

Building Your EDI DESADV ASN(Advanced Ship Notice) and Labels

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Lucid Motors Training Topics

- 1.Go No Go Checklist
- 2.Demand and Shipping Information Flows
- 3.ASN and Label Buildout
- 4.Lucid EDI Documentation

Lucid Motors EDI Documentation



Lucid Motors (compliance) Downloads

Please Note: there are no major changes reflected on June 10th specification updates. These are only clarifications and business rule changes.

Use these implementation guidelines and sample files as references to map your system to Lucid Motors (compliance) 's EDI requirements.

- 1 ReadMe (Updated 10/19/2021) (PDF 1).
- 2 Lucid EDIFACT Business Rules Lucid Motors v5.11 (Updated 07/26/2023) (PDF 🖹).
- 3 EDI Requirements (Legal).pdf (Updated 01/16/2024 (PDF 🖹).
- 4 Lucid Supplier EDI Onboarding Flow.pptx (PDF 🖹).
- 5 Lucid Motors ASN and Label Build Out 3.0 Portal Suppliers.pdf (PDF 🖹).
- 6 Lucid Labeling Guidelines v1.0 (Updated on 06/15/2023) (PDF 🖹).
- 7 CORP-PKG-MA-12910 Lucid Motors Supplier Packaging Guidelines Rev 3.0-12910-3.pdf (PDF 🖹).
- 8 Lucid EDI code List 012221 V1 (Updated 01/25/2021) (XLSX 🖹).



Go No Go Checklist - Available on True Commerce Portal

Supplier MUST fill out to acknowledge they've read and understand Lucid Requirements by 15-Apr, or before sending their first Lucid shipment. Failure to do so may result in up to \$1,000 (USD) non-compliant penalties per shipment

Checkpoints			Supplier	Notes
	Lucid or True Commerce	Supplier Owner SME	Yes/No Date	•
True Commerce web portal Registration/Setup Complete	True Commerce Compliance or	Account Owner or		
	Support?	Logins		
	Your Lucid GSM or Material			
rue Commerce Training Conducted	True Commerce	Order Management		
		Shipping / Logistics		
		Accounts Receivable		
Supplier has downloaded and communicated ALL Lucid documentation to supplier	True Commerce	Order Management		
BMEs		Shipping / Logistics		
		Accounts Receivable		
Confirm Lucid Ship From and Payee Codes (6-digit)	Your Lucid GSM or Material	Order Management		Supplier Ship From Vendor
	Planner	Shipping / Logistics		Code: XXXXXX
		Accounts Receivable	<u> </u>	Payee Code: XXXXXX
Confirm Part Detail is setup and correct (web portal and SAP)	Your Lucid GSM or Material	Order Management		Number of Parts:
	Planner	Shipping / Logistics		Schedule Agreement Number(s
		Accounts Receivable		
JOM correct (each, KG, Pounds). Align with GSMIMP for each part - especially for	Your Lucid GSM or Material	Order Management		Consumables UOM Correct?
consumable product	Planner	Shipping / Logistics		
		Accounts Receivable		
Order Lot Size - Order Lot. Minimum Order (multiple of Order Lot). For example, if	Your Lucid GSM or Material	Order Management		
Lucid Order Lot size is 6, then Minimum Order should be in multiples of 6, not 13.	Planner	Shipping / Logistics		
		Accounts Receivable		
Planning Time Fence, Firm Zones, and transit time for Demand been communicated?	Your Lucid GSM or Material	Subject Matter Experts:		
	Planner	Order Management		
		Shipping / Logistics		
Supplier needs to understand difference between Lucid Purchasing Strategies	Your Lucid GSM or Material	Order Management		
Framework POs 42XXXXXXXX; Schedule Agreements 55XXXXXXXX). Suppliers	Planner	Shipping / Logistics		
should contact Lucid GSM or Material Planner if they get a Proto Orders		Accounts Receivable		
45XXXXXXX; Supplier needs to know any demand that is not on your web portal,				
cannot be used send invoices or ASNs. Manual demand is not eligible for EDLASNs				

