

Crucible **EDI** Translator

Turn X12 status files (214), load tenders (204), ship notices (856), bills of lading (211), freight invoices (210), remittances (820), planning schedules (830) and shipping schedules (862) into clean, structured data. Free for Crucible clients and for carriers and logistics providers on the Crucible network.

This guide is for Crucible clients and for carriers and logistics providers on the Crucible network. The EDI Translator converts X12 files into clean JSON. From a 214 (shipment status) you get each shipment's current status, every event with the time and location it happened, the delivery appointment, and the reason behind any delay or exception. It also reads the 204 (load tender), the 856 (ship notice, or ASN) and, for freight billing, the 211 (bill of lading), the 210 (freight invoice) and the 820 (payment remittance advice). For manufacturers and their suppliers it also reads the 830 (planning schedule) and the 862 (shipping schedule). It's **free**. You can try it without a key on the web page; an API key, which Agentic Alchemy issues to you directly, is for sending files from your own systems.

Getting started

1

Request a key

Email

sales@agentic-alchemy.tech.

We issue keys directly. There's no signup form and nothing to pay.

2

Send us 2-3 sample files

Real files from your system let us confirm your codes before your shipments go into Crucible monitoring.

3

Start translating

Use the web page or the API below. Clients can also have results flow straight into Crucible.

BETA

The translator has been tested against published EDI guides from carriers, shippers and manufacturers. Every carrier uses a few codes of its own, so your first files help us confirm yours. If a result looks off, send us the file and we'll fix the mapping.

Two ways to use it

In the browser (no developer needed)

Open app.agentic-alchemy.tech/edi, paste your key and click **Verify**, then upload or paste your file (214, 204, 856, 211, 210, 820, 830 or 862) and click **Translate**. You can read the result on the page or download it as JSON.

No key yet? EDI Inspector Lite, the same page without a key, reads the same files, up to 256 KB each and 10 of your own files a day per visitor (the sample files aren't counted), and nothing it reads is sent into Crucible.

Over the API

Send the raw file as the request body, with your key in the `X-API-Key` header:

```
curl -X POST https://app.agentic-alchemy.tech/api/v1/edi/translate \
  -H "X-API-Key: aa_edi_YOUR_KEY" \
  -H "Content-Type: text/plain" \
  --data-binary @status.edi
```

ENDPOINT	WHAT IT DOES	WHO CAN CALL IT
POST /api/v1/edi/translate	Reads every supported set in the file (214, 204, 856, 211, 210, 820, 830, 862) and returns normalized JSON. Nothing is stored and nothing is sent anywhere.	Any active key
POST /api/v1/edi/214/translate	The original 214-only form of the same call. It still works.	Any active key
POST /api/v1/edi/214/ingest	Translates 214 status files, then feeds each shipment into Crucible monitoring (status, ETA, risk alerts). Every other set is translate-only.	Keys with ingest enabled
GET /api/v1/edi/me	Shows who the key belongs to and what it's allowed to do.	Any active key

What you get back

A sample response for a 214 status file (the shipment data here is illustrative):

```
{
  "shipment_count": 1,
  "is_test": false,
  "warnings": [],
  "shipments": [{
    "carrier": "DEMO",
    "tracking_number": "7741093",
    "status": "delayed",
    "origin": "TOLEDO, OH",
    "destination": "STERLING HEIGHTS, MI",
    "predicted_eta": "2026-09-25T11:00:00",
    "deviations": [
      "Event SD (Shipment Delayed) reason BE (Road Conditions) at 2026-09-25T06:40:00 ET"
    ],
    "metadata": {
      "bol_number": "BOL558210",
      "last_event_location": "TAYLOR, MI",
      "events": ["...every status event, oldest first, with local and UTC time"],
      "appointments": ["...scheduled pickup/delivery times"],
      "estimates": ["...carrier-estimated arrival times"]
    }
  ]
}
```

- `status` is one of `in_transit`, `delayed`, `exception`, `delivered` or `unknown`. It's `unknown` when the file only has appointments or estimates and no actual event.
- Times are reported as the carrier sent them. When the file gives a US time zone code, `utc_time` is included too.
- `warnings` lists problems found in the file, such as bad segment counts, unknown codes or implausible dates. A warning never drops a shipment.

