



GIDEP - Benefits and Participation

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Innovation You Can Count On™



AGENDA FOR TODAY

- **WHAT IS THE GIDEP PROGRAM**
- **BENEFITS OF THE PROGRAM**
- **REASONS GIVEN FOR NOT PARTICIPATING**
- **AN EFFECTIVE GIDEP SYSTEM**
- **SUMMARY/Q&A**

WHAT IS GIDEP?



WHAT IS GIDEP?

- GIDEP STANDS FOR **G**OVERNMENT-**I**NDUSTRY **D**ATA **E**XCHANGE **P**ROGRAM.
- THE MAJOR PURPOSE IS TO **REDUCE COSTS** BY THE **SHARING** OF TECHNICAL DATA BETWEEN GOVERNMENT AGENCIES AND INDUSTRY.

● **SHARED DATA INCLUDES:**

1. FAILURE EXPERIENCE (ALERTS, PROBLEM ADVISORIES)
2. IDENTIFIED COUNTERFEIT PARTS
3. PART OBSOLESCENCE ISSUES
4. EQUIP. CALIBRATION DATA
5. ENGINEERING DATA (CHANGE NOTICES, RADIATION DATA)

**WHY SHOULD I PARTICIPATE
AND WHAT ARE THE
BENEFITS OF THE GIDEP
PROGRAM?**

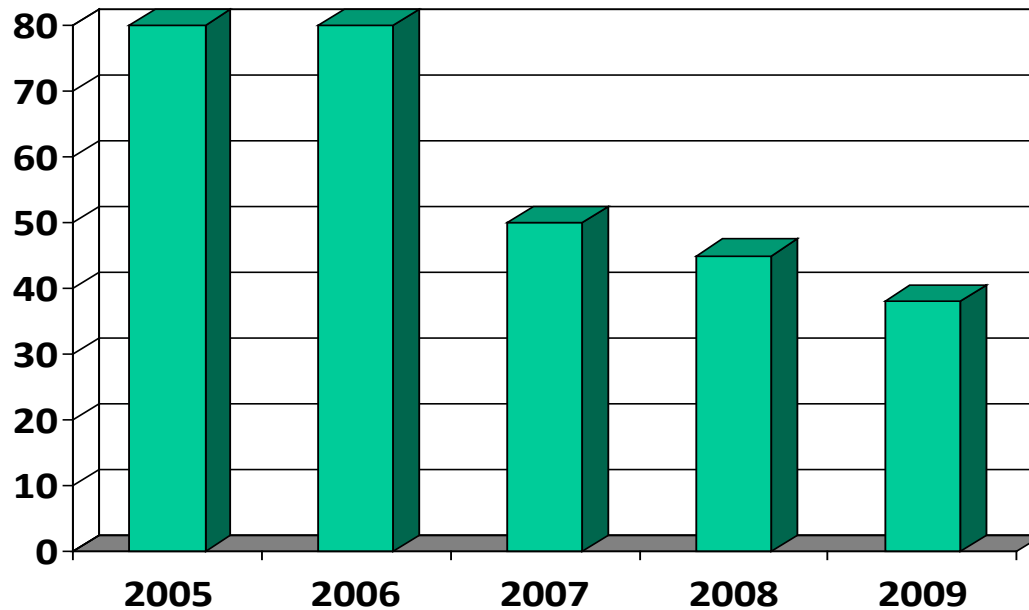
- PARTICIPATION IN GIDEP IS REQUIRED ON **MILITARY AND SPACE PROGRAMS** (BOTH GOVERNMENT AND COMMERCIALY FUNDED)

