

Celestica Singapore Routing Guide

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|-------------------------------------|--|--------------------------------------------|--|-------------------------|---------------------|-----------------------|--------------|----------------------------|
| Serangoon Site Address (AMS) | | Woodlands Site Address (EMS) | | Location | Site Contact | Function | Phone | Email |
| Celestica Singapore | | Celestica Singapore | | Woodlands - 1st Contact | Beng Kiat Koh | Logistics Team Leader | 65-6374 7362 | bkoh@celestica.com |
| No. 6, Serangoon North Ave 5 | | Blk 35, Marsiling Industrial Estate Road 3 | | Woodlands - 2nd Contact | Young Yaw Yee | Supply Chain Manager | 65 9711 4252 | youngyaw.yee@celestica.com |
| #05-04 | | #03-01 | | Serangoon - 1st Contact | Derick Loke | Logistics Team Leader | 65-6484 9537 | dloke@celestica.com |
| Singapore 554910 | | Singapore 739257 | | Serangoon - 2nd Contact | Eric Seah | Supply Chain Manager | 65-6483 9608 | qseah@celestica.com |

Multiple small packages shipped on the same day to Celestica must be consolidated into one shipment. The supplier is required to combine multiple part numbers and purchase orders in one shipping container/on one pallet/ once AWB/HAWB

Shipments of comparable size, height, and density that are difficult to handle, and for which the combined gross weight exceeds 150 pounds (68 kg) or are oversized should be palletized.

Consolidate items shipped on one day to the same destination on one pallet, one bill of lading, one air waybill or ocean bill of lading. The Carrier to be used for same day consolidated shipment will be based on the weight breaks listed below:

Below is the standard freight routings. Please coordinate all expedites, express freight and ocean shipments with Celestica Singapore logistics contacts.

All Air shipment above 150kg but less than 500kg require SCM Planning Manager approval.

All shipments including Chicago/Los Angeles consolidation point shipments must include a commercial invoice. Please see international documentation requirements below.

See Chicago/Los Angeles consolidation point listed below for all USA origin shipments

For Air Shipment above 500kg will require Material Manager approval.

AIR shipment weights are based on chargeable weights (max of dimm weight and actual weight) when determining mode of transportation. See Page 3 for weight definitions and calculations

