

Skyfleet API Documentation

REST API for custom integrations — book, track, reconcile, and receive real-time events.

Base URL: <https://api.skyfleetnow.com/api/v1> · Online: <https://www.skyfleetnow.com/developers> · Support: support@skyfleetnow.com

Overview

The Skyfleet API is a JSON REST API. All endpoints are relative to the base URL above and require authentication (except public tracking). Use it to check rates, create and book shipments, track parcels, reconcile COD and wallet, handle NDR/returns, and receive real-time webhook events.

- Requests and responses are UTF-8 JSON. `Content-Type: application/json`.
- Timestamps are ISO-8601 (UTC). Money is in INR (₹) unless a field ends in `Paise`.
- Weights in grams, dimensions in centimetres.

Authentication

Authenticate every request with an **API key**. Generate one in the dashboard under **Settings** → **Developer** → **API Keys**. The full key (`sf_live_...`) is shown **once** at creation — store it securely; revoke and re-create anytime. A key is scoped to your organization. Send it as the `X-API-Key` header.

```
curl https://api.skyfleetnow.com/api/v1/wallet \
-H "X-API-Key: sf_live_XXXXXXXXXXXXXXXXXXXXXXXXXXXX"
```

Keep keys server-side only — never ship them in a browser, mobile app, or public repo. Rotate immediately if exposed.

Responses & errors

Success

```
{ "success": true, "data": { ... }, "message": "optional" }
```

Paginated list

```
{ "success": true, "data": [ ... ],
  "meta": { "total": 120, "page": 1, "limit": 20, "totalPages": 6 } }
```

List endpoints accept `page` (default 1) and `limit` (default 20).

Error

```
{ "success": false, "message": "Human-readable reason", "errors": { "field": ["..."] } }
```

Status	Meaning
400	Bad request / validation failed
401	Missing / invalid / revoked API key
402	Wallet not configured (booking)
403	Forbidden — e.g. KYC not approved
404	Not found
409	Duplicate order reference (DUPLICATE_ORDER_REF)

Enums

- **ShipmentStatus:** CREATED, LABEL_GENERATED, PICKUP_SCHEDULED, PICKED_UP, IN_TRANSIT, OUT_FOR_DELIVERY, DELIVERED, DELIVERY_FAILED, RTO_INITIATED, RTO_IN_TRANSIT, RTO_DELIVERED, CANCELLED, LOST, DAMAGED
- **PaymentMode:** PREPAID, COD **ShipmentType:** FORWARD, REVERSE, EXCHANGE
- **NdrAction:** REATTEMPT, RTO, CHANGE_ADDRESS, CONTACT_CUSTOMER

Booking prerequisites (KYC + wallet)

POST /shipments creates a **draft** (status `CREATED`, no AWB, no charge). Booking a draft is gated:

- Organization KYC must be **APPROVED** (else `403`).
- A wallet must be configured (else `402`); prepaid wallets must cover the freight.

Rates & serviceability

POST /rates/calculate — all courier quotes for a lane.

```
curl /rates/calculate -X POST -H "X-API-Key: sf_live_..." -H "Content-Type: application/json" \
-d '{ "pickupPincode": "110011", "dropPincode": "400001", "weightGrams": 500,
      "paymentMode": "PREPAID", "lengthCm": 20, "breadthCm": 15, "heightCm": 10, "invoiceValue": 1499 }'
```

200 → data: [

```
{ "courier": "Delhivery Surface", "carrierId": "delhivery-surface", "zone": "METRO",
  "chargeableWeightGrams": 500, "baseRate": 46.61, "codCharge": 0, "gstAmount": 12.05,
  "totalCharge": 78.95, "eddDays": 3, "isAvailable": true } ]
```

GET /rates/serviceability/detailed?pickup=110011&drop=400001&serviceType=FORWARD — per-courier serviceability.

GET /rates/classify?pickup=110011&drop=400001 — zone classification.

Shipments

POST /shipments — create a draft.

```
curl /shipments -X POST -H "X-API-Key: sf_live_..." -H "Content-Type: application/json" \
-d '{
  "shipmentType": "FORWARD", "paymentMode": "COD", "orderReferenceNumber": "ORD-1042",
  "invoiceValue": 1499, "codAmount": 1499,
  "pickup": { "name": "Acme Warehouse", "phone": "9876543210", "address": "Plot 4, Industrial Area",
              "city": "New Delhi", "state": "Delhi", "pincode": "110011" },
  "drop": { "name": "Ravi Kumar", "phone": "9812345678", "address": "12 MG Road",
            "city": "Mumbai", "state": "Maharashtra", "pincode": "400001" },
  "packages": [ { "weightGrams": 500, "lengthCm": 20, "breadthCm": 15, "heightCm": 10,
                  "items": [ { "name": "Cotton T-Shirt", "sku": "TS-01", "quantity": 1, "unitPrice": 1499 } ] } ]
}'
```

201 → data: { "shipment": { "id": "...", "status": "CREATED", ... } }

Required: `shipmentType`, `paymentMode`, `invoiceValue`, `pickup`, `drop`, `packages` (≥ 1 , each with weight + dimensions + items). `codAmount` required for COD. `orderReferenceNumber` must be unique among live orders — a duplicate returns `409` unless `allowDuplicate`: `true`. Reference a saved pickup with `pickupAddressId` instead of an inline `pickup`.