- INSURANCE COMPANIES REQUIRE PARTICIPATION

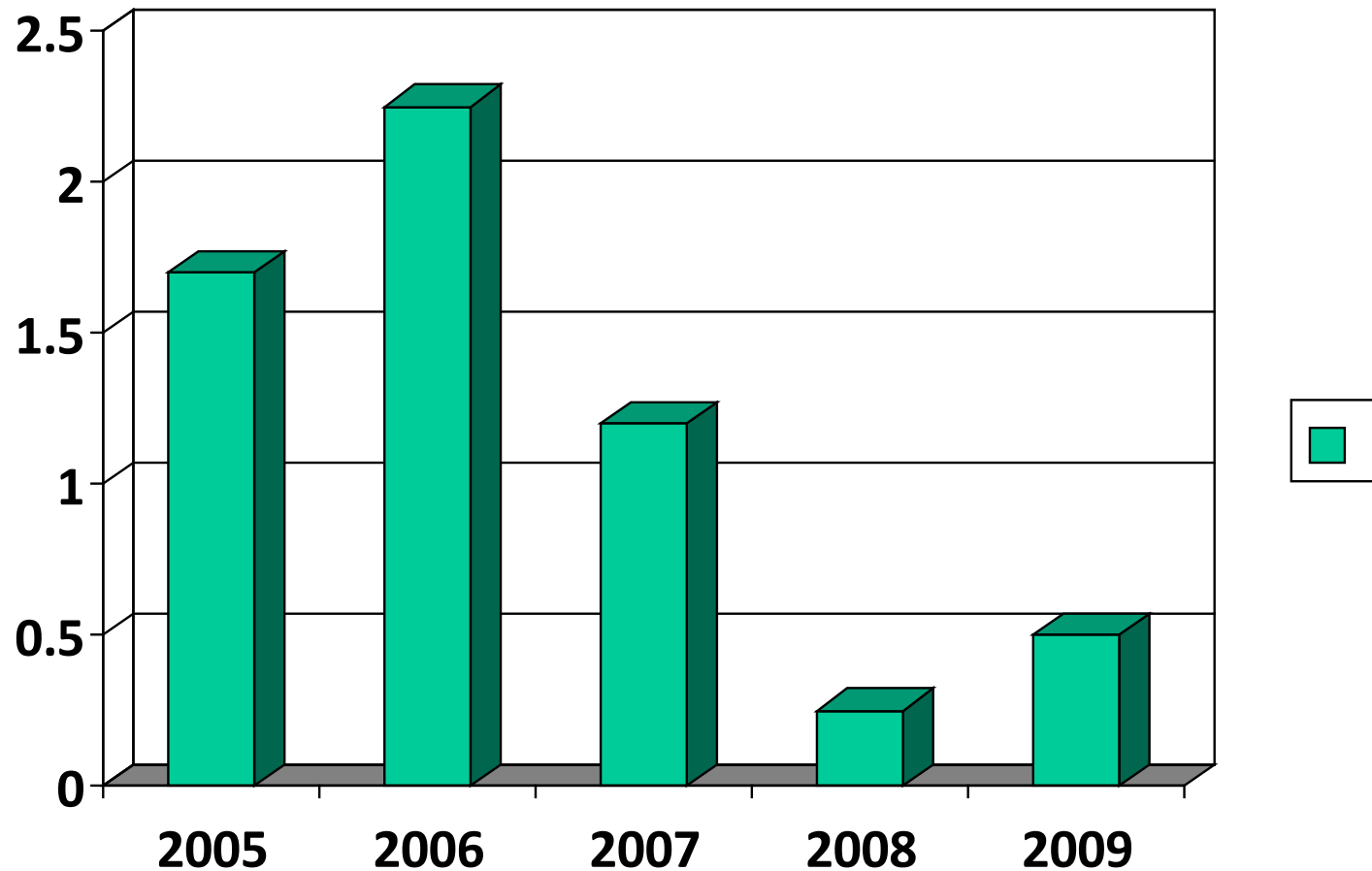
- CUMULATIVE ESTIMATED SAVINGS SINCE THE INCEPTION OF THE GIDEP PROGRAM ARE REPORTED TO BE IN EXCESS OF:

