



Parts Traceability Panel

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Part Traceability / History

- Unique Identity and Serialization
- What materials were used in the part, and their history
- What has happened to a part during its life
- Utilization data
- Record Keeping



Aviation Supply Chain Integrity Coalition

- Vendor Accreditation
- Document Traceability and Verification
 - Expand the Use of Digital Key Documents
 - Increase Digital Authentication Tools
 - Establish Standard for Required Information in Documentation
 - Digitize Existing and Past Parts Documents
 - Develop & Adopt Industry-Wide Use of Software Database to Verify Key Document Fields

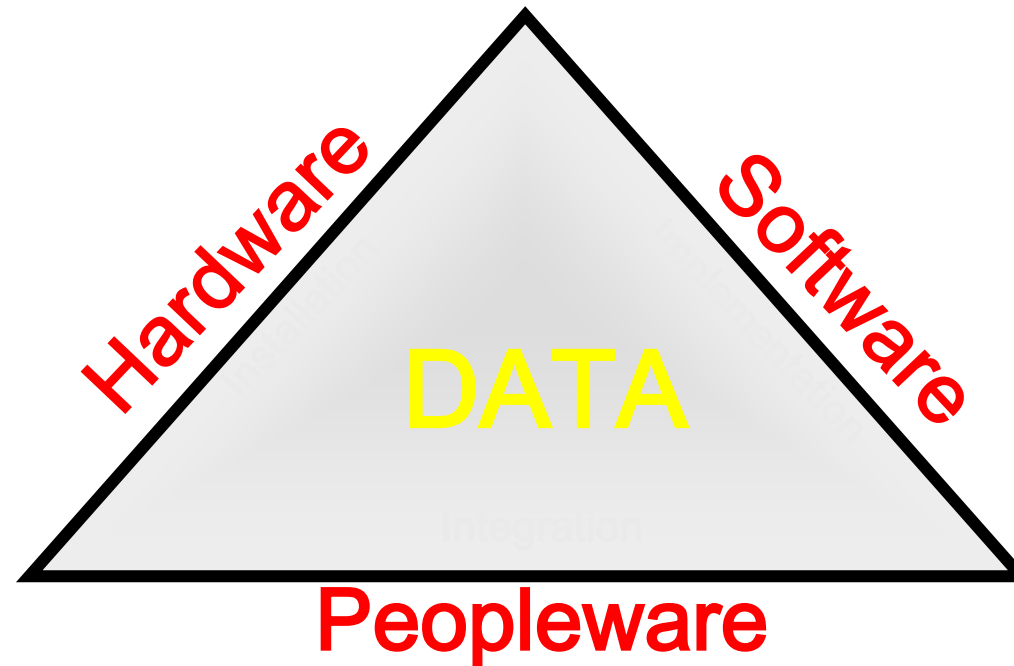


It's about the Data

- It is the strong foundation you want to build on
- It is persistent
- It guides corporations in all decisions
- It spans applications and ERP systems, and yes, even Vice Presidents



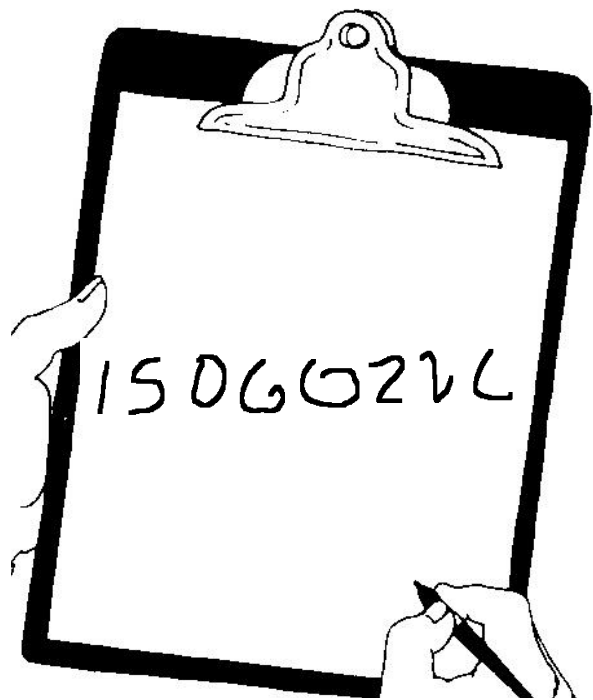
Data Relationships



- Good business process
- Bad business process
 - Training
 - Understanding
- Money
- Manpower
- Relations between departments
 - Changing priorities



Ever seen data like this?



