

Enhanced Counterfeit Parts Detection Process

Effectively Managing the Parts Lifecycle

ASQ CQSDI Conference

March 11-12, 2019

Mitch Edwards, Quality Director

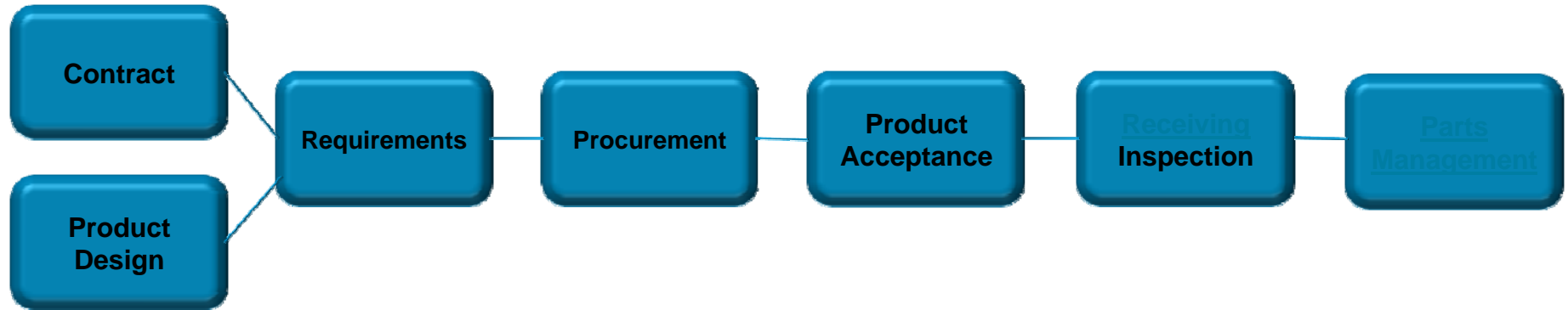
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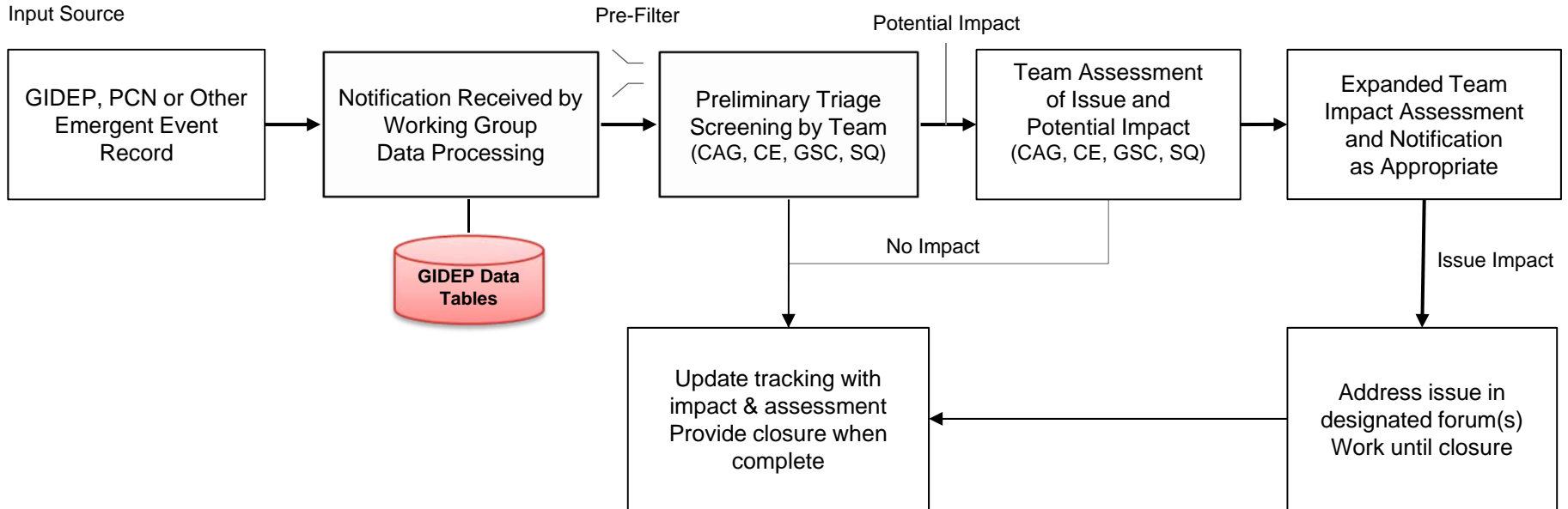
PARTS LIFE CYCLE MANAGEMENT



