

## **GCCAP™**

### **Airline Ground Cold-Chain Assurance Facility → Ramp → Aircraft**

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#### **Purpose**

GCCAP™ (Ground Cold-Chain Assurance Protocol) is an independent assurance framework designed to verify control, exposure, and evidence confidence across the airline ground cold chain between catering facility release and aircraft loading.

The protocol addresses a recognised gap in airline catering governance — where responsibility, dwell time, and evidence fragment across multiple handoffs.

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#### **What GCCAP™ Is**

GCCAP™ provides:

- Independent assurance evidence
  - Exposure and evidence confidence scoring
  - Governance-ready outputs suitable for audit and review
  - Trend visibility over time
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#### **What GCCAP™ Is Not**

GCCAP™ does not:

- Provide food-safety certification
  - Replace HACCP or FSMS programmes
  - Approve operations or equipment
  - Guarantee regulatory compliance
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#### **Assurance Scope**

The protocol focuses on:

- Catering facility release
  - Transport interfaces
  - Ramp staging and dwell
  - Aircraft uplift handoffs
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## Methodology & Alignment

GCCAP™ is structured to be interoperable with:

- Codex Alimentarius HACCP principles
- ISO 22000 FSMS documentation cycles
- ISO 22002-5 transport and storage PRPs
- ISO 19011 audit programme guidance
- ISO/IEC 17020 inspection principles
- IATA DG requirements for dry ice (UN1845 / PI 954)

A global assurance core is maintained, with jurisdictional overlays applied as required.

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## Core Outputs

- Hub Exposure Score (HES)
  - Evidence Confidence Score (ECS)
  - Ground-chain process mapping
  - Findings and exception registers
  - Corrective-action effectiveness tracking
  - Executive assurance summaries
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## Independence & Governance

GCCAP™ is vendor-neutral and independent.

No equipment, monitoring systems, or success-based incentives are offered.

Independence is essential to defensible assurance outcomes.

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## Engagement Model

- **Tier 1 — Hub Diagnostic:** baseline exposure and evidence confidence
  - **Tier 2 — Assurance Subscription:** ongoing governance and trend ownership
  - **Tier 3 — Network Benchmarking:** multi-hub systemic insight
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## About the Assurance Lead

GCCAP™ is led by an independent assurance specialist with experience across cold-chain operations, dry-ice applications, and ground-level risk environments in regulated industries.

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**Disclaimer**

GCCAP™ provides assurance evidence and professional opinion only.  
It does not provide certification, regulatory approval, or legal compliance advice.