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Checkpoints:	Responsible for and Confirmed By		Supplier		Notes
TC UI Name: Lucid EDI only	Lucid or True Commerce CONTACT	Supplier Owner SME	Yes/No	Date	
ucid has SLOC setup in place - without, Lucid will put supplier ASN processing at risk	Your Lucid GSM or Material Planner	NA			
PDS Packaging Data Sheet - Does supplier have them in place for all parts in demand?	Lucid Packaging Engineer	Shipping / Logistics			
Supplier can describe their Shipment Process:	Lucid EDI	Shipping / Logistics			
Reference ASN and Label Build Out, Business Rules Document	Lucid Transportation Team for your				
· Understands Physical shipment Structure & ASN Structure must match and based on PDS	location for carrier info				
Understands how to obtain Carrier Shipment Tracking Number, Transportation Mode, Carrier	Lucid Shipping Labels				
SCAC Code, Carrier Name and has completed carrier web portal training with Lucid Carriers					
- Understands ASN and Label Build Out					
Understand application of Lucid's Labelling codes (1J - Cartons and Bulk Products; 5J Mixed Pallet					
_abel; 6J Homogeneous Pallet Label)					
Do supplier operations understand the relationship between these items above and their ability					
to build an accurate and timely ASN?					
Does supplier know that inaccurate and untimely ASNs are subject to minimum \$1,000 Non-	Lucid Logistics	Shipping / Logistics			Inaccurate and Untimely ASNs are
liance Charge?					subject to minimum \$1,000 per
					shipment non-compliance penalty.
Does the supplier and Lucid Commercial Procurement and Material Planning know when 1st EDI	Lucid GSM and Material Planner	Order Management			Contact Lucid GSM/MP for timing of
and message will be available on the web portal for suppliers to process?		Shipping / Logistics			1st send
		Accounts Receivable			
Does the supplier and Lucid Commercial Procurement and Material Planning know first shipment	Lucid GSM and Material Planner	Order Management			
e based on demand?		Shipping / Logistics			
		Accounts Receivable			
Does the supplier and Lucid Commercial Procurement know what their Invoice terms are? (usually NET30 or NET 45)	Lucid AP	Accounts Receivable			Terms:
Supplier confirms they will send Invoices through True Auto Web Portal; Any paper invoices, the	Lucid AP	Accounts Receivable			
nvoice number must match the Invoice Number generated in the web portal					

Go No Go Checklist - Available on True Commerce Portal

Supplier MUST fill out to acknowledge they've read and understand Lucid Requirements by 15-Apr, or before sending their first Lucid shipment. Failure to do so may result in up to \$1,000 (USD) non-compliant penalties per shipment

Checkpoints:	Responsible for and Confirmed By		Supplier		Notes
TC UI Name: Lucid EDI only Supplier confirms they will send Invoices through True Auto Web Portal; Any paper invoices, the Invoice number must match the Invoice Number generated in the web portal	Lucid or True Commerce CONTACT Lucid AP	Supplier Owner SME Accounts Receivable	Yes/No	Date	
Support Contacts once live with production EDI: trueauto@truecommerce.com, Escalation Only: edi@lucidmotors.com	True Commerce Support Lucid EDI (Escalation)	Subject Matter Experts: Order Management Shipping / Logistics Accounts Receivable			
Lucid Contacts Lucid Transportation Europe/KSA/Peru toddwest@lucidmotors.com (phasing out) NicolasOsouf@lucidmotors.com Mexico/Canada - paulrodriguez1@lucidmotors.com Asia - Allen Liou <allenliou@lucidmotors.com -="" -<="" allen="" anacleto="" and="" asia="" commercial="" contact="" engineer="" from="" gsm="" have="" info="" keith="" keithanacleto@lucidmotors.com="" know="" liou-="" lucid="" material="" packaging="" planner="" process="" procurement="" should="" sourcing="" supplier="" td="" us=""><td></td><td></td><td></td><td></td><td></td></allenliou@lucidmotors.com>					
FILL IN SUPPLIER CONTACT INFORMATION Supplier Contacts Account Representative - Order Management - Ship Op -					

