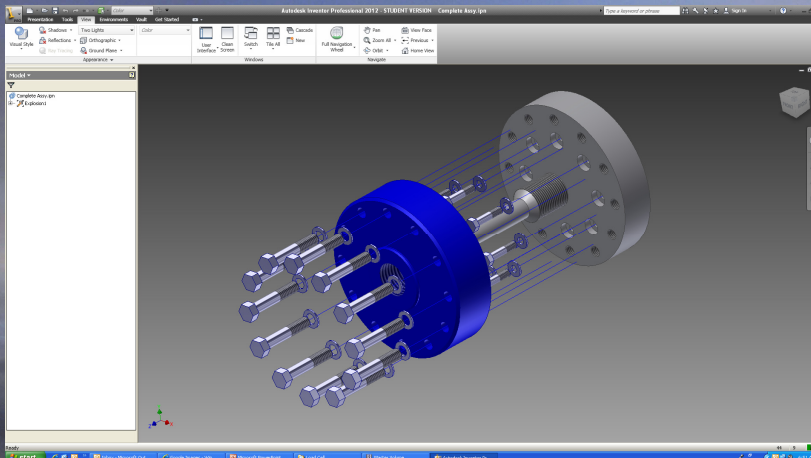
### DPD – DIGITAL PRODUCT DEFINITION

(REVISION 2013\_0907)



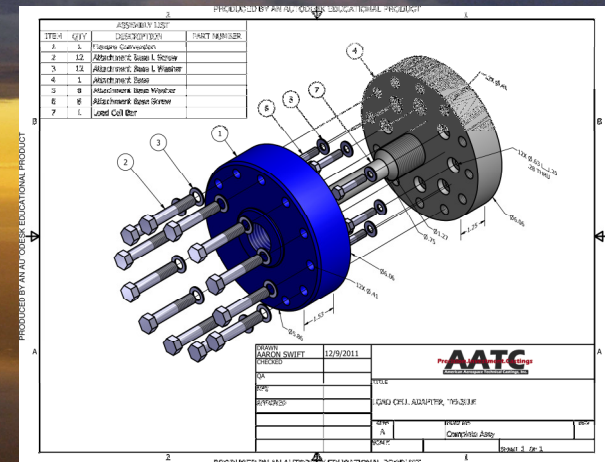
The electronic elements that specify the 3D Computer Aided Design (CAD) geometry and all design requirements for a product (including notations and parts lists), and the use of this data throughout an integrated CAD Systems, typically consisting of; Computer Aided Manufacturing (CAM); Coordinate Measurement Systems (CMS) and use of Coordinate Measurement Machines (CMM)