2 BILLION DOLLARS!

- SHOWN BELOW ARE THE CUMULATIVE SAVINGS (IN MILLION \$) REPORTED BY THE GIDEP PROGRAM FOR 2005 THRU 2009



- SHOWN BELOW ARE THE NASA REPORTED SAVINGS FOR 2005 THRU 2009 (MILLION \$)





OSC REALIZED BENEFITS

- **A REVIEW OF GIDEPS FOR YEARS 2008 – 2010 WAS CONDUCTED**

- **CRITERIA FOR THE GIDEPS INCLUDED *ALL* OF THE FOLLOWING:**
 1. FAILURES AFFECTED ONE OR MORE SATELLITES
 2. DEFECTIVE PARTS FOUND!
 3. FAILURES WOULD HAVE BEEN DIFFICULT TO DETECT THROUGH NORMAL SPACECRAFT TESTING
 4. FAILURES WERE FOUND THROUGHOUT SPACECRAFT ASSEMBLY PROCESS
 5. FAILURES THREATENED SPACECRAFT MISSION

- **IN ALL 3 YEARS ANALYZED 2 OR MORE GIDEPS WERE FOUND TO MEET THE CRITERIA!**
- **COSTS ASSOCIATED WITH A GEO SATELLITE ARE:**
 1. SATELLITE - > \$85 MILLION
 2. LAUNCH VEHICLE - > \$70 MILLION
 3. INSURANCE PREMIUM – LOTS!
 4. REPUTATION – PRICELESS!

**REASONS GIVEN FOR NOT
PARTICIPATING IN THE
PROGRAM**

● **THERE ARE 3 MAJOR REASONS
GIVEN FOR NOT PARTICIPATING IN
THE PROGRAM:**

1. FEAR OF LEGAL CONSEQUENCES
2. COSTS OF DEVELOPING/MAINTAINING
A GIDEP SYSTEM
3. I DON'T KNOW HOW TO JOIN GIDEP

I DON'T WANT MY COMPANY (OR
MYSELF!) **SUED** FOR GENERATING
AN ALERT

● **LEGAL RISKS CAN BE MINIMIZED BY FOLLOWING THESE SIMPLE RULES:**

1. REQUEST THAT THE MANUFACTURER ISSUE THE ALERT AGAINST THEIR OWN PRODUCT (MOST WILL)
2. USE GIDEP TO REPORT ONLY FAILURE TRENDS (NOT FOR ISOLATED RANDOM OCCURRENCES)

3. STICK TO THE UNDISPUTABLE FACTS:

- a. PART NO. AND LOT/DATE CODE
- b. CONDITIONS UNDER WHICH FAILURE OCCURRED
- c. FAILURE MODE AND CAUSE (DON'T SPECULATE – STICK TO WHAT IS KNOWN)
- d. INFORMATION ON FAILURE RATE (% OF DEFECTS FOUND)

4. **GIVE THE MANUFACTURER THE OPPORTUNITY TO RESPOND (15 WORKING DAYS IS REQUIRED)**
5. **INCLUDE THEIR RESPONSE WITH THE ORIGINAL SUBMITTAL TO THE GIDEP CENTER (REQUIRED)**
6. **HAVE YOUR LEGAL DEPARTMENT REVIEW THE ALERT PRIOR TO ISSUANCE (REQUIRED)**

- **FOOD FOR THOUGHT – ISSUING AN ALERT MAY ACTUALLY PROTECT YOUR COMPANY FROM LEGAL (OR EMBARRASSING) SITUATIONS**

- **YOU MAY NOT KNOW:**
 1. **INVESTIGATION(S) BY OTHERS MAY BE UNDERWAY (DCIS/NASA/CUST./INS.CO.) – YOU MAY BE ASKED “WHAT DID YOU KNOW AND WHEN DID YOU KNOW IT!”**
 2. **YOUR CONTRACTUAL REQUIREMENTS MAY REQUIRE YOU TO ISSUE AN ALERT**