POST /shipments/:id/book — assign courier + AWB (KYC + wallet gate). Body { `carrierBrand`: "DELHIVERY" } optional; omit to auto-allocate.

GET /shipments?status=IN_TRANSIT&page=1&limit=20 — list. Filters: status, paymentMode, carrier, search, from, to, awb, orderId, hasAwb.

GET /shipments/:id — full detail incl. packages, items, tracking events.

PATCH /shipments/:id — edit a draft (only while CREATED, no AWB).

POST /shipments/:id/cancel — body { `reason`: "..." } (optional).

GET /shipments/:id/label-url — 1-hour presigned label PDF URL.

GET /shipments/:id/invoice-url — 1-hour presigned invoice PDF URL.

POST /shipments/bulk-download — body { "shipmentIds":[...], "type":"labels|"invoices" }.

Tracking

GET /shipments/:awb/track — authenticated, returns { shipment, tracking } with live timeline.

GET /public/track/:awb — **public** (no auth), safe for buyers. Sanitized (no full address/phone/COD).

```
curl /public/track/DL1234567890
200 → data: { "awbNumber":"DL1234567890", "status":"OUT_FOR_DELIVERY", "courier":"Delhivery",
  "customerName":"Ravi K.",
  "timeline": { "orderedAt":"...", "pickedUpAt":"...", "deliveredAt":null, "expectedDeliveryDate":"..." },
  "events": [ { "status":"OUT_FOR_DELIVERY", "description":"...", "location":"Mumbai", "eventTime":"..." } ] }
```

For most integrations, prefer webhooks over polling — see below.

COD

GET /cod/remittances?status=PROCESSING&page=1 — your COD payouts.

GET /cod/remittance-schedule — per-cycle COD / freight / VAS statement.

GET /cod/eligible — COD past its cycle window, ready to remit.

GET /cod/upcoming — forward-looking COD with expected remittance dates.

GET /cod/transactions?from=2026-07-01&to=2026-07-31 — per-parcel COD ledger. CSV at /cod/transactions.csv.

Wallet

GET /wallet — current balance.

GET /wallet/config — wallet type, COD cycle config, bank details.

GET /wallet/transactions?category=orders&page=1 — ledger. category: recharges | orders. CSV at /wallet/transactions.csv.

NDR (failed deliveries)

GET /ndr?status=PENDING&page=1 — open NDRs. Stats at /ndr/stats.

POST /ndr/action

```
curl /ndr/action -X POST -H "X-API-Key: sf_live_..." -H "Content-Type: application/json" \
-d '{ "ndrEventId":"NDR_ID", "action":"REATTEMPT",
  "preferredDate":"2026-07-12", "notes":"Customer home after 5pm" }'
```

POST /ndr/bulk-action — body { "ndrEventIds":[...], "action":"REATTEMPT", "notes":"..." }.

Returns (Reverse pickup)

POST /rvp/from-forward — create a reverse pickup from a delivered forward shipment.

```
curl /rvp/from-forward -X POST -H "X-API-Key: sf_live_..." -H "Content-Type: application/json" \
-d '{ "forwardAwb":"DL1234567890", "isQcRequired":false, "reasonForReturn":"Size mismatch" }'
→ returns a REVERSE shipment draft; book it to schedule the pickup.
```

GET /rvp?status=PICKED_UP&page=1 — list reverse pickups.

Webhooks (real-time events)

Instead of polling, subscribe to events and Skyfleet will `POST` them to your URL the moment they happen. Manage endpoints in the dashboard under **Settings** → **Webhooks** (set URL, pick events, get a signing secret).

Events

```
shipment.created           shipment.out_for_delivery
shipment.label_generated   shipment.delivered
shipment.picked_up         shipment.delivery_failed
shipment.in_transit        shipment.rto_delivered
shipment.cancelled
```

Payload

```
POST <your-url>
Headers:
  X-Skyfleet-Event: shipment.delivered
  X-Skyfleet-Signature: <hmac-sha256 hex of the raw body>
  X-Skyfleet-Delivery-Attempt: 1
Body:
{ "event": "shipment.delivered", "timestamp": "2026-07-08T09:15:00.000Z",
  "data": { "awbNumber": "DL1234567890", "orderReferenceNumber": "ORD-1042",
            "status": "DELIVERED", "courier": "Delhivery", ... } }
```

Verify the signature

Compute an HMAC-SHA256 of the **raw request body** with your endpoint's secret and compare (constant-time) to `X-Skyfleet-Signature`. Reject if they differ.

```
// Node.js (Express)
import crypto from "crypto";
app.post("/skyfleet-webhook", express.raw({ type: "*" }), (req, res) => {
  const expected = crypto.createHmac("sha256", process.env.SKYFLEET_WEBHOOK_SECRET)
    .update(req.body).digest("hex"); // raw Buffer, not parsed JSON
  const got = req.headers["x-skyfleet-signature"];
  if (!crypto.timingSafeEqual(Buffer.from(expected), Buffer.from(String(got))))
    return res.status(401).end();
  const event = JSON.parse(req.body.toString());
  // ... handle event.event / event.data ...
  res.sendStatus(200); // 2xx = acknowledged
});
```

Respond `2xx` to acknowledge. Non-`2xx`, timeouts, and network errors are retried with backoff (`4xx` is not retried). Every attempt is logged in Settings → Webhooks → Deliveries, where you can inspect and manually retry.