ASN Data Sources (Order Management)

Lucid SAP Master Data

Part Number
UOM
Shipping Lead Time
Firm Zone
Supplier Ship From Code
Supplier Payee Code
Lucid Ship To Code

Manual Exchange/Load Pre-Onboarding

True Auto Web

Full Replacement Logic EDI Data

Lucid SAP Forecast Data

SA Number
Planned Quantities
Line Items
Delivery Date
Cumulative Quantity
Ship To Code and Address



NOTE: Even though demand is sent to web portal for supplier consumption, there are EDI messages that reflect the same demand. Suppliers can view their demand in EDI format on the web portal

Supplier Portal Master Data

Unit Weight
Qty/Pack
Unit Price
Country Of Origin

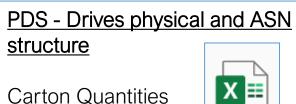
Lucid SAP Schedule Agreement (ME84)

Quantities
Expected Ship Dates
Line Items
Release Authorization Number (RAN)
Delivery Date
Cumulative Quantity
Ship To Code and Address

EDI DELJIT

Code and Address Ship From Code Payee Code Company Code Ship To Code

ASN Data Sources (Shipping / Logistics, labelling)



Carton Quantities
Pallet Quantities
Homogeneous, Mixed, or
Loose Label Type

Supplier Portal Order Data

Quantities
Dates
Line Items
Release Authorization Number (RAN)
Ship Date
Delivery Date
Cumulative Quantity
Ship To Code and Address
Ship From Code
Payee Code
Auto
Company Code
Ship To Code

Country of Origin

Carrier/Transportation Information (Carrier Portal/Email)

Carrier Name SCAC Code Carrier Shipment Tracking Number / International BOL

<u>Labels</u>

Ship From Code
Part Number
Carton License
Quantity Plate/Handling Unit
Pallet License Plate/handling Unit
Ship From/Ship To Addressing,
Carton/Box Count
Country of origin





EDI DESADV ASN NOTE: The ASN information you create on the portal generates an EDI ASN message to Lucid. Suppliers can view their ASNs in EDI format on the web portal

Building Lucid ASN (Advanced Ship Notice) and Shipping Labels

- PDS Packaging Data Structure sheets
- DTM Date Of Manufacture (DOM) (Contact your GSM if applicable)
- ASN must match physical shipment structure and the PDS (Packaging Data) Structure
- License Plate Values/Labels
 - Label License Plate Structure
 - Homogeneous Pallet (1 part per pallet)
 - Mixed Pallet (multiple parts per pallet)
 - Loose Bulk Pallet (1 box or item; large parts; gaylord boxes)
 - Multiple RANs (Requested Delivery Dates) for the same product on same pallet
- Capturing Shipment Tracking Numbers, SCAC Codes, Carrier Name, Transportation Mode

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PDS – Packaging Data Structure – Defines Physical Shipment Structure

How do I know what my physical structure is?

Your Lucid Packaging Engineer should have worked with you to setup a Packaging Data Sheet (PDS) that shows how your cartons and pallets are physically constructed

- It tells you how many parts are in a carton
- What type of carton Loose/Bulk, or Palletized (e.g., shows Palletized)
- How many cartons on a pallet
- Note: PDS Samples modified for sample purposes

Palletized Lucid Motors Packaging Data Submission Form Date Supplier Information Supplier Number Supplier Name * P11-12345-00 92.48 Part Height (z) Primary Packaging Information (Box-Level) 32 in Carton Height Carton Tare Weight Parts per carton ' Carton Gross Weight * 92.48 lbs Weight of individual box, with parts Flute Size lbs/f/in Board Strength Type of Dunnage Dunnage Material Unit Load Packaging Information Total Pack Cost \$ 62.66 **Lucid Motors Packaging Data** Picure of Unitized Load Picture of Box Exterior - Open*

