# A COUNTERFEIT COMPONENT CASE HISTORY

**Bob Lowry** 

**Electronic Materials Consultant** 

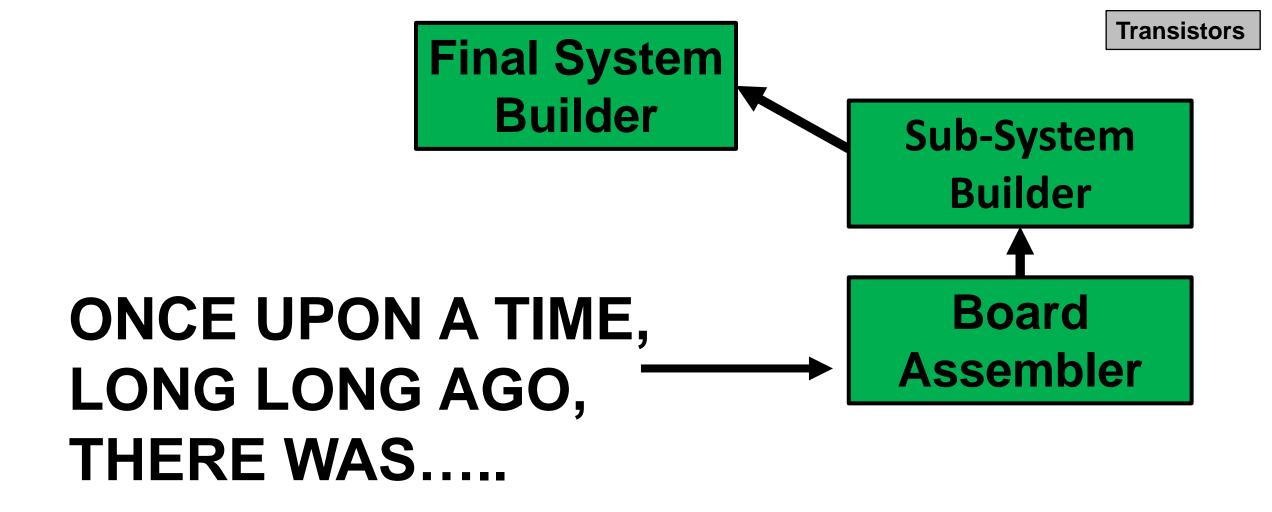
**3000 Purple Martin Lane** 

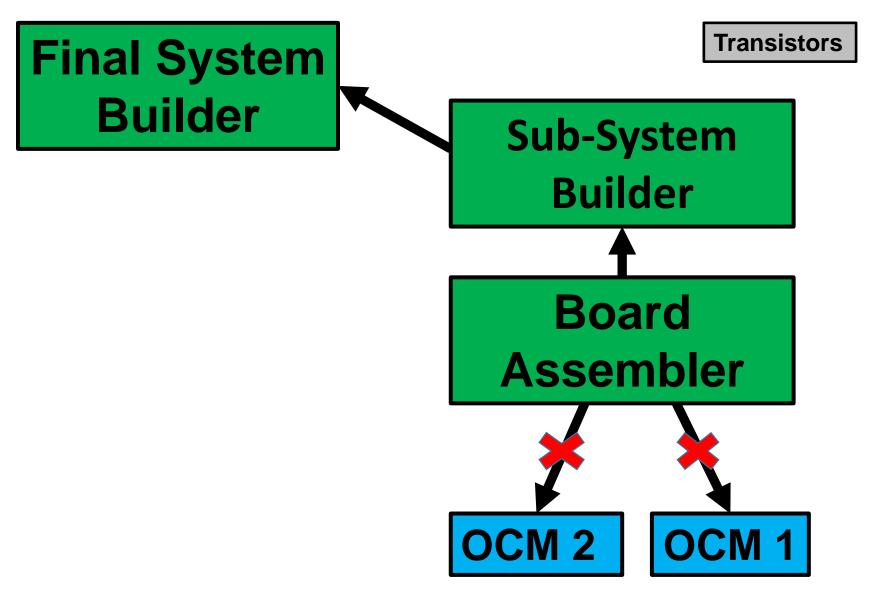