Establishment of Component Assessment Group

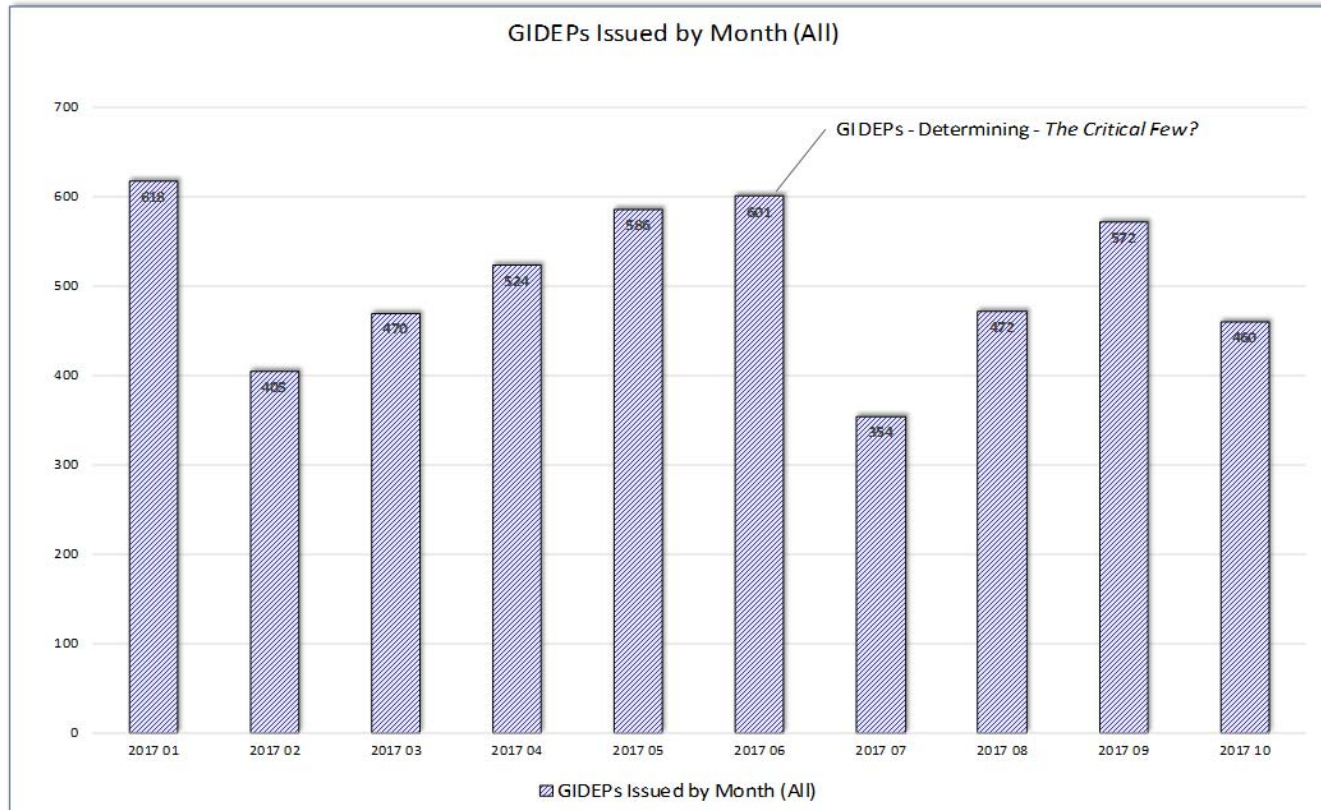
- Component Assessment Group established in Quality Organization
 - Quality SME's with Electrical and Mechanical Engineering background
- Product flagged in Receiving and Inspection for CAG verification
- The program has encountered zero counterfeit part escapes

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GIDEP Processing



Distribution is not authorized outside of the GIDEP participant's organization.

