



ZENITH ECLIPSE JOURNAL

COLD CHAIN

The product sets the conditions.

Controlled transport begins with the product owner's approved limits and a route that can support them. We connect packing, provider acceptance, monitoring and receiving arrangements, so each handoff has the evidence and decision responsibility required by the actual cargo and lane.

THE COVER STORY

**Define the journey using approved limits.
Match qualification evidence to the lane.
Name contacts for records and excursions.**

03

DEFINE THE SERVICE

Choose the option that fits the brief.

04

AGREE THE CONTROLS

Read the evidence and responsibilities.

06

CONNECT THE PLAN

Align milestones and handoffs.

THE ZENITH ECLIPSE APPROACH

Begin with the product conditions.

Food, medicines and other sensitive products need different controls. Define the approved limits, route conditions and decision authority before selecting packing or transport.



We review cold-chain enquiries against the product owner's approved transport and storage requirements. Share product identity, packaging, allowed conditions, journey duration and receiving procedure. A temperature label cannot replace the actual shipment's documented limits and acceptance criteria.

Food controls and pharmaceutical distribution requirements have different regulatory scopes. Identify the product, jurisdictions and responsible providers, then request relevant procedures, qualification and monitoring evidence. A suitable vehicle or pack-out does not establish GDP status or approval for every product and lane.

Agree monitoring and who decides shipment disposition if conditions change. Non-connected loggers provide records retrieved later; connected telemetry depends on coverage and access. Confirm the coordination scope, approved interfaces and escalation contacts before movement.

IN THIS EDITION

- 03** Select the controlled route
- 04** Match controls to the product
- 05** Protect the handoff conditions
- 06** Connect events with quality decisions
- 07** Build the cold-chain enquiry
- 08** Connect with our freight team

SERVICE OPTIONS

Select the controlled route.

Select packing and transport against the product limits, lane and duration. Confirm qualification evidence, operating responsibilities and receiving arrangements for the actual movement.



01 Passive pack-out

For a proposed passive system, provide the product limits, payload, pack configuration and expected journey conditions. Request qualification evidence relevant to the lane, season and duration. The responsible provider confirms the approved pack-out and interfaces; a packaging label alone is insufficient.

02 Active air containers

For a proposed powered air system, confirm cargo compatibility, airline acceptance and the terminal arrangements needed along the lane. Review relevant qualification evidence and responsibility for equipment availability, monitoring and handoffs. The product owner approves the proposed limits and acceptance criteria.

03 Controlled road transport

Connect the product requirements with suitable road equipment, provider procedures and the receiving appointment. Request relevant qualification, maintenance and monitoring evidence. Confirm sanitation, segregation and any food or medicinal-product conditions applicable to the jurisdiction, cargo and provider's assigned role.

04 Reefer ocean routes

Review the proposed reefer system and port interfaces against the product's approved conditions and journey duration. Confirm carrier acceptance, monitoring access and responsibility during terminal dwell and transfer. Equipment settings alone do not demonstrate product condition or acceptance at destination.

SERVICE CONTROL GUIDE

Match controls to the product.

Use evidence specific to the product, configuration and lane. Distinguish transport suitability from regulatory status and the quality owner’s acceptance decision.



CONTROL	WHAT TO AGREE AND VERIFY
Approved product limits	Obtain the product owner’s transport and storage limits, duration constraints and acceptance criteria. Refer to approved labelling or supporting product evidence; a generic cold-chain category cannot define the required conditions.
Lane & system evidence	Request relevant qualification for the proposed system, payload, pack configuration, journey duration and seasonal conditions. Identify the evidence owner and assumptions; qualification for one arrangement does not establish every lane.
Provider procedures	Confirm provider roles, trained staff, procedures and relevant equipment records. Request evidence for the product and jurisdiction; company-wide descriptions do not demonstrate acceptance of the proposed shipment.
Monitoring & records	Agree monitoring devices, calibration evidence, placement and recording interval through the approved plan. Define data access and report timing. Non-connected loggers do not provide live alarms or continuous remote visibility.
Regulatory scope	Identify food or medicinal-product obligations by jurisdiction and activity. FDA sanitary transport requirements cover specified US motor and rail operations, with exclusions; they do not regulate ship or air carriage.
Decision & traceability	Connect shipment, batch, package and monitoring records. Name decision-makers, escalation contacts and release criteria. Record deviations and disposition; delivery receipt alone cannot establish product acceptance.

Evidence must match the product and journey.

SOURCE READING

- WHO · Medical-product storage and distribution
- WHO · Temperature-sensitive pharmaceutical transport
- FDA · US sanitary food-transport scope

OPERATING INTERFACES

Protect the handoff conditions.