**NOTHING IS FREE – WHAT WILL IT
REALLY COST ME TO
PARTICIPATE?**

- COSTS OF PARTICIPATION IS DIRECTLY ***RELATED TO THE SIZE*** OF YOUR DATABASE.
- ORBITAL DATABASE IS APPROX. ***ONE MILLION*** PARTS - IT INCLUDES:
 1. VARIOUS LAUNCH VEHICLES
 2. LEO & GEO SATELLITES
 3. GROUND SUPPORT EQUIP.

- ORBITAL CHECKS FOR NEW ALERTS ON A DAILY BASIS (***TIMELINESS*** IS CRITICAL)
- ***FLOW DOWN*** THE REQUIREMENTS TO YOUR SUPPLIERS AND PERFORM AUDITS – ***TRUST BUT VERIFY!***
- A SENIOR ***PARTS ENGINEER*** IS USED FOR REVIEW

- ON AVERAGE, 60 % OF DAYS ACTUALLY HAVE NO ALERTS ISSUED (EFFORT LIMITED TO LOG ON/LOG OFF TIME (APPROX. 10 MIN.)
- RESEARCH TIME OF ALERTS AVERAGES ABOUT **5** HRS/WK

● **TO JOIN GIDEP YOU MUST BE:**

1. A U.S. OR CANADIAN COMPANY
2. PROVIDE ITEMS OR SERVICES
(DIRECTLY OR INDIRECTLY) TO THE
U.S. GOV. OR CANADIAN DEPT. OF
DEFENCE

- **THERE IS NO COST TO JOIN – MEMBERSHIP IS *FREE!***
- **A CALL TO THE GIDEP CENTER IS ALL THAT IS NEEDED TO BEGIN THE PROCESS: (951) 898-3207**

HOW DO I IMPLEMENT AN EFFECTIVE GIDEP PROGRAM?

- AN EFFECTIVE GIDEP SYSTEM DOES NOT HAVE TO INCLUDE A LARGE “BUREAUCRACY”
- PART/MATERIAL TRACEABILITY MUST BE MAINTAINED – YOU MUST KNOW :
 1. ACTUAL MANUFACTURER (NOT DISTRIBUTOR)
 2. LOT/DATE CODE
 3. WHERE USED

- NEED METHOD TO KEEP YOUR INVENTORY “*PURE*” BY THE FOLLOWING:
 1. **PURGE STOCK AND IN-PROCESS WORK OF AFFECTED PARTS**
 2. **GIVE PURCHASING INSTRUCTIONS TO AVOID OBTAINING AFFECTED PARTS IN FUTURE BUYS**

- **KEEP A LOG OF YOUR GIDEP REVIEW RESULTS – USE THE *“TOUCH IT ONCE”* APPROACH.**

- **USE YOUR GIDEP SYSTEM TO KEEP TRACK OF OTHER PART ISSUES SUCH AS:**
 1. SUPPLIER RECALLS
 2. NASA ALERTS
 3. REPORTED PROBLEMS BY CUSTOMERS & OTHER INDUSTRY CONTACTS

- **ON-ORBIT FAILURES**

- **PARTICIPATION IN THE GIDEP PROGRAM HAS PROVEN COST PREVENTATIVE BENEFITS**
- **AN EFFECTIVE GIDEP PROGRAM CAN BE IMPLEMENTED WITH A MINIMUM OF MANPOWER**
- **THE MILITARY AEROSPACE INDUSTRY NEEDS ALL OF THE PART SUPPLIERS TO BE ACTIVE PARTICIPANTS – DEFECTIVE PARTS MUST BE FOUND AS EARLY AS POSSIBLE!**
- **YOU WILL BE HELD TO YOUR CONTRACTUAL OBLIGATIONS – MORE AUDITS ARE COMING!**