1506022L



Avoid Errors!



Errors follow the Iceberg Principle

**If this is what
you're seeing ...**

**There is this much more
you're not seeing !**

(this will hurt you!)



Unknown Number?

Part Number ?

263265930

Serial Number ?

Employee Number ?

Location ?

Order Number ?

SSN without the dashes ?

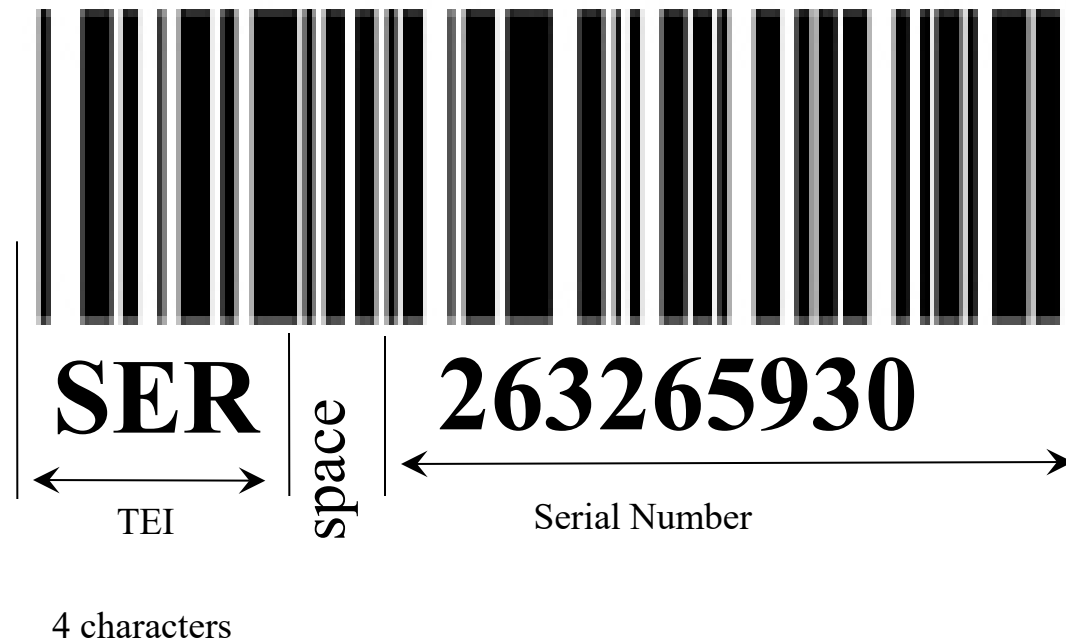
Who knows ???

This is a NAKED number with no intelligence whatsoever !



Intelligent “Tagged” data

Number showing the Spec2000 Text Element Identifier (TEI)



Simple, plain text, WYSIWYG, easy for people - easy for computers



Why is Tracking Parts so Difficult

- Historically, real parts traceability is done poorly and is very expensive
- Most parts tracked by Serial # within Part # which hasn't worked
- Three logic flaws
 - Customers invent their own numbering systems for parts
 - When form / fit / function changes - new Part # required
 - - this effectively loses the ability to track it
- No control between companies of Part Numbers assigned, no legal 'teeth' regarding bogus parts
- The business Problem we are trying to solve: Common Identification & Traceability

Tracking Parts – Why so hard ?

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The business problem we're trying to solve is one of
(common) identification and traceability.