



SMALL BUSINESS INNOVATION PROGRAMS
EXPLORED INNOVATIONS

SECURING RESOURCES FOR US DEFENSE & COMMERCIAL INDUSTRIES

TOPIC NUMBER:

DLA-16-BAA-RIF-0003

TOPIC TITLE:

UNITRAC – UNIque TRACker for DoD Parts

CONTRACT

NUMBER:

SP4701-17-C-0049

SBIP COMPANY:

ChromoLogic, LLC.
Monrovia, CA

TECHNICAL

PROJECT

OFFICE:

Anti-Counterfeit

PUBLISHED:

2019

SUPPLY CHAIN RISK REDUCTION

ChromoLogic UNITRAC Tag-less Tracking Improves Defense Supply Chain Traceability

Traceability to an original manufacturer ensures an item's integrity and authenticity along the supply chain; but many items subject to loss and compromise due to inadequate tracking methods. Through a research and development contract from Defense Logistics Agency (DLA) Small Business Innovation Programs (SBIP), ChromoLogic, LLC. based out of Monrovia, CA, developed a vTag® track and trace solution, compliant with the Department of Defense (DoD) DFARS 252.211-7003: Item Unique Identification (IUID) and Food and Drug Administration CFR Title 21: Subpart on Medical Devices. vTag® can label any supply chain item without the application of a physical tag.

With vTag®, Physical & Virtual layers are immutably linked



Photo courtesy of ChromoLogic, LLC., 2019

Like a human fingerprint or an iris scan, a vTag® uses intrinsic surface features of an item to uniquely identify it, thereby enabling full visibility of the item throughout the supply chain. Even if the component is only a few millimeters in size or is removed from its original packaging, it can be authenticated and traced.

In 2016, DLA identified several Federal Supply Group (FSG)

parts at high risk of counterfeiting, and awarded a competitive contract to ChromoLogic to develop the vTag® solution. As the medical, aerospace and consumer goods industries received federal mandates for supply chain tracking and traceability, or independently developed more strict standards, vTag® was quickly recognized and procured as a solution to protect the government and consumers from fraudulent and/or defective parts and products.

For the DoD, vTag® is currently deployed by suppliers to the DoD medical chain, tracking orthopedic surgical implants of all sizes and to prime aerospace contractors.

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