

# Security and Quality in Manufacturing

## Supply Chain Sourcing and Risk Management Best Practices

We only partner with the best U.S.-based manufacturers.  
We only deliver tested and secure voting systems.

A secure supply chain, linked with quality touchpoints throughout the manufacturing process, ensures Hart's voting system delivers accuracy and accountability every time.

How a secure voting system is manufactured matters. Knowing every source, every partner, and how the integrated pieces come together provides quality at each step of the product lifecycle. And only with Hart can you be certain that we are there every step of the way.



### **The Right Partnership**

US-based Tier 1 suppliers make the difference

Hart only partners with US-based Tier 1 suppliers with extensive expertise in the elections industry, medical and defense arenas. Our partners are required to maintain "IPC-J-STD-001 Class 610" and adhere to ISO-9001 certifications to the highest standards for assembly, product quality, and traceability. We regularly conduct cyber audits, background checks, and have monitoring controls in place for our employees and partners to ensure security and quality in our manufacturing process.



### **The Right Source - Proprietary Supply Chain**

Always verified and validated - complete line of sight

No small detail is left to chance. Hart has line of sight to every component and requires complete end-to-end traceability. Only components listed on Hart's proprietary approved vendor list, vetted by the EAC, are allowed. And we validate correct sourcing at multiple checkpoints throughout the manufacturing process.



### **The Right Place - Made in the USA**

Inspected, tested, and verified at each stage of assembly

Hart utilizes "Progressive Build Strategy" throughout the manufacturing process. This successive layer-based production build strategy safeguards security by inspecting, testing, and verifying every component source and functionality within each stage of assembly prior to release to the next state of production. All programmable parts are erased and re-programmed at the Austin location with the final EAC approved configuration. Independent Out-of-Box audit testing is performed at a separate station within manufacturing to assure final configuration is correct. As part of the final product testing, a mock election is performed on every system.



### **The Right Controls - End-to-End management**

Ensuring design continuity and integrity

Hart's designs are managed from concept to customer using an independent Product Lifecycle Management tool ensuring unit 1 is the same as unit 10,000. All designs and components are tested by independent labs and receive EAC approval prior to release to the field. In addition, all peripheral devices (printers, high-speed scanners) used within elections are re-programmed in the US to Hart's EAC approved version.



### **The Right Process - Secure chain of custody**

Manufacturing, delivery, and customer acceptance

Hart utilizes active monitoring and risk management throughout the entire process. From electronic badge access controls to the latest technology in serialized seals, chain of custody is never in question. Upon receipt, the customer can further validate that their order remained secure by implementing Hash Testing as part of Hart's acceptance testing procedures.

