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Dear EtherCAT Technology Group Members,

implementation support, seminars, trade shows, plug fests, committee meetings, standardization, and last but not least many new members have kept the ETG team busy in the last months. In spite of the challenging economic situation our members are further increasing their EtherCAT implementation activities. We find EtherCAT in a very wide range of industries and devices, by far exceeding the classical machine control applications.



This newsletter for ETG members provides an update on the EtherCAT Technology Group activities. Please read it carefully since some events and product marketing opportunities are only announced here, and distribute it to all those within your organization that are concerned with or interested in EtherCAT - including R&D, product management and marketing.

Best Regards on behalf of the entire EtherCAT Technology Group Team,

Martin Rostan, Executive Director

HOT TOPICS

ETG opens new Conformance Test Center in Japan

To best serve the large number of EtherCAT device vendors in Japan, ETG has opened the first EtherCAT Test Center (ETC) outside of Europe in Kyoto, Japan. This new ETC is operated by the Advanced Software Technology and Mechatronics Research Institute of Kyoto (ASTEM RI). The Kyoto Test Center will be fully operational on September 1st, 2009, serving the Japanese as well as the overall Asian EtherCAT community. Please read the full article and see pictures in the press release section:



→ www.ethercat.org/en/press.html

Industrial Ethernet Seminar Series in Taiwan

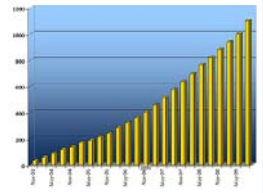
We invite all ETG members to inform their local sales force and especially customers about the upcoming Industrial Ethernet Seminar Series in Taiwan. This special event series takes place in Tainan, Taichung and Taipei on September 15, 17 and 18, 2009. These seminars specifically address system integrators and end users who want to understand EtherCAT and other Industrial Ethernet technologies. Don't miss this excellent opportunity to introduce EtherCAT to your customers in Taiwan. The seminars will help you to promote your EtherCAT products in that region. The seminars are free of charge! Please find detailed information and registration form at a special website:



→ www.ethercat.org/taiwan2009

Historic Milestone for EtherCAT Technology Group: the 1000th Member

With 1000 member companies joining in just over 5 years, the EtherCAT Technology Group (ETG) remains a dynamic organization powered by rapid growth. This milestone was reached in April, meanwhile there are more than 1100 members from 47 countries. The 1000th ETG member is Multivac, a world leader in packaging machine technology headquartered in Bavaria, Germany. See also:



→ www.ethercat.org/en/press.html

1st North American Plug Fest in September, 8th European EtherCAT Plug Fest in October

The 1st North American EtherCAT Plug Fest is hosted by National Instruments in Austin, TX on September 2/3, followed by the 8th European EtherCAT Plug Fest in Pforzheim, Germany, on October 1/2, 2009, hosted by Stöber Antriebstechnik. At the Plug Fests both master and slave devices are interoperability tested in various configurations. The meeting also serves as forum for developers. ETG experts will attend the Plug Fest to ensure qualified feedback and provide technical backup. Registration for the European event is still open, we invite and encourage all manufacturers (not only the Europeans!) of EtherCAT devices, Codes and Tools to participate:

→ www.ethercat.org/MemberArea/Download/PDF/ETG_8th_European_Plug_Fest.pdf

Call for Sponsors: Industrial Ethernet Seminar Series in India in November 2009

In May this year, ETG held a series of EtherCAT seminars in India specifically aimed at ETG members. Over 150 registered participants at New Delhi, Bangalore and Pune informed themselves about the technology and its benefits, so that they can now introduce the technology to their customers.



In India, EtherCAT is already used in a large variety of applications such as packaging machines, automotive test beds, wind turbines and semiconductor manufacturing equipment. Now ETG plans another seminar series in Bangalore, Mumbai, Pune, Chennai and Ahmedabad on November 1-5, which will focus on end users/OEMs. The agenda will cover an EtherCAT technology introduction as well as use cases and will exemplify the benefits of EtherCAT from an application point of view. These seminars are the ideal events to introduce your EtherCAT products to the Indian market.