PROBLEM ADVISORY

Unapproved Change in Component Supplier For MIL-CTL 45113, Class M Receptacles			1. GIDEP NUMBER: 21-SEP-18
1. PARTICIPANT NUMBER: ITT Cannon, LLC 56 Technology Ct. Irvine, CA 92618	2. ISSUE NUMBER: See Page 2 3. ISSUE TITLE: MIL-CTL 45113	4. PRODUCT INFORMATION: See Outbox 5. GIDEP PARTICIPANT NUMBER: See Page 2	6. GIDEP PARTICIPANT NUMBER: See Page 2
7. PARTICIPANT'S YEAR OF CONTACT: Fernando Durantes	8. ISSUE DATE: 7-18-18	9. PARTICIPANT'S EMAIL: fernando_durantes@itt.com	10. GIDEP PARTICIPANT PHONE: (714) 620-2900
11. WAFS CODE: 45113-24-8600	12. WAFS CODE: 45113-24-8600	13. WAFS CODE: 45113-24-8600	14. WAFS CODE: 45113-24-8600
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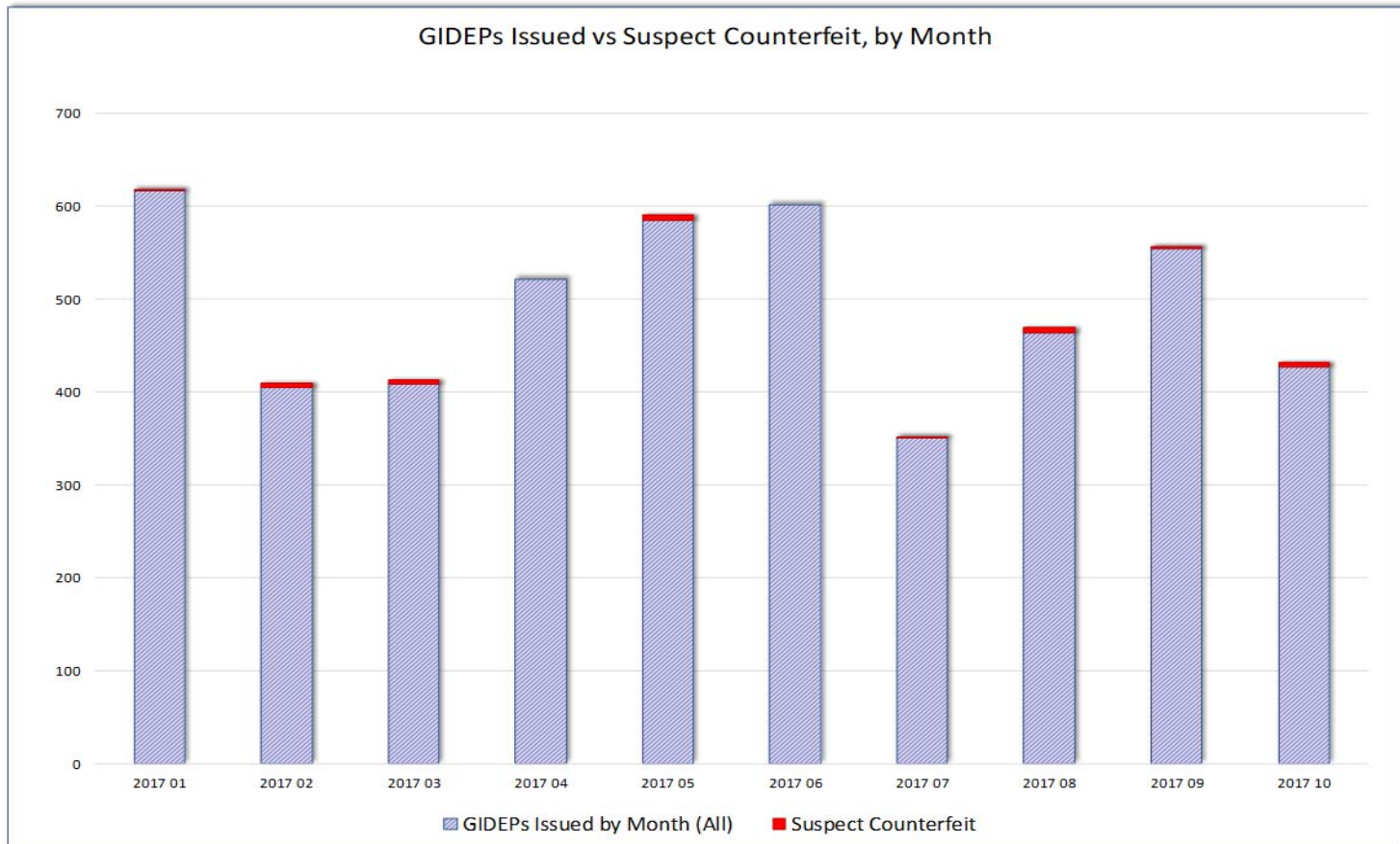
Please refer to the complete distribution policy at the GIDEP member's website.