| Inbound Standard Routing | | | | | | | | | | | | | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------|--------------------------------------------------------------------------------------------|-------------------|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--------------------------------------------------------------------------------------------------------------------|-------------------|---------------------------|-------------------|---------------------------|
| Country | Small Pack | | | Heavyweight Air | | | LTL Truck | | | Full Truck | Ocean LCL | | | Ocean Container | |
| Supplier Shipping Origin Location | Chargeable Weight | Avg. Transit Days | Carrier | Chargeable Weight | Avg. Transit Days | Carrier | Chargeable Weight | Avg. Transit Days | Carrier | Carrier | FCL & LCL bookings from all origins are to be made with the carriers 3 weeks in Advance of the planned pickup date | | | | |
| | | | | | | | | | | | Chargeable Weight | Avg. Transit Days | Carrier | Avg. Transit Days | FCL Carrier |
| USA See below USA origin consolidation point for ship to address. See below invoice requirements for commercial invoice consignee address. | <150lbs | 1-3 | FedEx Ground (Chicago or Los Angeles) See below for Origin States Bill 3rd Party | | 7-9 | DSV Air Consol * See below "USA origin Consolidation Point" for ship to address in Chicago or Los Angeles according to supplier's address* | 150lbs+ | 1-7 | FedEx Freight Priority LTL (Chicago or Los Angeles) See below for Origin States Bill 3rd party to Celestica San Jose - CLSSJ -C/O A3 Freight Payment 3150 Lenox Park Blvd Suite 400 Memphis, TN 38115 | | 150 kg + | 50-55 | Kuehne + Nagel | 40-50 | Expeditors |
| Exception -USA Direct (City Lancaster,Vandalia,Itasca,Dallas,) | | | | >150 lbs+ | 7-9 | CEVA | | | | | Check with site logistics | | | | Check with Site Logistics |
| Exception - USA Direct (City Hampton,Troy,) | | | | >150 lbs+ | 7-9 | CEVA | | | | | Check with site logistics | | | 40-50 | Expeditors |
| Exception-USA -(City Garland, Roberts) | | | | >150 lbs+ | 7-9 | CEVA | | | | | 150 kg + | 50-55 | Kuehne + Nagel | | Check with Site Logistics |
| Exception - USA (City Haverhill) | | | | | | | | | | | | | | 40-51 | Expeditors |
| Mexico | < 100kg | 4-6 | FedEx Int'l Priority | 100 kg + | 7-9 | CEVA | - | - | - | | 150 kg + | 50-55 | DGF | 40-50 | Expeditors |
| Europe | - | - | - | - | - | - | - | - | - | | | | | | |
| Europe Exception - Germany | < 45 kg | 2-4 | FedEx Int'l Priority | 45 kg + | 8-10 | CEVA | | | | | - | | Check with site logistics | | Check with Site Logistics |
| Europe Exception - Great Britain | < 45 kg | 2-4 | FedEx Int'l Priority | 45 kg + | 8-10 | CEVA | | | | | 250 kg + | 50-60 | Kuehne + Nagel | | Check with Site Logistics |
| Europe Exception - France | | | | | | | | | | | 250 kg + | | Expeditors | | Check with Site Logistics |
| Asia | - | - | - | - | - | - | - | - | - | | | | | | |
| Asia Exceptions: | < 45 kg | 1-3 | DHL Express | 45 kg-250kg | 5-7 | LX Pantos | | | | | | | | | |
| CHINA | < 45 kg | 1-3 | DHL Express | 45 kg-250kg | 5-7 | LX Pantos | - | - | - | | | | | | |
| China Exception- (Guangzhou,Shenzhen,Xiamen,Kushan) | < 45 kg | 1-3 | DHL Express | 45 kg-250kg | 5-7 | LX Pantos | | | | | 250 kg + | 12-15 | Kuehne + Nagel | 15-20 | Dachser |
| China Exception- (Huzhou) | < 45 kg | 1-3 | DHL Express | 45 kg-250kg | 5-7 | LX Pantos | | | | | | | | 15-20 | Dachser |
| China Exception- (Nantong) | | | | | | | | | | | 250 kg + | 12-15 | M+K Logistics PTE LTD | 15-20 | Dachser |
| China Exception- (Dongguan) | | | | | 5-7 | | | | | | 250 kg + | 12-15 | M+K Logistics PTE LTD | 15-20 | Dachser |
| China Exception - Suzhou, Hangzhou, Ningbo, Wuxi, Foshan, Shanghai, Zhongshan. | | | | | 5-7 | | | | | | 250 kg + | 12-15 | M+K Logistics PTE LTD | | |
| Hong Kong | < 70 kg | 2-3 | FedEx Int'l Priority | 70- 250 kg | 5-7 | LX Pantos | | | | | 250 kg + | 12-15 | Kuehne + Nagel | 15-20 | Expeditors |
| Taiwan (Kaoshiung, Taipei, New Taipei City, Keelung) | < 70 kg | 2-3 | FedEx Int'l Priority | 70- 250 kg | 5-7 | DGF | | | | | 250 kg + | 12-15 | Kuehne + Nagel | 15-20 | Dachser |
| Taiwan (Taoyuan) | | | | | | | | | | | 250 kg + | 12-15 | M+K Logistics PTE LTD | 15-20 | Dachser |
| Vietnam | | | | | | | | | | | 250 kg + | 12-15 | Kuehne + Nagel | | Check With Site logistics |

Carrier Information

| Carrier | Phone | Contact Name | Web Site or Email Address | Account Number |
|----------------------------|-------------------------------------------|----------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-------------------------|
| CEVA | Check with site logistics team | Amy Wang (Escalations for Asia) Lukic, Nikoleta (Escalation for Global) | www.cevalogistics.com amy.wang@cevalogistics.com nikoleta.lukic@cevalogistics.com | Contact Buyer or see PO |
| Dachser | +65 6417 9529 | Noraini Moksin | http://www.dachser.com noraini.moksin@dachser.com | Contact Buyer or see PO |
| Expeditors International | 65 6510 7965 | Li Yang | https://www.expeditors.com/locations Yang.Li@expeditors.com | Contact Buyer or see PO |
| FedEx | Check with site logistics team | Check with site logistics team | www.fedex.com/?location=home | Contact Buyer or see PO |
| FedEx (USA to Chicago) | Check with site logistics team | Check with site logistics team | www.fedex.com/us/fedex/shippingservices/package/ground.html | Contact Buyer or see PO |
| FedEx (USA to Los Angeles) | Check with site logistics team | Check with site logistics team | www.fedex.com/us/fedex/shippingservices/package/ground.html | Contact Buyer or see PO |
| Kuehne-nagel | Check with site logistics team | Check with site logistics team | https://home.kuehne-nagel.com/ | Contact Buyer or see PO |
| M+K LOGISTICS PTE LTD | +65-84980528 +86 755 8232 7680 Ext 809 | Alan Loo Kitty Cai | https://www.mklog.com.sg alan.loo@mklogs.com | Contact Buyer or see PO |
| DHL Global Forwarding | 65 6548 9687 | Jynn Low (DHL SG) FANNY FONG(Operations) | Global Freight Forwarder DHL Global Forwarding Global Jynn.Low@dhl.com fanny.fong@dhl.com | Contact Buyer or see PO |
| LX Pantos | +82 02 69011188+82 02 69890599 | Lee Seung Hwan; Park I Dam | Jane.Park@lxpantos.com Sheughwan.lee1@lxpantos.com | Contact Buyer or see PO |
| DSV | Check with site logistics team | Check with site logistics team | www.dsv.com | Contact Buyer or see PO |