Loose/Bulk

Physical

Structure

Lucid Motors Packaging Data Submission Form Date
Supplier Information
Supplier Name * Sample Supplier Supplier Number
Form Initiator Information
Contact Name * Phone Number *
Contact Email *
Part Information Note: Dimensions refer to part in "shipping position", i.e. bundled and bagged, not "CAD position"
LUCID LOOSE BULK PART P11-98765-00 Part Description * 40 CHARACTER LIMIT Part Number *
Purchase Unit of Measure (ea, mm, etc.) * EA Part Weight * 92.48 lbs
Part Length (x) Part Width (y) Part Height (z)
Primary Packaging Information (Box-Level)
Carton Length * 62 in Carton Width * 32 in
Carton Height * 39 in Carton Tare Weight lbs
Parts per carton * 1 parts Carton Gross Weight * 92.48 lbs
i.e. Standard pack size, QPC, Quantity, etc. Weight of individual box, with parts
Lucid Carton Name Type of Carton
Board Strength Flute Size lbs/f/in
Type of Dunnage Dunnage Material
Unit Load Packaging Information
Cartons per Layer * 1 cartons Layers Per Pallet * 1 layers
Calculation: Parts Per Unit Load 1 parts
Calculation: Unit Load Weight Ibs Total Pack Cost \$ 62.66
Lucid Motors Packaging Data
Picture of Box Exterior - Open* Picure of Unitized Load

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Building Lucid DESADV ASN (Advanced Ship Notice)

Shipment Prep/Palletization

- Master Pallets
- Mixed Pallets
- Boxes
- Label Creation
 - 1J Carton/Box
 - 5J Mixed Pallet
 - 6J Master Pallet

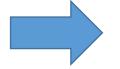
Pallet Labels





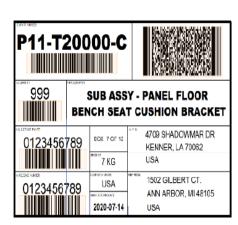
ASN Buildout

- Release
 Authorization
 Number RAN
- Purchase Order Number
- Labels/License Plates
- SCAC Code
- Carrier Shipment Tracking Number
- ASN Number



Lucid EDI ASN





Carton Labels

Value consists of these elements:

Example: 6J12345600000000001

- 2-digit Data Identifier Master Pallet=6J, Mixed Pallet=5J; Single Carton/Box=1J
- Your Supplier Ship From Number. No leading zeros before this value.
- Label Serial Number padded out so entire GIR value = 20 characters.
- See Lucid Labelling Guidelines available from TC site

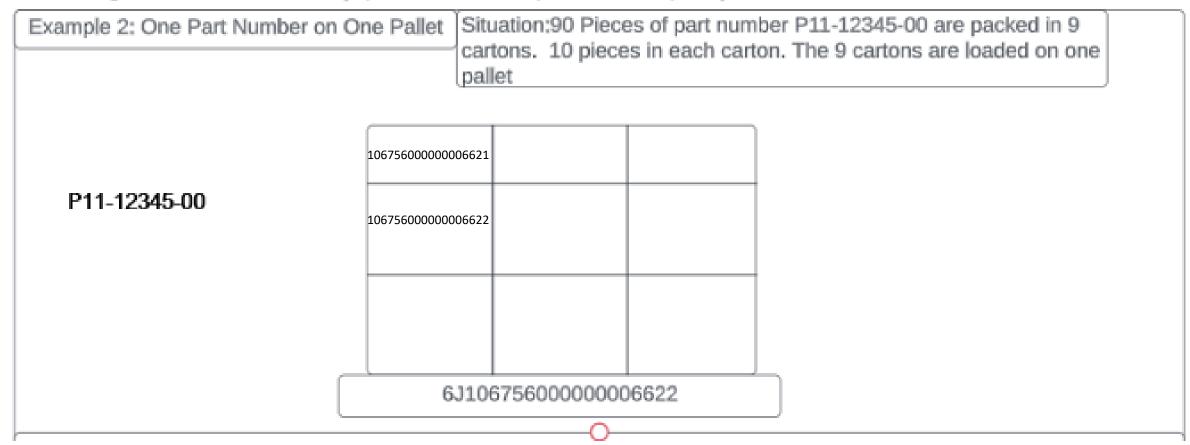
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DOM - Date Of Manufacture