Note: Data obtained from Government Industry Exchange Program

Processing 500 GIDEPs against 30,000 part numbers monthly requires special data analysis tools to assess and determine impact

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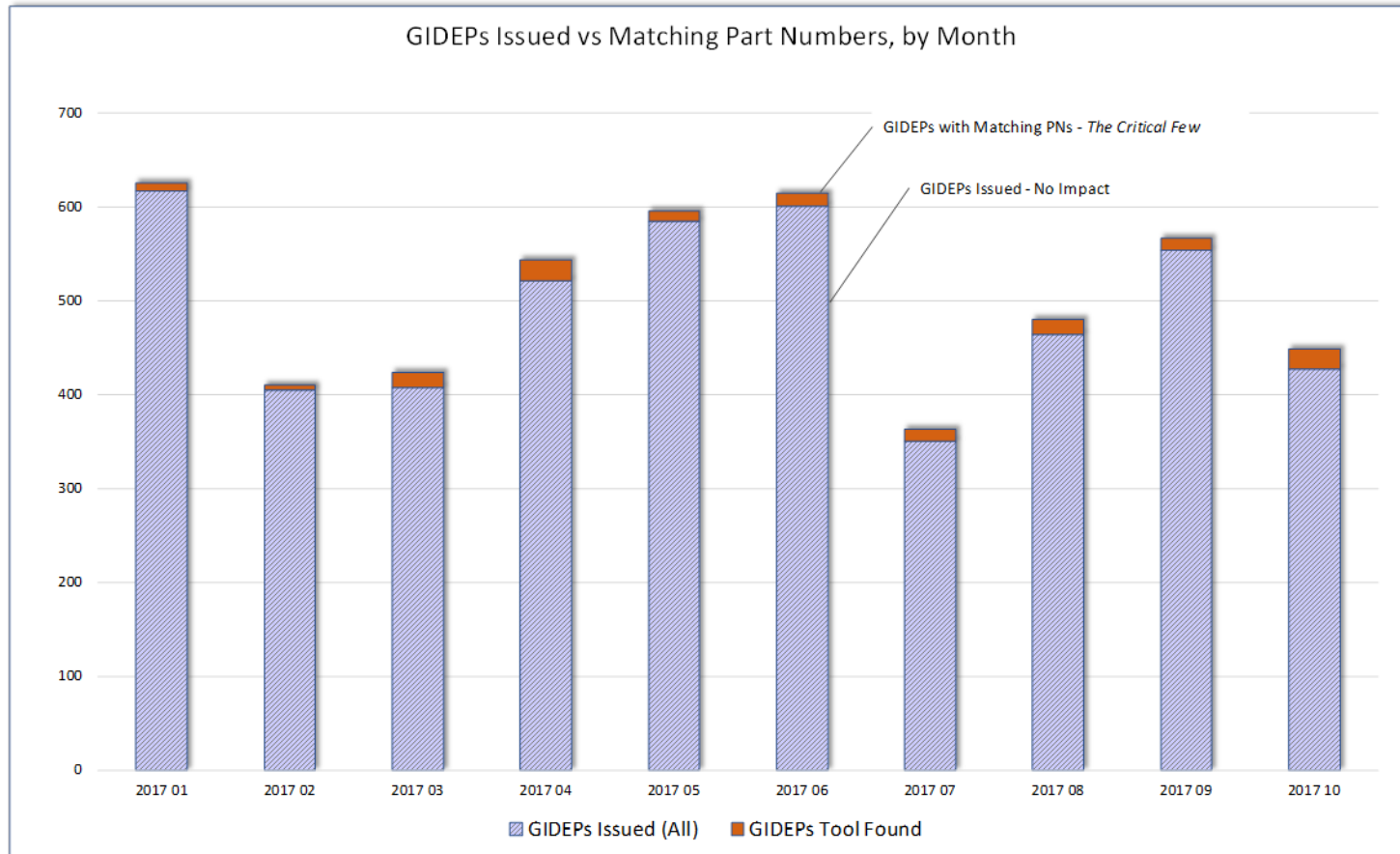
GIDEPs with Suspect Counterfeit Parts