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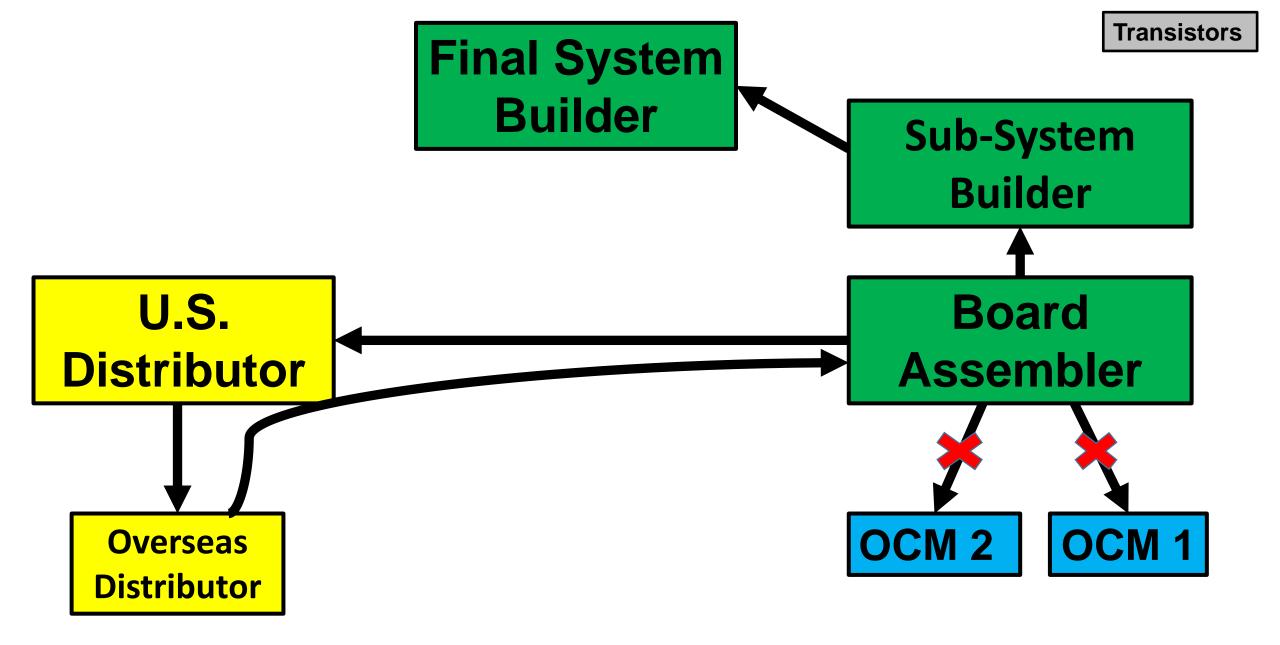
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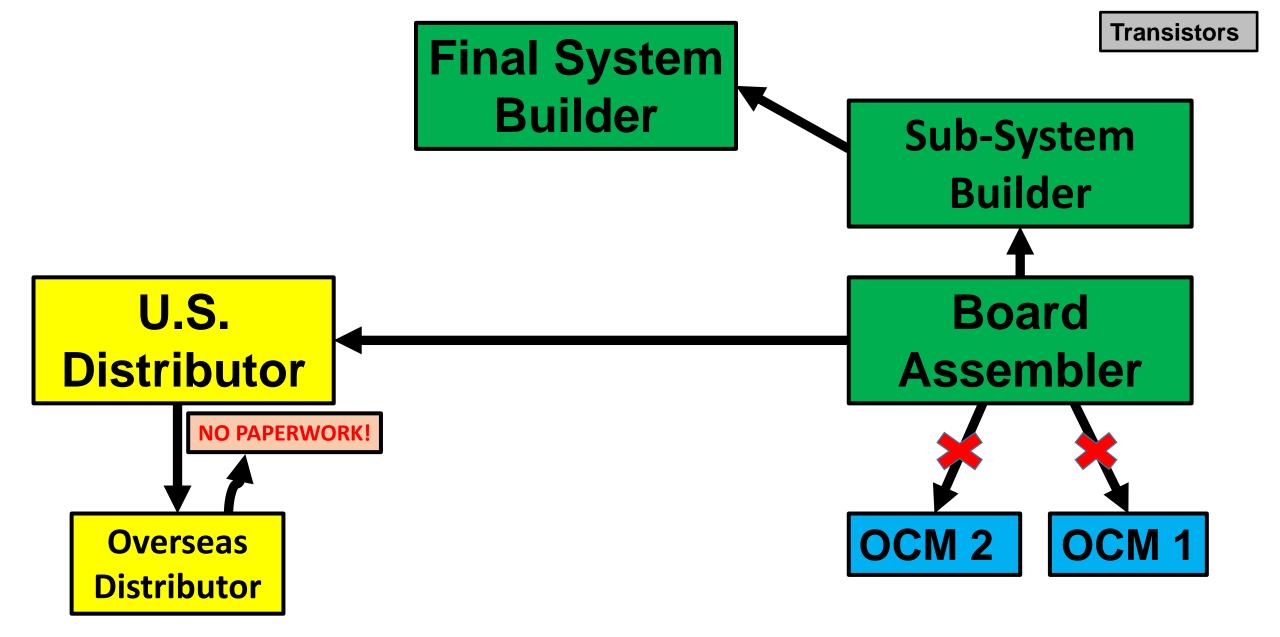
rlowry98@aol.com