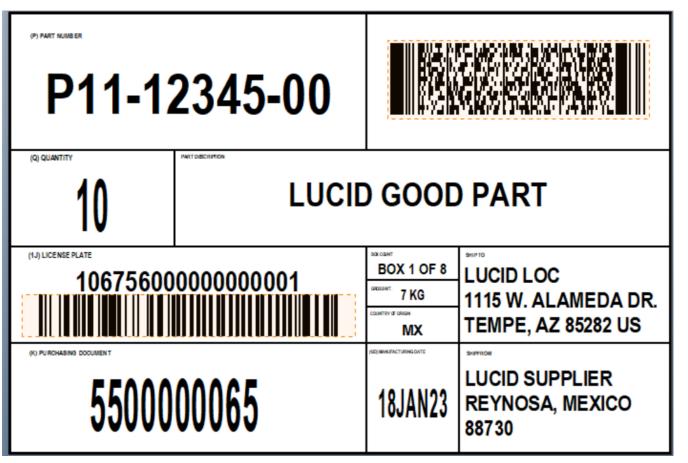
DOM - Date Of Manufacture - The date the part is manufactured

ASN Homogeneous Pallet – One Part Number on the pallet

Homogenious Pallet Structure (1 part number, multiple cartons, 1 pallet)



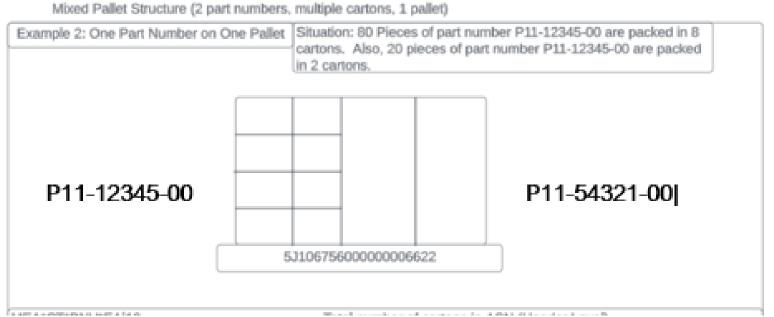


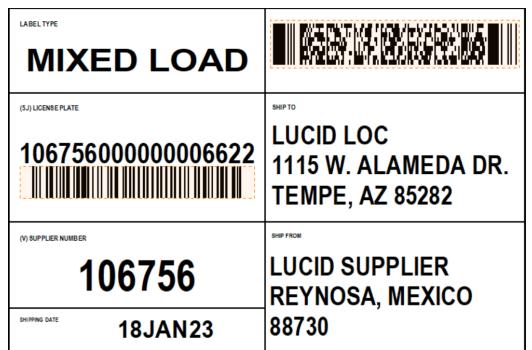


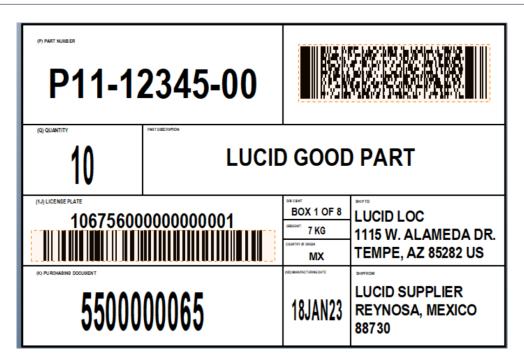
Master Label applied to pallet on adjacent corners