Note: Data obtained from Electronic Retailers Association, Inc. (ERA)

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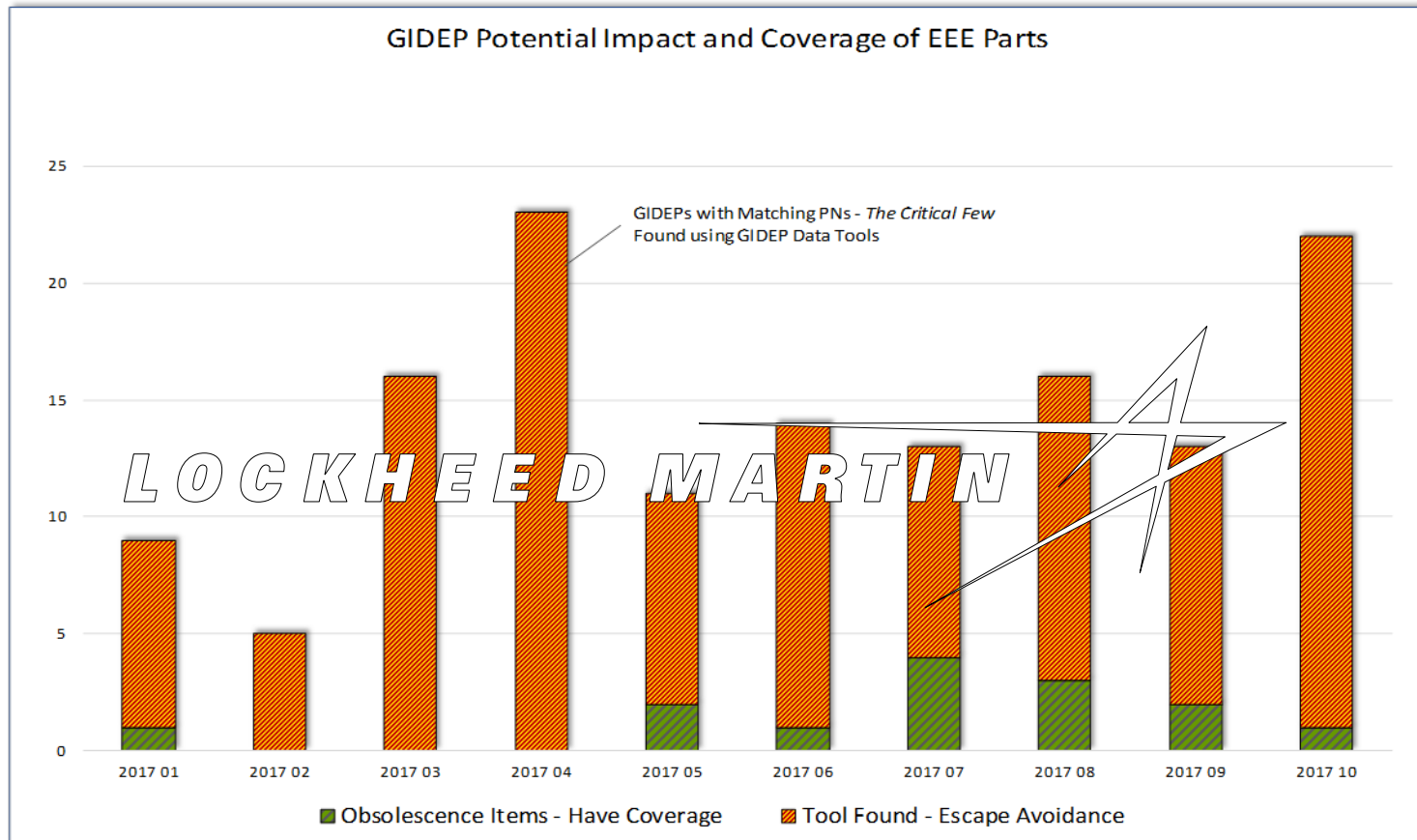
Labor Intensive Data Mining



**Determining affected GIDEPs (orange)
... a needle in the haystack to determine which critical few matter**

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Enhanced GIDEP Data Tools



GIDEP data tools finds those that would be missed (orange) as well as obsolescence (green) GIDEPs.

Conclusion

Enhanced counterfeit parts process and tools allow program to process mass amounts of data expediently

Identification of critical impacts to the program in a timely manner has resulted in no counterfeit part escapes

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