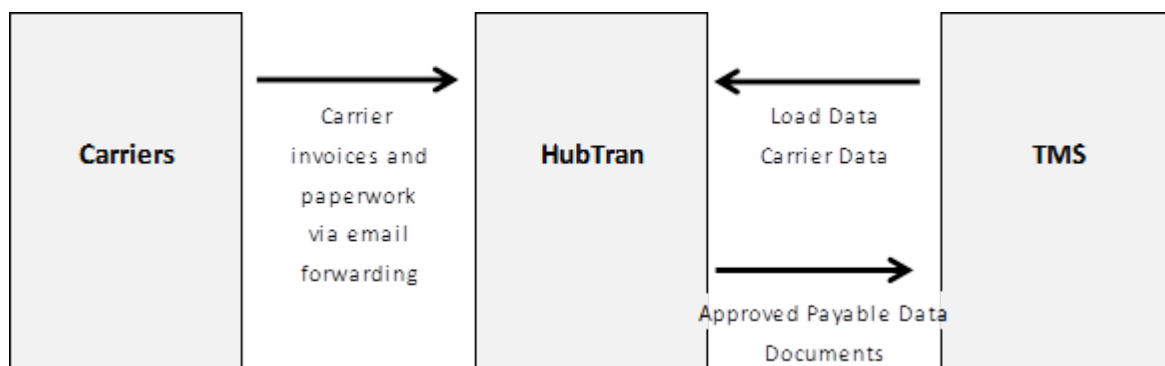# HubTran TMS Integration

HubTran is a web-based tool that automates the payables process for freight brokers. HubTran organizes incoming invoices and paperwork from carriers, extracts data from those documents, and creates the appropriate payables records.

To do this work, HubTran receives load and carrier information from the broker TMS. For optimal functionality HubTran also receives: carrier charge line items, customer charge line items, past carrier invoices, payments, shipments, pickups, and drops.

Upon processing, HubTran sends to the TMS the carrier invoice details, including invoice number, date, amount to pay and supporting documents.

Data from TMS to HubTran

Below is a list of object types HubTran needs from the TMS as well as the most important fields. Depending on the TMS, additional fields may be included, but typically it is more practical to identify those fields during the integration process.

Loads

In HubTran's terminology, a "load" represents the physical truck move and a "shipment" represents the unit of cargo that is picked up and delivered. A load may have one shipment or multiple shipments. A shipment may move on one load or multiple loads. A load is billed on the carrier invoice. A shipment is billed on the broker invoice to its customer. If your TMS is

not structured around the concept of loads and shipments, HubTran can map to your structure.

- ID or name
- External ID (your unique internal ID)
- State / status
- Date delivered
- Origin
- Destination
- Customer
- References

Shipments

- ID or name
- External ID (your unique internal ID)
- Customer

Carriers

- Name
- External ID (your unique internal ID)
- SCAC
- Address
- Remit to address
- Contacts

Past Carrier Invoices

- Number
- Amount to pay
- Date to pay
- Carrier
- Load

Carrier Line Items

- Description

- Carrier

- Total

- Quantity

- Customer total

Customer Line Items

- Description

- Carrier

- Total

- Quantity

- Customer total

Stops (pickups and drops)

Stops are when a truck stops to pick up or drop off goods. If a load has one shipment, it will have one pickup and one drop.

- Name

- External ID (your unique internal id)

- Address

Payments

- Amount

- Payer

- Payee

Data from HubTran to TMS

When an invoice is processed, HubTran sends to the TMS the carrier invoice as well as supporting documents.

Carrier Invoices

- Number

- Amount to pay

- Date

- Carrier

- Load

Documents

- Type
- URL or data
- Invoice
- Load
- Customer visibility
- Carrier visibility

Transport Mechanisms

HubTran supports the following ways of getting data from the TMS to HubTran and from HubTran back to the TMS:

- HTTP (API, webhook, etc)
- (S)FTP (HubTran's or the TMS's)
- Email
- Other upon request

HubTran will request an initial dump of data needed but once the customer is in production HubTran will need incremental updates to objects to stay up-to-date.

Data Formats

HubTran supports the following data formats:

- XML
- JSON
- CSV
- Other upon request