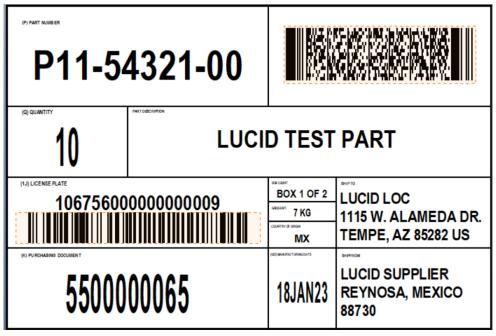
One label applied to each carton

Mixed Pallet Structure Labels - 2 part numbers, multiple cartons, 1 pallet

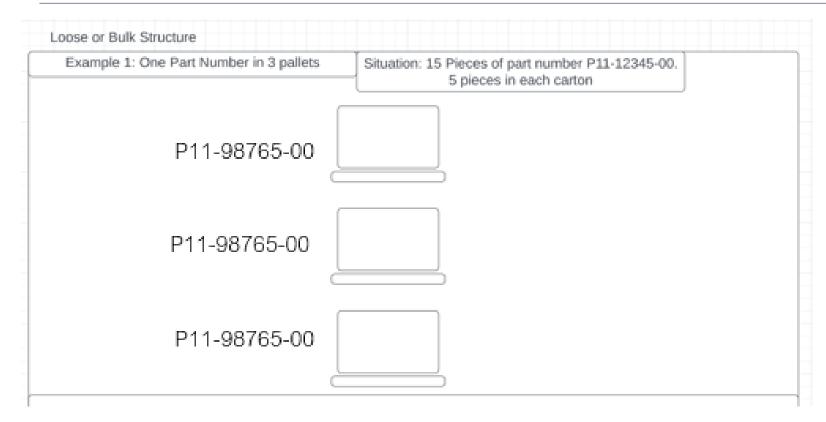








Loose or Bulk Structure Labels

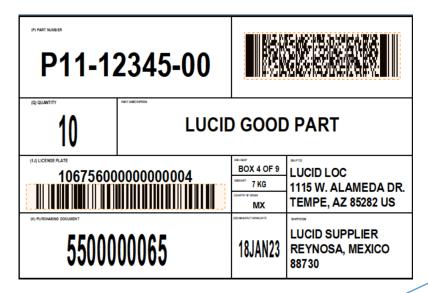


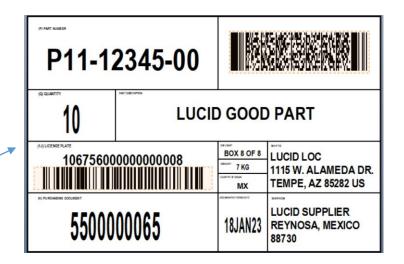


Multiple Pallets - Homogenous and Mixed Label

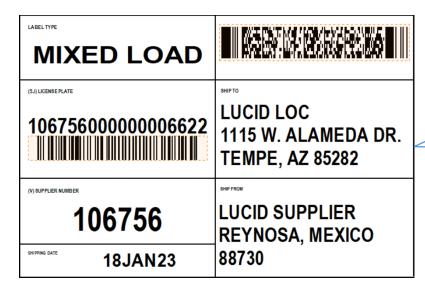
Homogenous

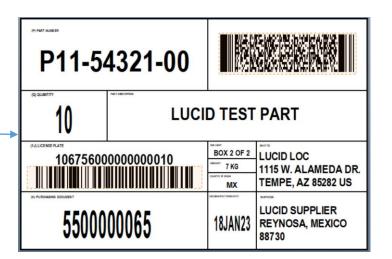






Mixed





Carrier Shipment Tracking Capture and Reporting - Domestic North America Shipments

Shipment Tracking Numbers Domestic North America (Canada, US and Mexico)