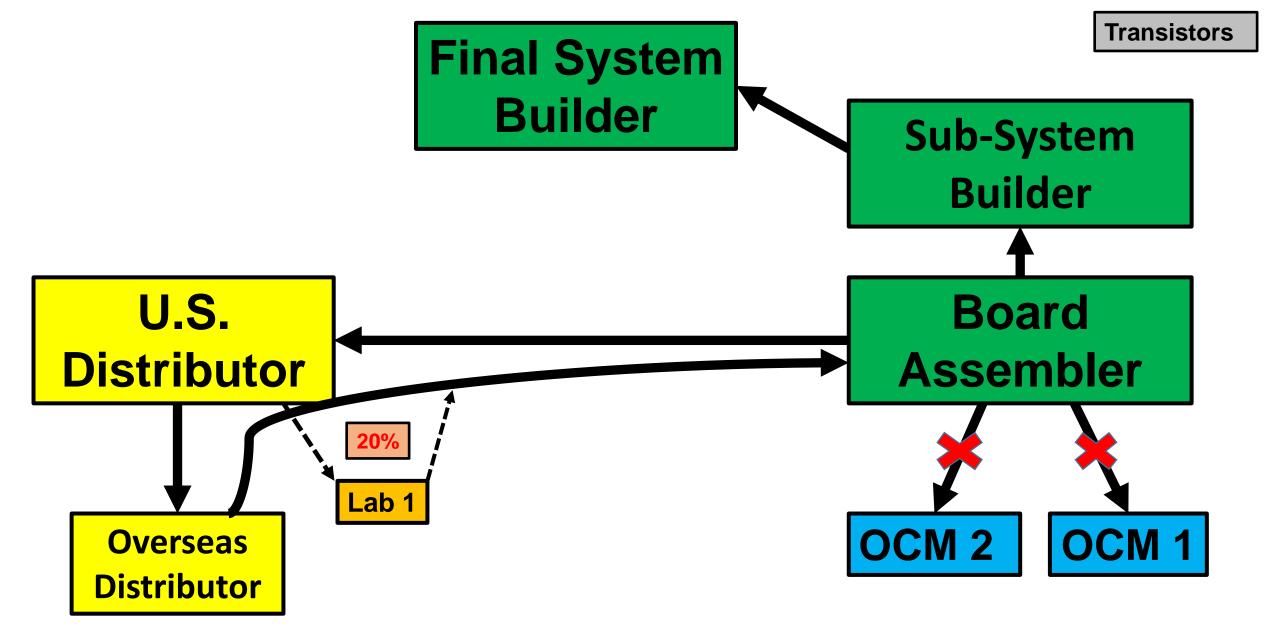
#### A SORDID TALE OF NEGLECTED PRODUCT QUALITY, DRIVEN BY AVARICE AND SCHEDULE

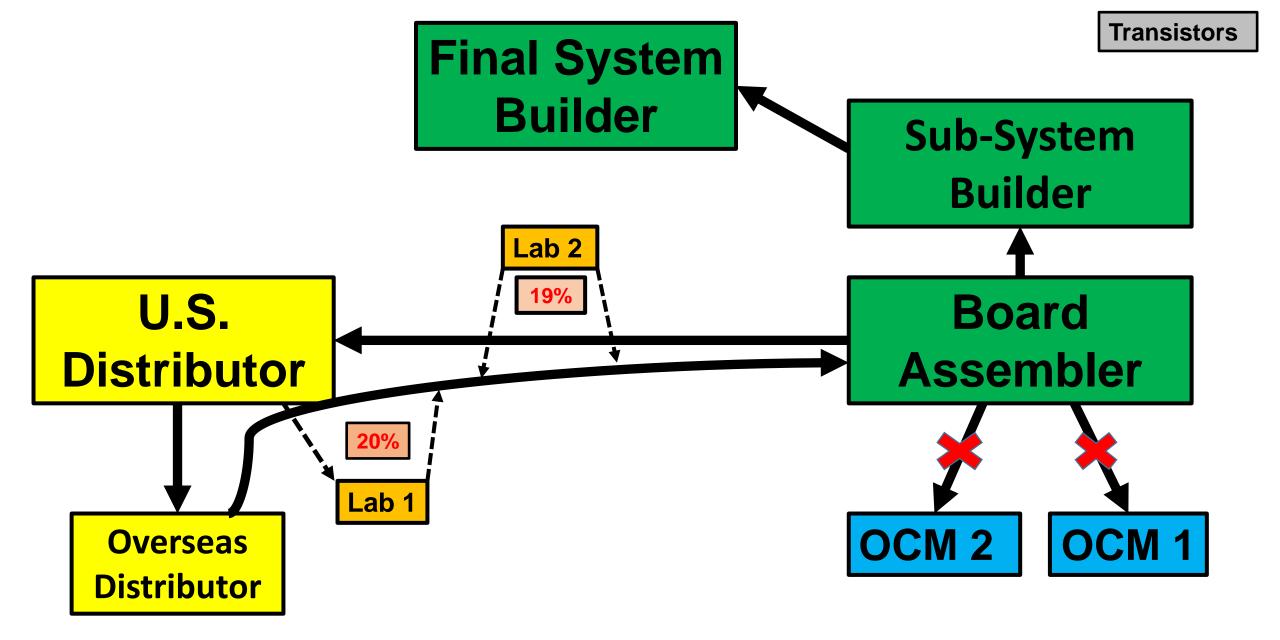


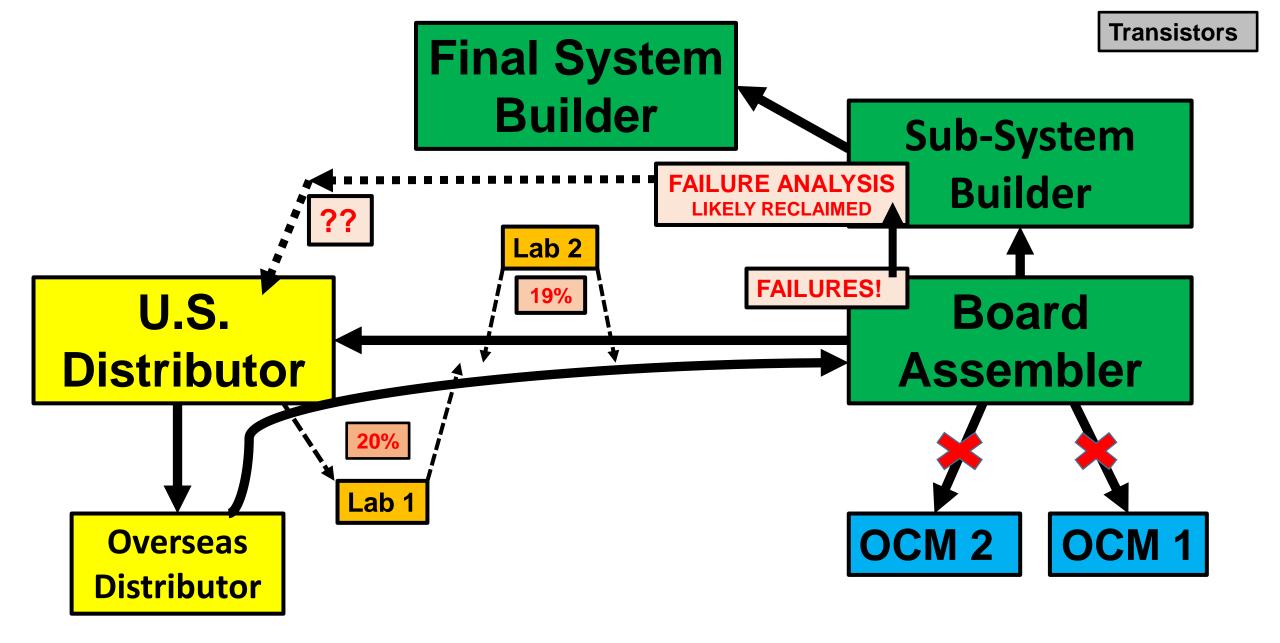


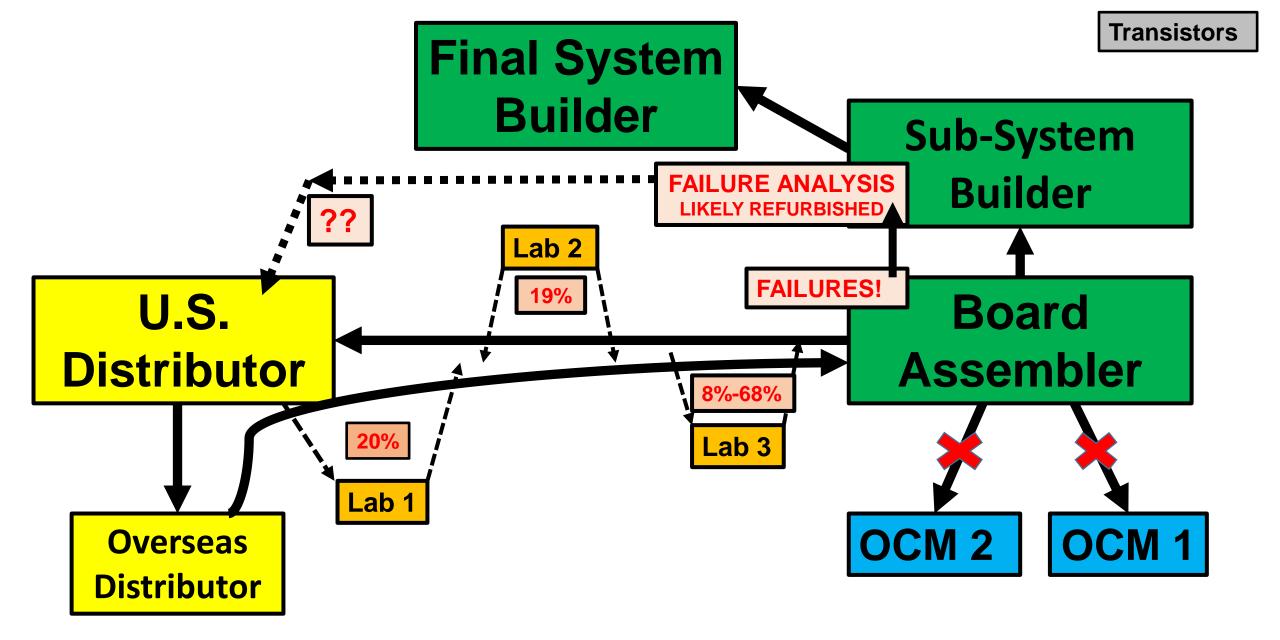


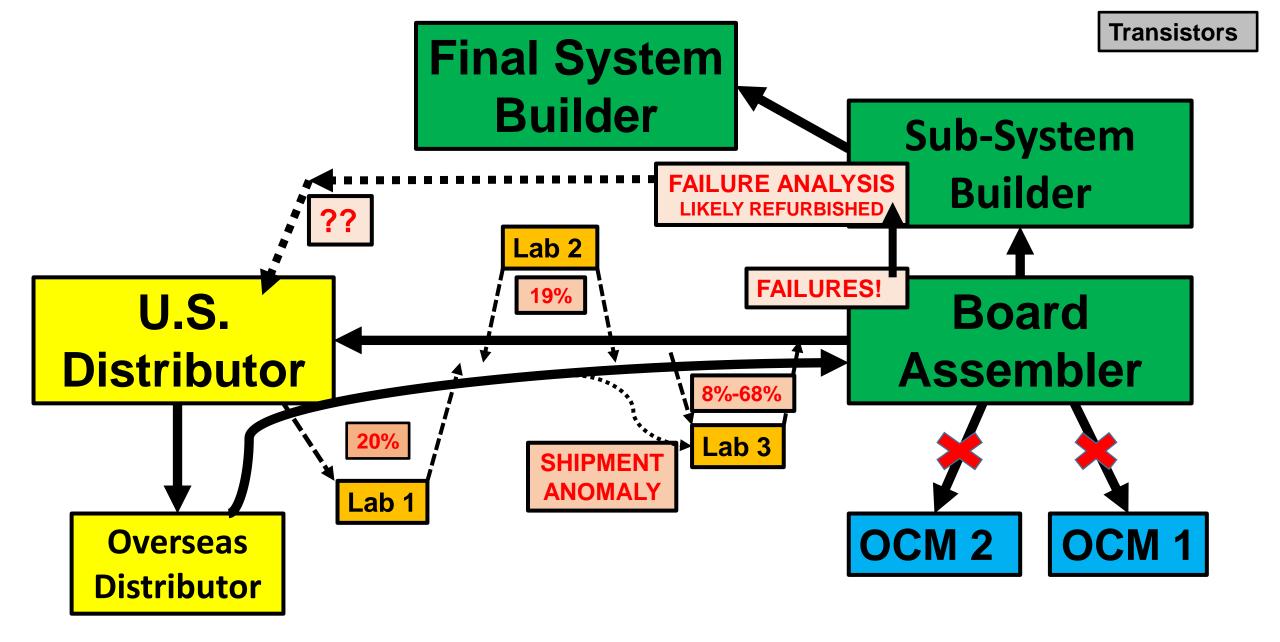










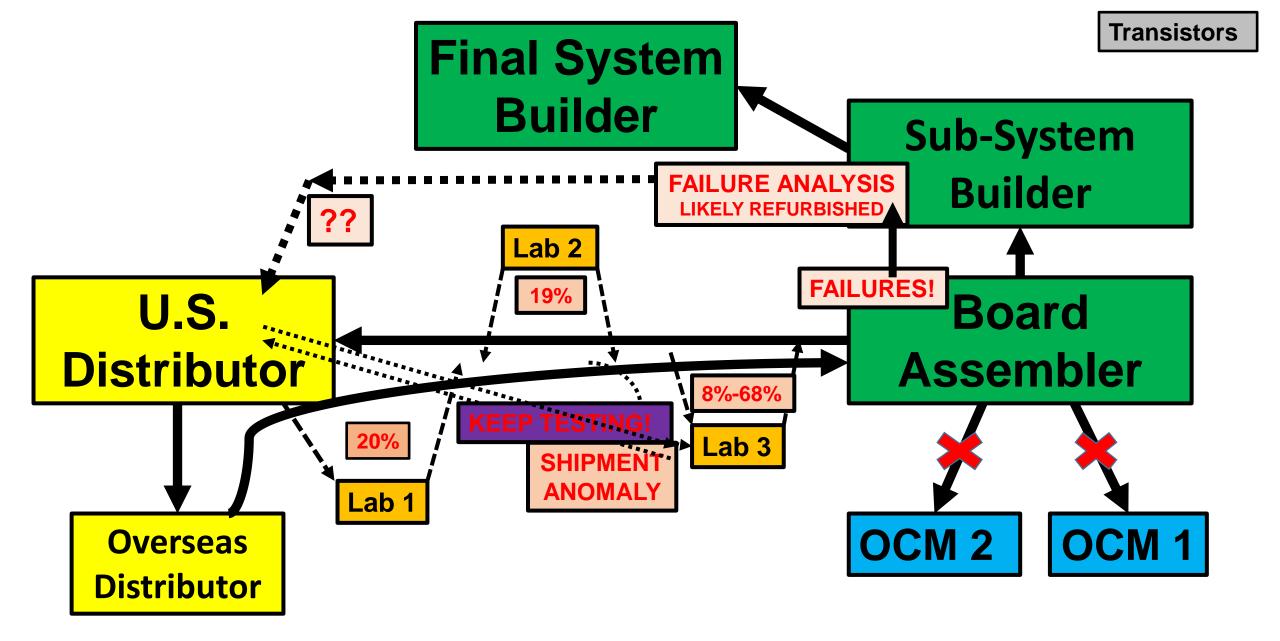


