

AI for Supply Chain Exceptions

Built with hundreds of GS1 data rules, complex serialization algorithms, and system integration APIs, Investigator connects different trading partners and different systems together to solve one common issue – supply chain exceptions. It discovers, alerts, and resolves supply chain exceptions for the best interest of both trading partners so products can move through the supply chain smoothly.

Regulatory Requirement for Exceptions Management

The Drug Supply Chain Security Act (DSCSA) requires the exchange of product tracing information (EPCIS 1.2 as the standard) at the package level between trading partners in 2023. DSCSA further requires that saleable returned drug products be verified (via Verification Router Service or VRS) at the package level before restocking for resale. Under the Enhanced Security requirement of the DSCSA, the EPCIS data must be accurate and match the shipment for products to enter the supply chain.

Why Investigator?

As pharma companies begin to add EPCIS and VRS into their daily operations, data errors are inevitable.

- The average EPCIS error rate is 36% in the Production system. ¹
- The average VRS failure rate is 44% in the Production system. ²

EPCIS and VRS exceptions stop products from entering the supply chain. Buyers can't accept shipments without good EPCIS data. Saleable returned products can't be restocked. These failure points must be addressed so your products can enter the supply chain, and reach the patients.

How does Investigator manage EPCIS exceptions?

Investigator detects EPCIS errors and alerts the responsible party. A live hyperlink in the alert enables error resolution - including correction of data, and transforms older versions of EPCIS to the last version. The result is a successful EPCIS data file exchange with your trading partners. It keeps your product moving through the supply chain.



How does Investigator manage VRS exceptions?

Investigator detects verification failures and sends alerts to the corresponding manufacturer. The manufacturer follows a live hyperlink in the alert to clear good products and disposition bad products under the DSCSA requirement.

“LSPedia brought in a methodology, a foundation so that we can built upon what we had; also, to seek solutions we may or may not thought of on our own. We have come a very long way since we engaged LSPedia in our DSCSA journey.”

- *Joseph Barna*
CFO
Kowa Pharmaceuticals

“We feel the pain when EPCIS files are late or error out. Shipments get set aside and pile up at receiving. With our volume, it’s impossible for us to check and catch errors manually. This needs to be addressed with automation and, Investigator is, in my mind, the best product out there to help with exceptions management.”

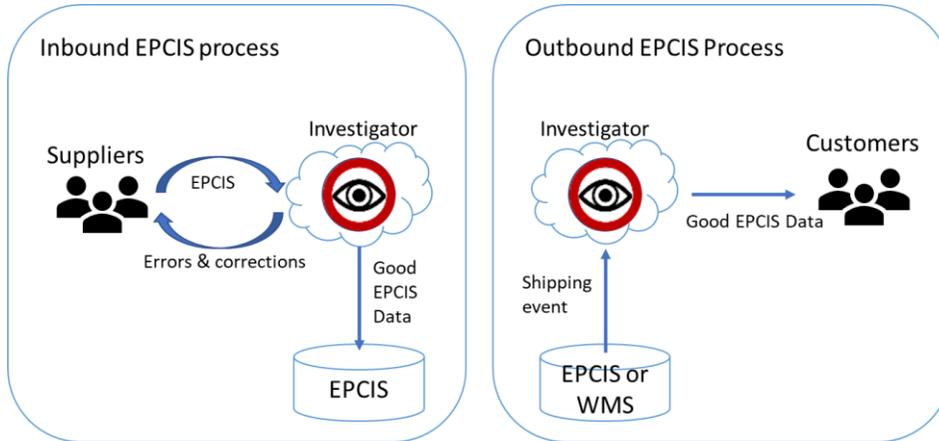
- *Jeff Falardeau*
Manager, Pharmaceutical
Information Technology
Cardinal Health

¹ Based on 7,720 EPCIS files processed from 20 manufacturers to 5 wholesalers in 2021

² Based on 57,867 verifications from 103 requestors to 49 manufacturer responders in 2021

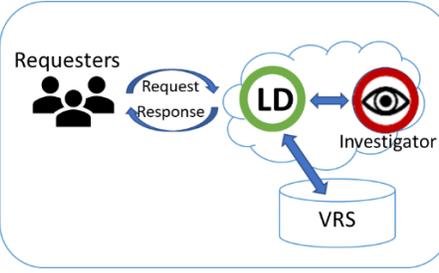
Investigator for EPCIS System Architecture

Investigator governs EPCIS data quality with minimum system footprint. On the inbound, it works with senders and existing systems to churn failing EPCIS data into high quality EPCIS 1.2 data for receiving. On the outbound, Investigator receives shipment data from your existing system and converts it to the high quality EPCIS 1.2 data for your customers.



“Investigator is efficient, effective, and accurate. It’s accurate because the system communicates the data. There are no typos, no human intervention, no human has to type anything with their eyes getting crossed as they count the zeros in the serial numbers. Investigator is really a great system for exceptions management.”

- Kelly Lacy
Product Owner
Manufacturer Operations
AmerisourceBergen

Investigator VRS Architecture	Who uses Investigator?
<p>Agnostic to any EPCIS or VRS systems, Investigator adds exceptions management capability to your current technological repertoire.</p> 	<p>Investigator is for you if your company buys or sells serialized products.</p> <ul style="list-style-type: none"> • Manufacturers • Wholesale distributors • 3PLs • Dispensers <p>Many successful pharma companies use Investigator for FDA compliance and operational efficiency. Investigator resolves supply chain exceptions 10x faster than the traditional calls and emails.</p>

“There are challenges out there and one of the challenges is our CMOs. We reply on our CMOs and most of them are abroad. LSPedia has been instrumental in managing CMOs and getting the EPCIS data. My CEO and I placed our trust into LSPedia. I am just happy that LSPedia is in our corner because I don’t have time to check EPCIS for errors. We are a small company. I wear a lot of hats. LSPedia took a lot of burden away from us which gives me more time to generate revenue.”

- Jay Madden
Director National Accounts
ACI Healthcare

Benefits

Investigator brings these benefits:

- Meeting FDA’s DSCSA and Enhanced Security compliance
- Resolving EPCIS and VRS exceptions rapidly, reduce workload
- Keep good products moving swiftly in the supply chain

To mitigate compliance risks and solve difficult supply chain data issues, contact LSPedia at (248)458-4367. Email DSCSA@lspedia.com or visit www.lspedia.com.