



**COOLCHAINASSOCIATION**

## **Working Group „Temperature Measurements – When, Where and How?“**

Hosted by Lloyd Gibson, HPL

### Attendees:

Richard Jones, Softbox Systems  
Johan Nordenberg, Envirotainer  
Henrik Ekström, Panalpina  
Frank Mauler, Panalpina  
Arne Lossius, DHL  
Tormod Lundemo, Gardemoen Persihable Center  
Steven Boyd, AmSafe  
Tatyana Popova, AirBridge Cargo  
Stephane Raemdonck, Cargolux  
Mark Roveri, Cargolux  
Peter Hill, AirContainer  
Shoeb Muljjani, Emirates Aviation College  
Mohamed A. Azeem, Qatar Airways  
Arnaud de Bakker, WFS  
Robert Fordree, Menzies Aviation

### **When?**

We identified seven (7) stages of “when” to check the measurement of perishable or temperature sensitive products.

- Pre cooling
- Forwarders/shippers
- Airline (upon acceptance)
- Collection from cargo handling facility
- Importer/distribution centre
- End user/consignee
- Shelf

### **Where?**

We identified two (2) Key areas on “where” to measure PTSP

- On route in the Transportation cycle
- Measurement on piece basis (Data Loggers)

**Cool Chain Association a.s.b.l.**  
Contrescarpe 52 28195 Bremen  
Germany

**T:** +49 421 460 470 12 **F:** +49 421 460 470 10 **E:** sec@coolchain.org **I:** www.coolchain.org

## **How?**

We agreed on two (2) areas on how to measure PTSP

### 1. Maintenance

- Packaging
- Clear labels/identification
- Specialised ULD's

### 2. Measure

- Manual process
- Data loggers

## **Why?**

The group agreed on five (5) significant reasons on "why" we should measure PTSP

- Audit trails
- Ownership of responsibility
- Quality assurance
- Regularity compliance
- Increase product shelf life

The minutes will be published at the CCA webpage/member area.

Lloyd Gibson

- Chairman Working Group -

Ian Gregory

- Minute Taker -