

# ETSC Report

## 1. :General Information:

ETSC was founded in 1994 by:

- SEE, Club 17, and AAAF, test commission, France
- AKTM and DGLR, panel 4.1 telemetry, Germany

Main Tasks of the Committee are::

- To inform & comment on existing and upcoming standards
- Co-ordinate reviews of the new standards
- Act as an information link between users and industries
- Establish committees for addressing specific needs

## 2. ETSC Structure

The ETSC was structured into three Sub Committees:

- SC-1: RF-spectrum & frequency management
- SC-2: Data & acquisition processing
- SC3: Data recording & storage

Present active members countries in ETSC include : Austria, France, Germany and the UK.

Contacts & info. exchange with organisation in : Australia, Brazil, India, Indonesia, Israel, Italy, Norway, South Africa, Spain and Sweden.

## 3. Main Activities SC1: RF-Spectrum & Frequency Management:

Chairman Jean-Claude Couderc DGA/DCE/ECA France

Mail to : [jean-claude.couderc@dga.defense.gouv.fr](mailto:jean-claude.couderc@dga.defense.gouv.fr)

Alternate Jean-Claude Ghnassia AIRBUS France

Mail to: [jean-claude.ghnassia@airbus.com](mailto:jean-claude.ghnassia@airbus.com)

- Support the work of ICTS in general (ETSC secretary: J.M.BERGES SEE France),  
Mail to : [jmberges@voilà.fr](mailto:jmberges@voilà.fr)  
including monthly newsletter publication (see ICTS report)
- Co-ordinate action to support the proposal “additional spectrum allocation for wide-band aeronautical telemetry” as an agenda point of WRC 2007 proposed for WRC 03 (4 July)  
National actions (e.g. France and Germany) help this item
- Inform on teledetection and experimentation group of Fresnel Institute (see attachment)

## 4. Main Activities - SC-2: Data Acquisition and Processing

Chairman: Werner R. Lange, Lange-Electronic, Germany

Email : [rwlange@lange-electronic.de](mailto:rwlange@lange-electronic.de)

Decentralised, bus-oriented data acquisition is becoming more and more popular.

Numerous data buses, standardised or in a sort of way for it, are in existence. The Subcommittee 2 tries to track changes and modifications in existing systems and to follow the evolution of new products.

Based on practical experience and available literature the performance of data buses is analysed and compared (e.g. data transport capacity and speed, data integrity, time correlation).

Work is currently concentrated mainly on coming Avionics data buses (like AFDX et al.), on Field Bus Systems of the industrial environment and the future potential of WLANs for data acquisition and collection: ITU-T Recommendation V11 (up to 10 Mbit/s) and V28 (up to 64 kbit/s), STANAG 4572 & simulator laboratory test for integrated GPS inertial navigation equipment.

## **5. Main Activities - SC-3: Data Recording & Storage**

Chairman: Steve W. Lyons, QinetiQ, UK

Email: [swlyons@QinetiQ.com](mailto:swlyons@QinetiQ.com)

Cite data acquisition & storage issues facing the telemetry user

Review technology trends

Report on relevant RCC-IRIG standardisation activities

## **6. TSCC-Meetings**

ETSC delegates and TSCC members are:

Jean-Claude Ghnassia, Airbus France

Email : [jean-claude.ghnassia@airbus.com](mailto:jean-claude.ghnassia@airbus.com)

Gerhard Mayer, AKTM, Germany

Email: [gerdventus.mayer@t-online.de](mailto:gerdventus.mayer@t-online.de)

They did participate in the TSCC Meeting , 21 October 2002 , held in San Diego, CA.

Various IRIG and IEEE standardisation documents, under review in the US have been made accessible to the ETSC-sub-committees, too