

**ULD CARE Vancouver BC May 07-09, 2013**

# **ISO TC20 SC9 liaison report**

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# What is TC20 SC9 ?

- The air cargo sub-committee of ISO TC20, Aerospace
- Develops the air cargo International Standards
- Chair J. Springer (FedEx), V.Chair J.J. Machon (consultant)
- 22 P and O member countries, including e.g.:

Austria

Germany

Russia

Brazil

Italy

Sweden

China

Japan

Ukraine

Denmark

Korea

United Kingdom

France

Netherlands

United States

# Current activity

- **Last meeting: Beijing, July 10-12, 2012**
- **Next meeting: Stockholm, Oct. 22-24, 2013**  
(participation invited)

## **3 permanent Working Groups :**

- **WG1 Aircraft de-icing (active)**
- **WG2 Air cargo airworthiness (active)**
- **WG3 Baggage handling (currently inactive)**

# What use are International Standards ?

- **Form the technical basis for ULDs in the new IATA ULD Regulations**
- **In specific instances, constitute the technical reference for Civil Aviation regulations (TSO)**
- **Used by ULD manufacturers to design ULDs meeting industry requirements**

# Which International Standards ?

- See IATA ULDR Appendix B (updated yearly), showing correspondence with ULDR SS / OS
- TC20 SC9 works closely with the SAE AGE-2A air cargo sub-committee (2 meetings a year), whose standards are also listed in Appendix B
- Key standards for ULD airworthiness approval:
  - ISO 8097 (NAS 3610), TSO C90c (before 2012)
  - ISO 21100 (AS36100A), TSO C90d (2012 on)

# What are current highlights ?

- Revised ISO 16049-1 and 16049-2 on straps (TSO C172) were just published
- The 3 basic container standards (ISO 4118, ISO 6517, ISO 10327) revisions are under final vote and should be published before end of 2013
- as well as the revision of ISO 10254, air cargo and GSE vocabulary (200 definitions in English, French and German languages)

## **... and new projects ?**

- **New standards actively developed for fire containment ULDs (at this stage for voluntary implementation, no immediate Authorities regulatory action expected) :**
- **ISO 14186, Fire Containment Covers (FCC) for pallets, approved and being published**
- **A draft on Fire Resistant Containers (FRC) is under development by WG2**

# Future trends

## Pallet nets

Discussions are on-going within SAE AGE-2A and SC9 WG2 to develop, to address concerns expressed by EASA:

- a single nets testing method to reduce the variability of results
- a set of environment testing and degradation assessment methods to justify expiry dates

**... and more**

## **Non-certified ULDs**

**To address concerns expressed at the World Cargo Symposium about confusion between «certified» and «non-certified» ULD and too vague Weight & Balance Manuals requirements, consideration will be given to more precisely defining non-certified ULD strength requirements.**

**A discussion **workshop** on this topic is planned at the October 22-24 Stockholm SC9 meeting.**

**Thanks for your attention**

**Any questions or suggestions relayed will be  
duly answered.**