Define origin preparation, controlled transfer and receiving as separate interfaces. Each needs suitable arrangements, monitoring continuity and named contacts under the approved plan.

01

PRODUCT TO ACCEPTED SYSTEM

Origin preparation

Connect cargo records with the approved pack-out or transport system. Confirm readiness, acceptance and monitoring. Qualified parties retain responsibility for conditioning and preparation under procedures approved for the actual configuration.

02

PROVIDER TO PROVIDER

Transfer & controlled dwell

Agree terminal or storage acceptance, permitted dwell and continuity of conditions at each handoff. Name the responsible provider and records. Contingencies need product-owner approval and suitable facilities before use.

03

HANDOVER TO QUALITY REVIEW

Receiving & evidence

Agree arrival contacts, receiving capacity and condition-record retrieval. Preserve package and batch identity. The designated quality owner applies acceptance criteria and decides release, assessment or rejection under the applicable procedures.

Carry the evidence through each handoff.

A transport handover and a product release are different decisions. Define who records receipt, who reviews condition evidence and who has authority to accept the product. Our coordination brief connects those responsibilities with the planned route. Providers and quality owners retain their assigned operating, regulatory and release roles.

Connect events with quality decisions.

Plan reporting around the product requirements and accepted interfaces. An arrival update, temperature record and release decision provide different kinds of evidence.

DEFINE

QUALIFY

MONITOR

ASSESS

Agree event reporting, monitoring access and escalation before movement. For human medicines in the relevant EU distribution scope, GDP guidance addresses transport conditions and reported deviations; other products and jurisdictions require their own applicable controls.

01 Before dispatch

Confirm product limits, accepted packing or equipment, lane evidence and provider readiness. Check monitoring references and receiving arrangements. Identify the quality owner and approved escalation path before the shipment is released.

02 During the journey

Report departure, transfer, controlled dwell and arrival events with available condition evidence. Distinguish a recorder's stored data from connected telemetry, and agree how monitoring gaps or delayed updates will be escalated.

03 If conditions deviate

Notify the designated parties and preserve the shipment and monitoring evidence under the agreed procedure. The responsible quality owner assesses excursions or missing records and decides disposition; coordination does not authorise product release.

SOURCE READING

[EU · Human-medicine GDP transport and deviations](#)

THE ENQUIRY WORKSHEET

Build your cold-chain enquiry.

Give our freight team the product-specific conditions and evidence requirements needed to review the proposed lane, providers and receiving interfaces.

YOUR COLD CHAIN ENQUIRY / EIGHT DETAILS

- ☐ Product identity, intended use, batches, shipment value and relevant regulatory jurisdictions.
- ☐ Approved transport and storage limits, duration constraints and product-owner acceptance criteria.
- ☐ Package configuration, payload, dimensions, weights and any special handling restrictions.
- ☐ Origin, destination, proposed lane, seasonal conditions and transfer or storage points.
- ☐ Required readiness, delivery date, receiving hours and suitable receiving facilities.
- ☐ Requested system, provider roles and qualification evidence applicable to the actual arrangement.
- ☐ Monitoring, calibration, data access, reporting requirements and named escalation contacts.
- ☐ Excursion procedures, quality decision authority, insurance arrangements, charge scope and commercial terms.

Still defining the service scope?

Attach the approved product requirements, relevant packaging or lane evidence and receiving procedure. Identify the quality owner and any information still awaiting approval. Send the brief to trans@zenitheclipse.com. We will review the proposed coordination scope and confirm provider acceptance, evidence responsibilities and schedule conditions in writing.

[SEND YOUR COLD CHAIN REQUIREMENTS](#)



ZENITH ECLIPSE
CO

YOUR NEXT SERVICE ENQUIRY

Product limits.
Evidence at every handoff.

**Let's connect
the details.**

Share the approved product limits, proposed lane and receiving requirements. Our freight team will review your cold-chain enquiry and connect the packing, provider, monitoring and handover conditions with the quality responsibilities needed for a clear service plan.

SERVICE ENQUIRIES

trans@zenitheclipse.com

COMPANY & COORDINATION

info@zenitheclipse.com

TELEPHONE / WHATSAPP

+971 4 250 0715



EXPLORE THE SERVICE

zenitheclipse.com

Scan for the service scope
and enquiry options.



Office 204, The Citadel Tower, Marasi Drive, Business Bay, P.O. Box 73020, Dubai, United Arab Emirates

Confirm written scope, provider and quality responsibilities, shipment acceptance and schedule conditions before dispatch. Imagery provides representative context and does not depict Zenith Eclipse-owned cold-chain equipment or facilities.