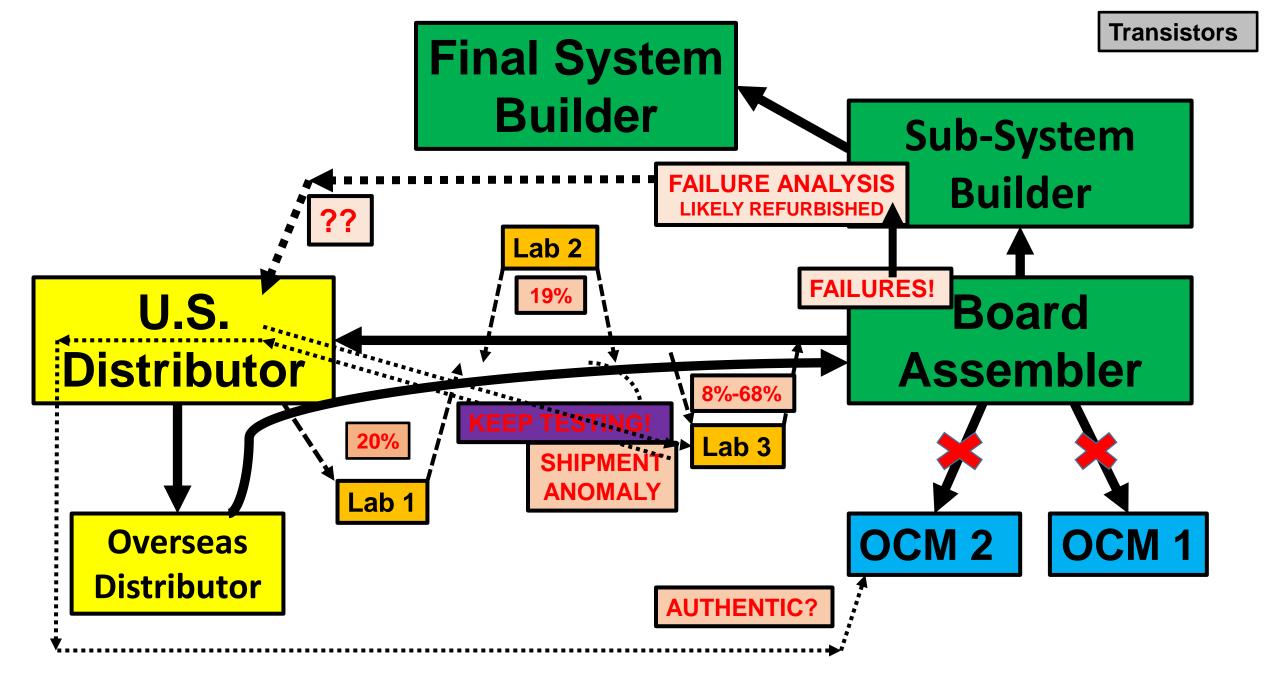
## PRODUCT FOR GROUP A ELECTRICAL TESTING ARRIVED IN THIS BOX

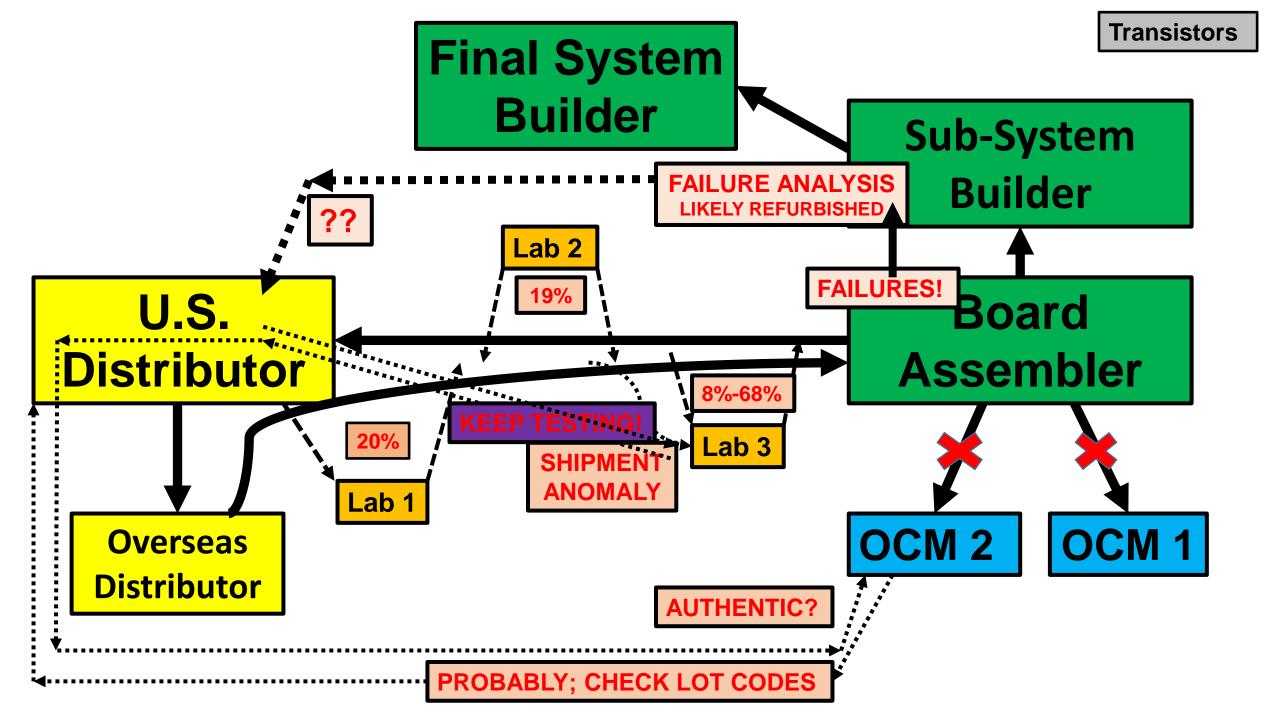
ANALOG

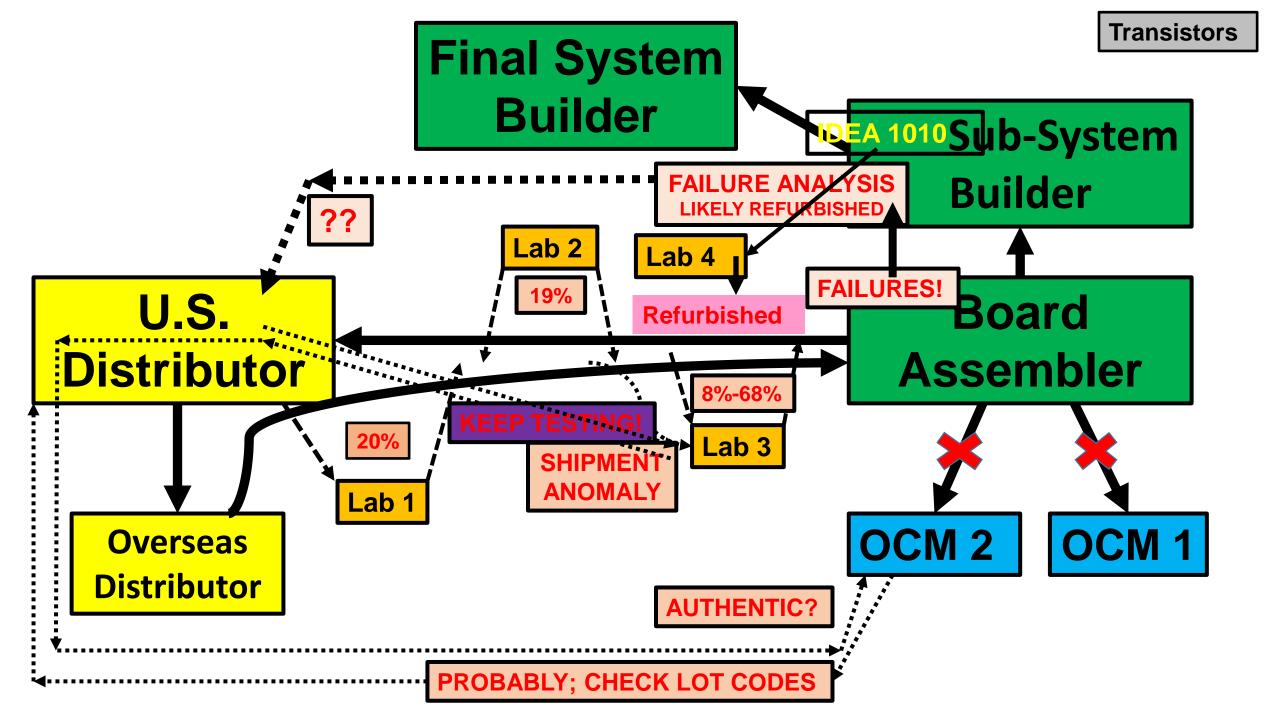
#### **PRODUCT INSIDE THE BOX...**

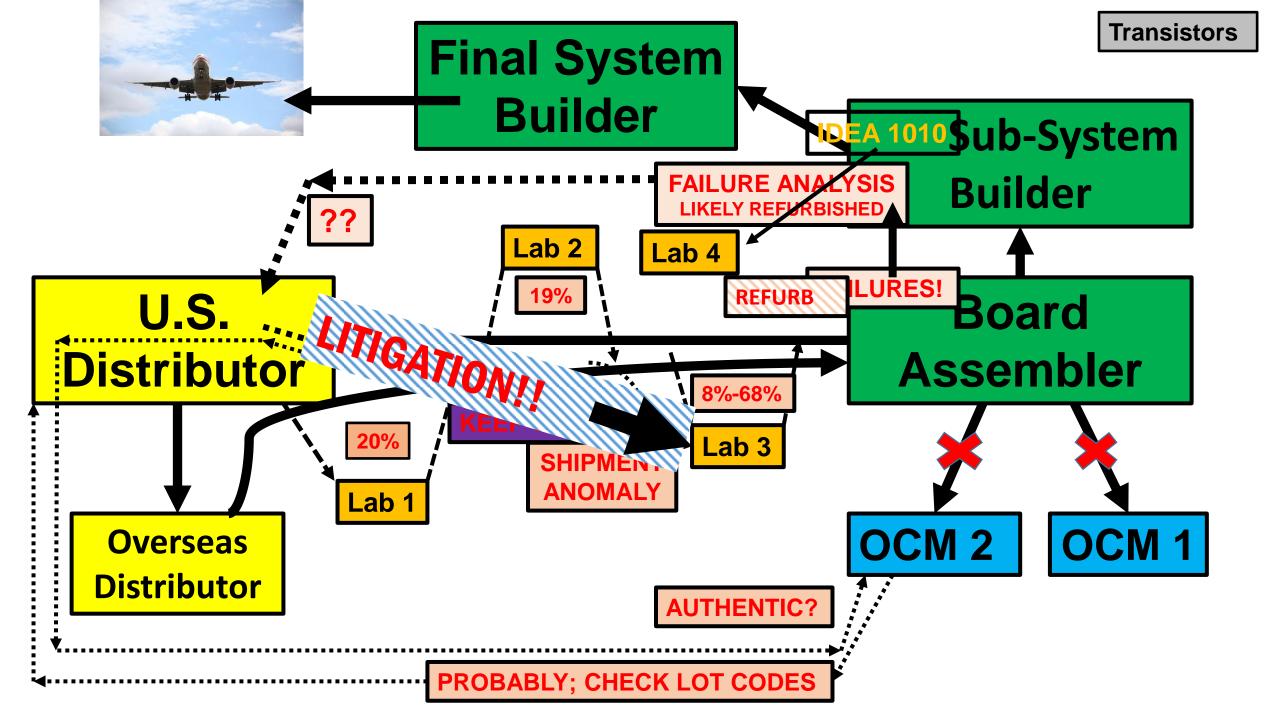






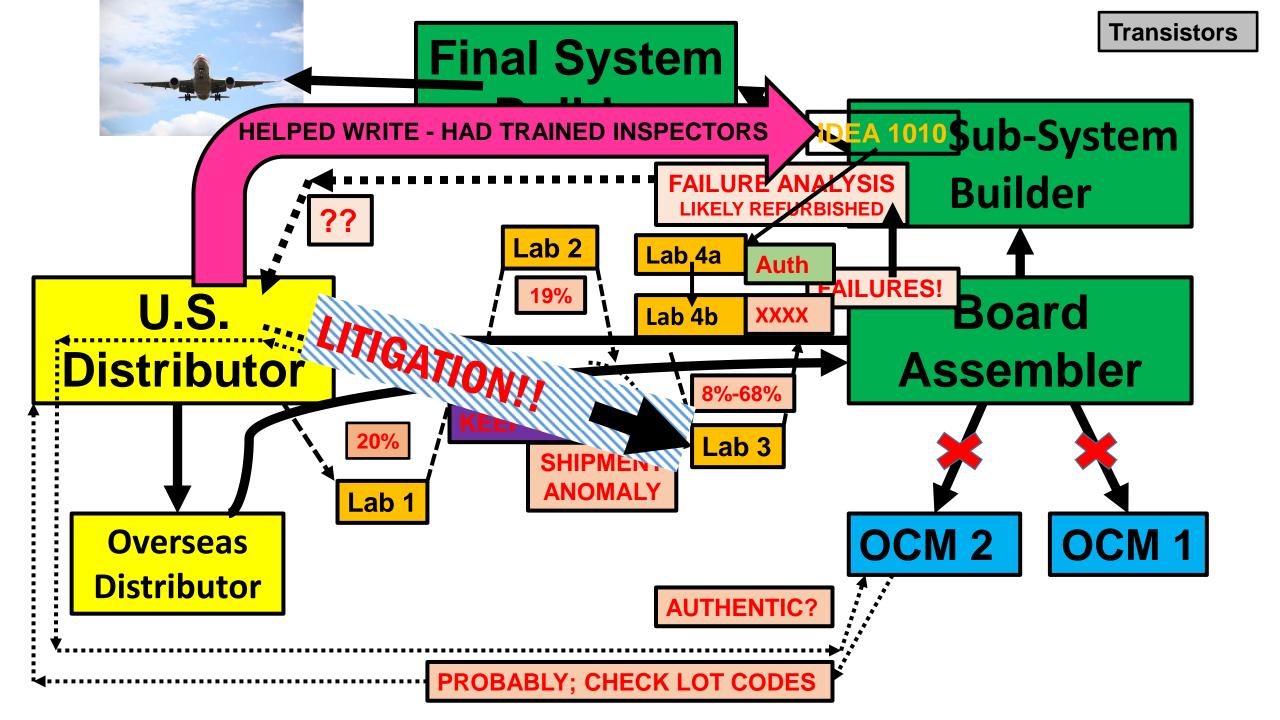






