

ELIMINATION OF CADMIUM PLATING

OC-ALC/MXPPE
GLEN H. GRAHAM
TINKER AF, OK

HISTORY of EFFORTS

- IVD INSTALLED 1987
- 1989 DIRECTIVE
- ATTEMPTS FOR ALTERNATES APPROVAL
- 1991 CADMIUM REMOVED FROM PLATING SHOP
- APPROVAL PROCESS

EARLY EFFORTS

- ELECTROLESS NICKEL
- INSTALLATION OF IVD ALUMINUM
- 1989 DIRECTIVE
- MEETINGS WITH ENGINEERS
- ALKALINE ZINC/NICKEL

FINAL ELIMINATION

- ENGINEERING NOTIFICATION OF REMOVAL CADMIUM FROM PLATING LINE
- LIST OF ALTERNATIVES
- PART BY PART CHANGE TO ALTERNATES

ALKALINE ZINC/NICKEL

- ENGINEERING PRIMARY CHOICE
- TESTING RESULTS
- LIMITATIONS
- BOEING APPROVAL 14 YEARS LATER

SUMMARY

- FORCED CHANGE
- SUCCESSFUL TRANSITION
- TIME PROVEN SUCCESS