# DPD Intent



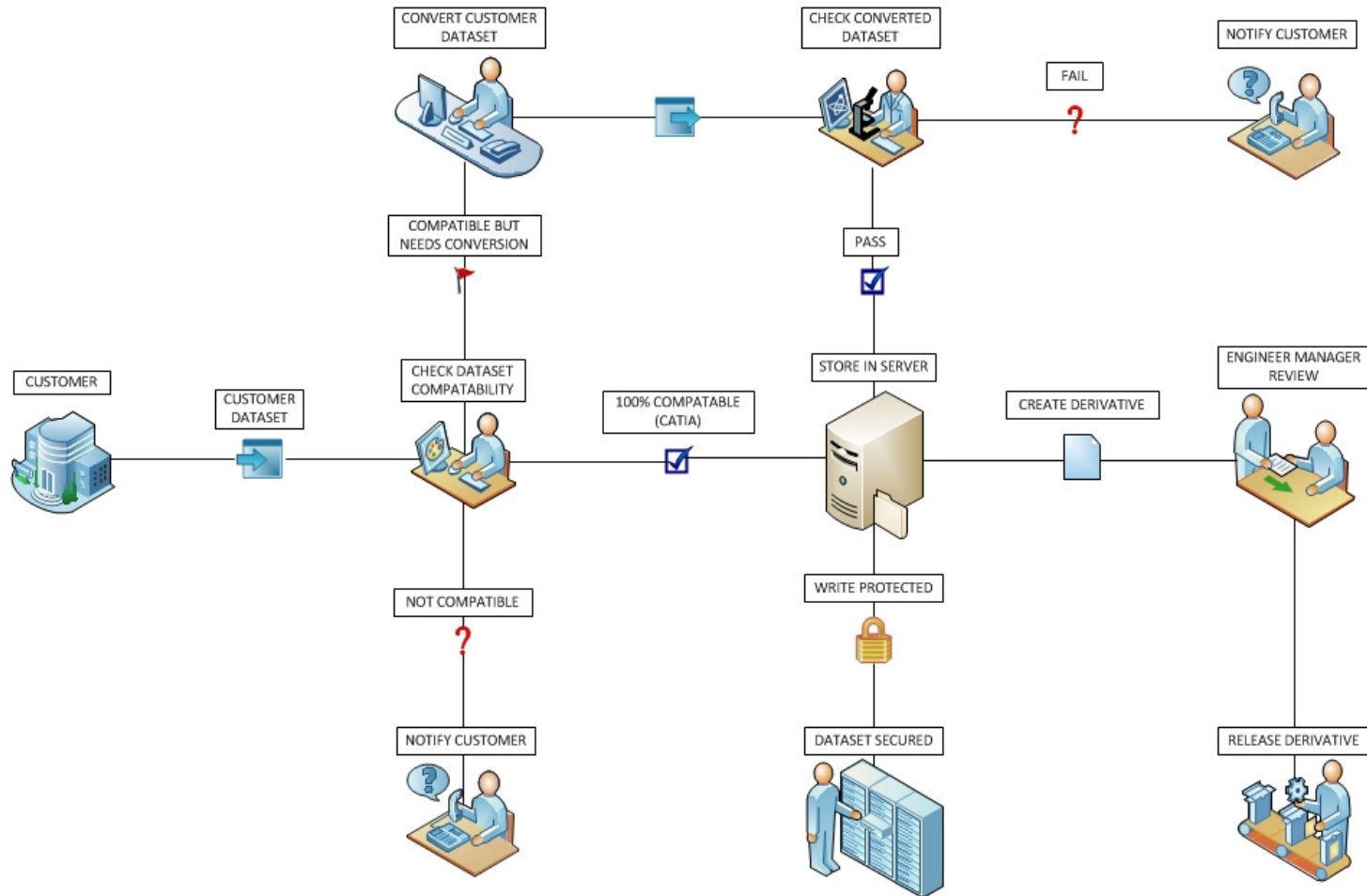
- Show Customers we have a documented process handling their Datasets.
- Ensuring the original authority Dataset are secured, backed up and can not be altered.

- A process for AATC to check Customer Dataset integrity upon receipt. (Kubotek)
- Dataset segregation by status. (Pending RFQ, released or obsolete)