## LITIGATION: DISTRIBUTOR v. LAB 3

- Distributor requested quote for Group A electrical testing.
- Lab provided quote solely for Group A electrical testing.
- Distributor provided purchase order specifying Group A electrical testing.
- Distributor sued Lab 3 for not conducting IDEA-Std-1010 inspection.
- No inspection for authenticity was part of request for quote, the quote provided, or the purchase order (a binding contract) issued.





#### There was no concern for quality in the relationship between the Distributor and the Board Assembler!

Goods sourced from China

- Product shipments with no paperwork
- Lab 1, 20% Group A electrical fail rate
- Lab 2, 19% Group A electrical fail rate
- Visual inspection failures: bent leads, oxidized leads, cracked glass
- Board failures, FA showed transistors re-furbished
- Lab 3, 8%-68% Group A electrical fail rate

IR goods in AD boxes

Disregard of PDA guidelines in Mil 19500



### DISTRIBUTOR PROFIT

### SYSTEM BUILDER SCHEDULE

(340%+ MARGIN)

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#### DON'T LET AVARICE OR SCHEDULE TRAP YOU INTO USING COUNTERFEIT DEVICES: DO DUE DILIGENCE

# AVOID NON-AUTHORIZED DISTRIBUTORS GET OCM TRACEABILITY USE DMS RESOURCES RUTHLESSLY INSPECT: DOCUMENTS, CARTONS, DEVICES