USA origin Consolidation Point

For USA suppliers only. Please list the full hub address below on the bill of lading. Match the ship from state to the list below to choose the correct hub location. (Do not list this address on the commercial invoice)

| Consignee | Address | Contact Name | Tel | Fax | Email Address |
|---------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|--------------------------------------------------------|-------------------------------------------------------------------------------------------------|-------------------------------------|----------------------------------------|
| Celestica Singapore C/O DSV Franklin Park <i>Attention: Celestica Singapore (for Fedex domestic purpose to ORD hub)</i> | DSV Chicago 10701 Seymour Avenue, Franklin Park, IL 60131, USA | Celestica Support Desk | Direct: +1 847 228 2263 Mobile: +1 312 287 6946 Direct: +1 847 228 2263 Mobile: +1 312 933 9784 | Fax: +1 847 357 9321 | <u>ORD.ExpAir.Celestica@us.dsv.com</u> |
| Celestica Singapore C/O DSV Torrance <i>Attention: Celestica Singapore (for Fedex domestic purpose to LAX hub)</i> | DSV Air & Sea 19901 Western Avenue Torrance CA 90501 USA | Celestica Support Desk Escalation : Francisco Olate | +1-310-819-4060 Ext: 1940 +1-310-414-1516 Ext. 4618 +1 (310) 414 1516 Ext. 4699 | 1-310-819-4055 or 1-310-819-4058 | ExpAir.Celestica@us.dsv.com |

Consolidation Hub Location

USA Origin Shipping States

| | |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| Chicago Hub (Franklin Park) | AL, AR, CT, DE, DC, FL, GA, IA, IL, IN, KS, KY, LA, MA, MD, ME, MI, MN, MO, MS, NC, ND, NE, NH, NJ, NY, OH, OK, PA, RI, SC, SD, TN, TX, VA, VT, WI, WV |
| Los Angeles Hub (Torrance) | AZ, CA, CO, ID, MT, NM, NV, OR, UT, WA, WY |

International Commercial Invoice Requirements

All Commercial invoices must contain the following information or shipments will be held in Customs or returned to the origin.

- Shipper name and address
- Sold to or invoice to name and address
- Consignee name and address:
All Commercial invoices must list one of the following addresses. Please do not list a consolidation point address on the commercial invoice.

| | |
|--------------------------------------------|--------------------------------------------|
| Serangoon Site: Celestica Singapore | Woodlands Site: Celestica Singapore |
| No. 6, Serangoon North Ave 5 | Blk 35, Marsiling Industrial Estate Road 3 |
| #05-04 | #03-01 |
| Singapore 554910 | Singapore 739257 |
- Invoice number
- Ship date
- Carrier and way bill number (if info. available)
- Incoterms
- PO. number
- Celestica part number
- Description
- Quantity (for each line item)
- Unit price (for each line item)
- Extended price (for each line item)
- Country of origin (for each line item)
- Total value on the invoice
- Weight and number boxes or skids.

For/shipper (those shipping to the consols), a Shippers Export Declaration (SED) or an Automated Export System Record (AES) is required

<http://www.access.gpo.gov/bis/ear/pdf/758.pdf>

<https://www.census.gov/foreign-trade/aes/aesdirect/AESDirect-User-Guide.pdf>

these documents prior to arrival of shipment to DSV dock. Send to the email above and attach a copy on the outside of the shipping carton.

1-Commercial Invoice (please refer to the above international documentation requirements).