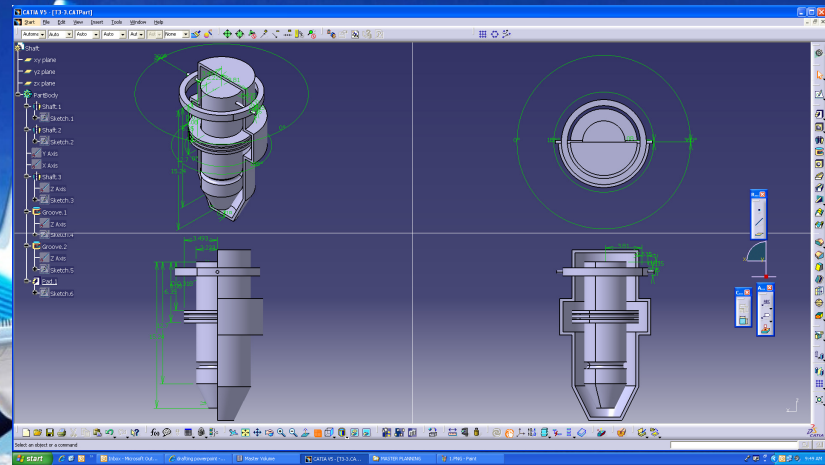




# Flow Diagram



# Dataset Security

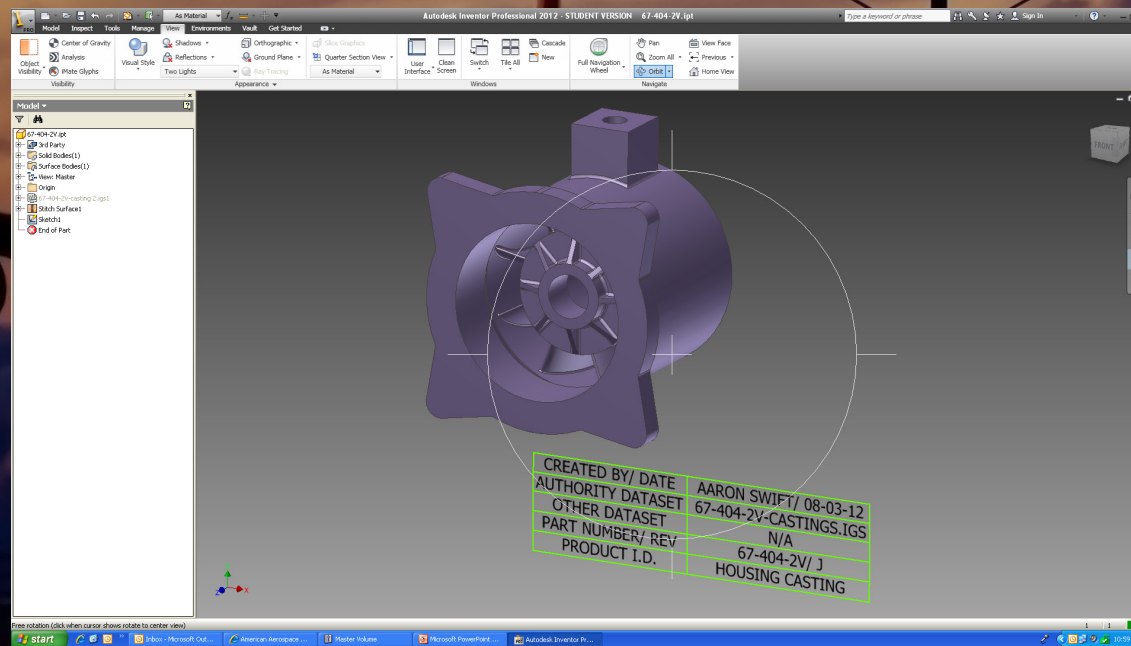


- All original Customer Datasets are write protected.
- Can only be accessed by authorized personnel.
- Preventing Original Authority Dataset from being modified



# Dataset Traceability

- Ensuring all Derivatives/Datasets trace back to original authority Dataset
- All Derivatives/Datasets will trace back to current Authority Dataset.



# 2D & 3D Derivatives

Aviation Aerospace Technical Castings, Inc. 5920 W. Catalina Street Phoenix, AZ 85017 Phone: 602.255-1467 Fax: 602.978-2814

### PROCESS INSTRUCTIONS

CUSTOMER: GOODRICH AERO P/N: 745-0107-507 P/N REV: K

**DEGATE**  
SEE PICTURE OR DRAWING FOR GATE LOCATION

KEY DIMENSIONS: N/A GATE WITNESS ALLOWED: .015 - .030

**DEBURR**

KEY DIMENSIONS: WEB THICKNESS .080 +/- .015 GATE WITNESS ALLOWED: SEE NOTE BELOW SURFACE FINISH: .250  
& .500 +/- .020 ALL OTHERS FLUSH

WELD REPAIR: ALLOWED PER AMS 2994 PARTING LINES: ALLOWED UP TO .015

**STRAIGHTENING**

KEY DIMENSIONS: USE STRAIGHTENING FIXTURE & CHECK FIXTURE 2.56 +/- .03 AND 4.00 +/- .03  
STRAIGHTNESS = .000 FIRST INCH PLUS .004 FOR EACH ADDITIONAL INCH

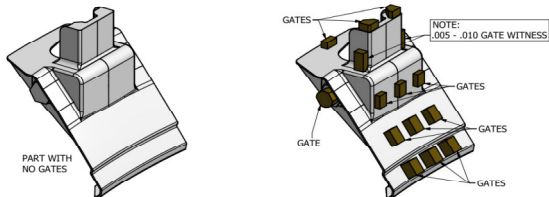
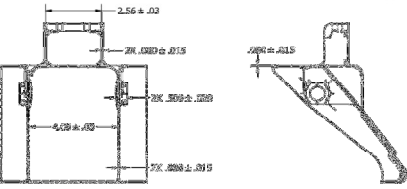
MATERIAL: 17-3 ANNEAL TEMP: 1900 +/- 25 SPECIFICATION: AMS 5543