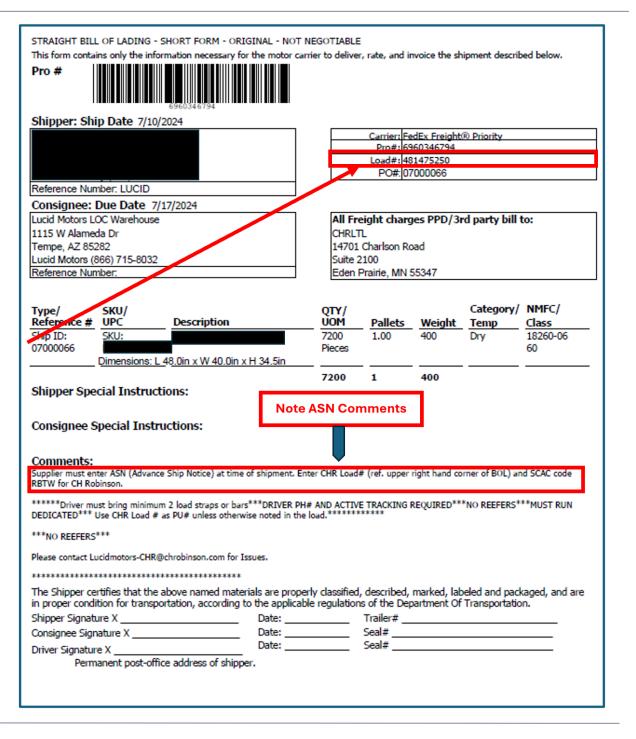
Your Lucid shipping carrier should provide you with all the tracking numbers you need for EDI during your transportation pickup arrangements. If you are not sure, contact carrier and confirm.

- CH Robinson Load Number is the carrier shipment tracking number.
 CHR provides the carrier shipment tracking number via their shipping portal and sends email confirmation.
- You MUST ensure the CHR Load Number flows from your shipping system to the EDI subsystem in the RFF:ZZZ field.
- The ASN number should NOT be used for any other tracking number in the DESADV (ASN Advanced Shipment Notice) RFF segment.

The CHR Load Number is found on the upper right-hand side of document and also accessible in CHR's portal. Carrier shipment tracking number information must be entered in your ASN along with the correct SCAC code.

Transportation Mode, Carrier name, and SCAC codes (TDT segment) must be provided, or Lucid will reject your ASN.

CHR SCAC code = RBTW



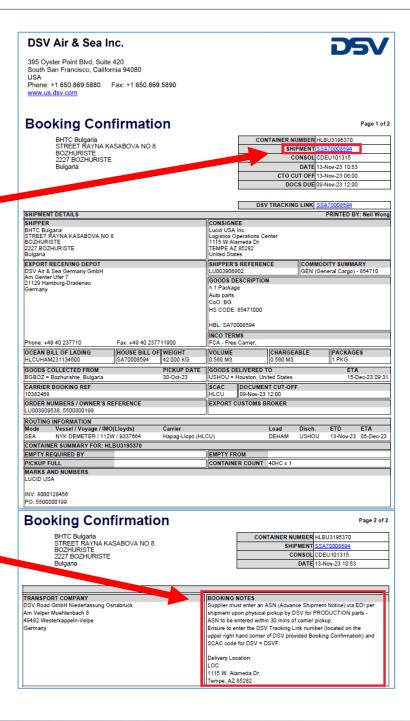
Carrier Shipment Tracking Number Capture and Reporting - International Ocean and Air DSV

Shipment Tracking Numbers International Ocean and Air

- DBS Is one of multiple Lucid international carriers.
- DBS provides their Carrier Shipment Tracking Number via their shipping portal and sends confirmation via email.
- You MUST ensure the DSV Carrier Shipment Tracking Number flows from your shipping system to the EDI subsystem in the RFF:ZZZ field. Your Airway or House Bill goes in the RFF:BH segment.
- When Suppliers ship Internationally, they must ensure the ASN contains the SCAC, Carrier Shipment Tracking Number, Transportation Mode (e.g., air, boat, truck, parcel, hand carry), or Lucid will reject your ASN.
- The ASN number should NOT be used for any other tracking number.
- DVS SCAC code = DSVF

NOTE: For Fedex shipments, Lucid provides your shipping operations with a FEDEX label. Use that number in your RFF:ZZZ segment as your tracking number

Lucid's carriers are subject to change, it is incumbent upon supplier shipping operations to ensure they know how to capture the shipment tracking information Lucid requires for your ASN. Lucid carriers are well-versed and aware of the importance to Lucid of providing this tracking information. If you have carrier questions, contact them directly, or your Lucid Transportation rep.



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