2-SLI / EEI

- 3-Packing List
- 4-Certificate of Origin
- 5-USPPI (if necessary for cargo value over USD 2500)

Additional working processes for sending the pre-notification email to DSV

1. Email subject (PO#/FedEx tracking number/LAX or ORD)

-e.g. (PO#9190000000/Trk#123456789101/ORD)

-In PDF Format

Emails:

- ORD.ExpAir.Celestica@us.dsv.com (ORD Hub)

-ExpAir.Celestica@us.dsv.com (LAX hub)

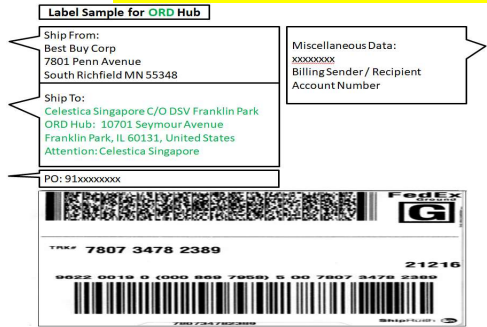
2. Following information listed on FedEx Tracking label (Fedex Domestic Service to DSV hub)

-Celestica (site name) c/o DSV Franklin Park (ORD hub) or Torrance (LAX hub)

-e.g. Celestica Singapore c/o DSV Franklin Park

-PO#

Point number of domestic courier for sites (If Fedex Freight (LTL) on BOL please add Bill To Name/Address i.e "Celestica Singapore C/O DSV Franklin Park")



Weight Definitions and Calculations

Actual Weight:
- The weight of a package using a standard scale rounded to the next full pound / KG. (Example: a 12 1/2 pound carton will have an "actual weight" of 13 pounds).

Dimensional (Volumetric) Weight:
- A calculation used to reflect a package's density. The International Air Transport Association (IATA) volumetric standards is used to determine the dimensional weight.
- A calculation used to determine the three-dimensional space the carton occupies: length x width x height measured in cubic inches or cubic centimetres.

Chargeable Weight:
- The chargeable weight of the shipment will be the higher of the volumetric weight or the gross weight.

How to Calculate Volumetric Weight (International air shipments)

International Shipments Calculation with Freight Forwarders

Imperial (IN / LBS)
DIMENSIONAL WEIGHT = $\frac{\text{Length} \times \text{Width} \times \text{Height}}{166}$ (International)

Metric (CM / KG)
DIMENSIONAL WEIGHT = $\frac{\text{Length} \times \text{Width} \times \text{Height}}{6000}$ (International)

International Shipments Calculation with DHL Express, TNT Express and FedEx Express

Metric (CM / KG)
DIMENSIONAL WEIGHT = $\frac{\text{Length} \times \text{Width} \times \text{Height}}{5000}$ (International)

International Shipments Calculation with DHL Freight and TNT Economy

Metric (CM / KG)
DIMENSIONAL WEIGHT = $\frac{\text{Length} \times \text{Width} \times \text{Height}}{4000}$ (International)

Identifying what your chargeable weight will be:

Example - Imperial Calculation
Actual Pallet Weight = 250lbs
Pallet Dimensions = 48 x 40 x 50in
Pallet Volumetric weight = (48 x 40 x 50) / 166 = 578.31lbs
Chargeable Weight of shipment = 578.5lbs

Example - Metric Calculation
Actual Pallet Weight = 150kg
Pallet Dimensions = 122cm x 102cm x 120cm
Pallet Volumetric weight = (122x102x120) / 6000 = 248.88kg
Chargeable Weight of shipment = 249kg

How to Calculate Volumetric Weight (USA Domestic air shipments)

Imperial (IN / LBS)
DIMENSIONAL WEIGHT = $\frac{\text{Length} \times \text{Width} \times \text{Height}}{166}$ (USA Domestic)

Example - Imperial Calculation
Actual Pallet Weight = 250lbs
Pallet Dimensions = 48 x 40 x 50in
Pallet Volumetric weight = (48 x 40 x 50) / 166 = 578.31lbs

How to Calculate Volumetric Weight (International air shipments)

Metric (CM / KG)
DIMENSIONAL WEIGHT = $\frac{\text{Length} \times \text{Width} \times \text{Height}}{6000}$ (International)

Example - Metric Calculation
Actual Pallet Weight = 600kg
Pallet Dimensions = 122 x 102 x 100cm
Pallet Volumetric weight = (122 x 102 x 100) / 6000 = 207.4kg

Chargeable Weight of shipment = 578.5lbs

Chargeable Weight of shipment = 600kg

Length or Girth - (For FedEx International and USA domestic Air and Ground)

Your Chargeable Weight will be based on the greater between the actual package weight and the Length and Girth of the package.

Length - is the largest dimension of the carton or object being shipped. For example, if the package is very tall (height is greater than the base) use the height as the length.

Girth - is the sum of 2 times the width plus 2 times the height or the measurement around the largest area of the cylinder (see illustration).