HOT PRESS REQUIRED: YES HOT OVEN TEMP: 1875 +/- 25 STRAIGHTENING FIXTURE: YES  
(CAN NOT EXCEED ANNEAL TEMP)

NOTE 1: PLACE ONE PART IN THE HOT OVEN & LET IT SOAK AT THE NOTED TEMP FOR A MINIMUM OF 5 MINUTES.  
NOTE 2: ONLY PULL & STRAIGHTEN ONE PART AT A TIME FROM THE HOT OVEN ONCE THE PART HAS REACHED TEMP.  
NOTE 3: LEAVE THE PART TO COOL DOWN IN THE STRAIGHTENING FIXTURE (IF APPLICABLE) FOR A MINIMUM A 5 MINUTES.  
STRAIGHTENING PROCESS PARAMETERS SHALL BE ESTABLISHED PER RPS 16.01 & BAC 5300

**GENERAL COMMENTS**

DIMENSIONAL: .XX = N/A .XXX = N/A MACHINE STOCK: NO YES  STOCK INDICATED BY SHADED AREA

**RED LETTERS =**

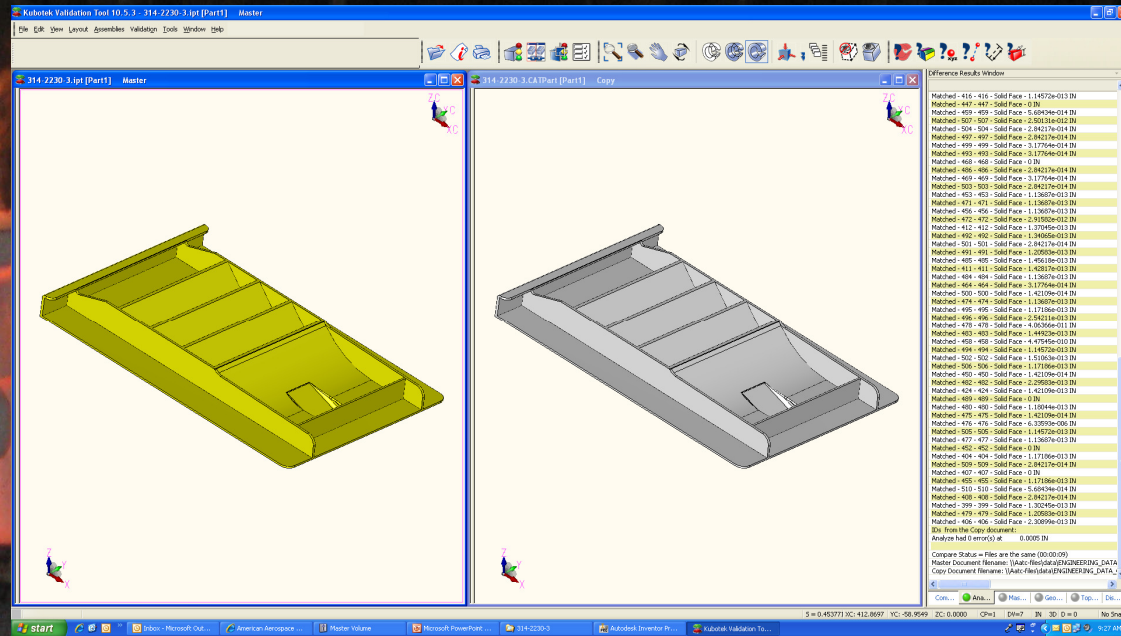
April 13, 2012 (TECHNIQUE REVISION DATE) G (REVISION LETTER)

ENGINEERING: CARLOS DE LEON QUALITY ASSURANCE: DAVID M. ELLIS  
AP-2101-2 Note: Original Signatures on File @ AATC Note: Original Signatures on File @ AATC

- Traceable back to Authority Dataset
- Ensuring special instructions pertain to respective departments



# Dataset Flowdown



- Ensure dataset accuracy before sending to Supplier