Other documents (204, 856, 211, 210, 820, 830, 862)

The general `translate` call returns eight lists. A file can mix types, and a list is empty when the file has none of that type.

LIST	FROM	WHAT EACH ENTRY HOLDS
<code>shipments</code>	214	The status records shown above.

LIST	FROM	WHAT EACH ENTRY HOLDS
load_tenders	204	The carrier, load number and purpose (original, change or cancellation), then every stop in order with its type (pickup or delivery), location, date window, weight and piece count. Also the lane, total weight, a hazmat flag and the respond-by deadline.
ship_notices	856	The carrier and transport mode, the PRO or tracking number, the BOL, ship and estimated delivery dates, ship-from and ship-to, and every part line with its part number, quantity shipped, unit, PO number and cumulative quantity when the sender provides one.
bills_of_lading	211	The carrier, BOL number and PRO, who pays (prepaid or collect), the requested ship and delivery dates, the shipper, consignee and bill-to, and every line of freight with its description, quantity, weight, NMFC code and freight class. Purchase orders and any hazmat detail sit on the line they belong to.
invoices	210	The invoice number and shipment ID, the PRO and BOL where they can be identified, the invoice date and type (original, corrected or balance due), who pays, the amount due and its currency when the file states one, and every charge line in order: freight with its rate, discounts, fuel and accessorials. A line with several charge segments returns each one. Amounts are numbers to the cent, and you get a warning if the lines don't add up to the amount due. Carrier remarks come back in their own list.
remittances	820	The payment amount and how it was made (EFT or check), the payor, and every PRO the payment covers with its amount, plus any adjustments and the reason for each. A bank account number is returned as its last four digits only.
planning_schedules	830	The release number, whether the dates are delivery, shipment or Kanban based, and the horizon. For every part: the part number, PO, drawing revision and unit, then each forecast line with its quantity, its firm or planning qualifier and its timing (weekly, monthly, a flexible interval or a specific day), the past-due quantity kept apart, and the cumulative quantities authorized and last or cumulative received. You get a warning when the sender's control totals don't match.
shipping_schedules	862	The same shape for the short-term requirements that sit on top of the 830: release and horizon, the schedule type, and for every part each required quantity and date (past due kept apart), any JIT time and the container detail.

Rules worth knowing

- **Carrier keys** can only *ingest* shipments whose B10 SCAC is registered to that key. Translation isn't restricted.
- **Test files** (ISA15 = T) are translated but never ingested.
- **Your file isn't stored.** Only a fingerprint (SHA-256) and its size are logged, for support.
- **Beta limits:** while the translator is in Beta testing, sending shipments into Crucible monitoring (ingest) is capped per file and per day. Translation itself is never capped. A shipment over a limit comes back with a "Beta limit" note instead of being sent.
- **Limits:** 5 MB per request. Tested against the 214 (versions 4010, 4030), the 204 (4010), the 856 (3060, 4010, 5010), the 211, 210 and 820 (4010) and the 830 and 862 (3060, 4010). If you send another version, email us a sample first. Any other transaction set in the file is skipped, with a warning that names it.
- **Keep your key private.** Treat it like a password. If it's lost or may have been exposed, email us and we'll replace it right away; the old key stops working immediately.

Errors

CODE	MEANING
400	The request body was empty
401	The key is missing, wrong or revoked
403	The key is translate-only and you called ingest
413	The file is over 5 MB
422	The body isn't a readable X12 interchange (it must start with ISA)

Contacts

KEYS & QUESTIONS	sales@agentic-alchemy.tech	Request a key, replace a lost one, or ask about Crucible.
OTHER FORMATS	devs@agentic-alchemy.tech	EDIFACT, EANCOM, another standard, or custom carrier mappings. Send a sample file.
PHONE & WEB	1-888-498-6260	www.agentic-alchemy.tech