Don't miss this excellent opportunity to promote your EtherCAT products in India: sign up for sponsoring these seminars and present your products at the accompanying tabletop exhibition. Profit from the positive impact of the ETG internal seminar series and support the second one which focuses on your customers! Please find a special website with all details:

→ www.ethercat.org/india2009/

Conformance Test Policy: Principles and FAQs

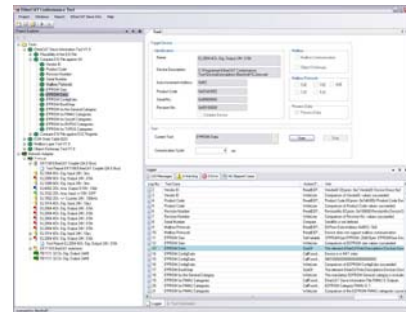
Conformance and Interoperability are most important for the success of a communication technology. Therefore ETG takes these topics very seriously.

The EtherCAT Conformance Test Policy was introduced at several Technical Committee Meetings and accepted unanimously at last years ETG Membership Assembly. However, the daily communication with ETG members suggests that there are still some misconceptions and that the policy and its impact on device vendors and users is not well known yet. Therefore first the test principles:

- The Conformance Test Tool is licensed on a subscription basis, in order to ensure long term availability of resources for maintenance, support and enhancements.
- EtherCAT device vendors have to maintain a valid subscription of the tool.
- The Test Tool can and should be used for in-house Conformance Testing.
- The Work Group Conformance develops and maintains the test cases and the test specification. The Work Group continuously improves the test specification with the goal of complete coverage of the EtherCAT Specifications.
- The ETG approves official EtherCAT Test Centers (ETC).
- The ETCs perform the official EtherCAT Conformance Test.
- ETG issues conformance certificate if the EtherCAT Conformance Test is passed successfully at the ETC.
- Even though each and every EtherCAT vendor is encouraged to provide products for the official EtherCAT conformance test, it is not intended to force the vendors to submit their devices for this test.
- However, end users may require certificates and thus official EtherCAT conformance testing from their suppliers.
- Vendors submitting devices for ETC Conformance Testing have

to have and use a valid EtherCAT Vendor ID.

- ETC Conformance Test results are confidential, however ETG may publish a list of devices that have passed the ETC Conformance Test.



Conformance Test Tool Screenshot

These **Frequently Asked Questions** may also help to better understand the process:

- *I am an EtherCAT device vendor. Do I have to license the conformance test tool?* Yes. The ETG takes conformance very seriously, and the availability of the conformance test tool at each and every device vendors R&D lab is an important cornerstone in this process.
- *Where do I get the conformance test tool?* The test cases (xml) are maintained by the ETG WG Conformance Test and are available free of charge from ETG. The tool itself was developed and is maintained by Beckhoff and is available through the Beckhoff sales channel. ETG does not sell anything.
- *Do I have to submit my EtherCAT device to the EtherCAT Test Center for testing?* No. Conformance Testing with the Test Tool "at home" is sufficient to meet the minimum requirements of the Vendor ID agreement. However, your customer may ask for a conformance certificate...
- *Can I get a Conformance Certificate based on the test results obtained in my R&D lab?* No. The Conformance Certificate can only be issued after successfully passing the test at an accredited EtherCAT Test Center.
- *Does the test in the EtherCAT Test Center exceed the test done with the Conformance Test Tool (at home)?* Yes. The test in the EtherCAT Test Center also includes an interoperability test, checking for conformance regarding the indicator and labeling spec, the marking rules etc.
- *How much is charged for the EtherCAT Conformance Test at the EtherCAT Test Center (ETC)?* Please contact the ETC for pricing information – pricing is not within the scope of ETG.
- *Does the certificate expire?* No. The certificate confirms that a device of a certain release has passed the current test version in the EtherCAT Test Center. Of course the Certificate can neither confirm that all future releases of the device will also pass, nor that the current device release will pass all future enhancements of the EtherCAT Conformance Test.
- *Do I have to submit my device again once I released a newer version?* No. However, according to the Vendor ID agreement, you will have to test future releases of your product against the conformance test tool in your R&D lab. Of course you may also submit your device again to the EtherCAT Test Center and obtain a new certificate!
- *Where do I find further information?* Please check out the EtherCAT Conformance Guide at the ETG website:

→ <http://www.ethercat.org/download/conformance/default.asp>

EtherCAT Vendor ID: General Rules and FAQs

The EtherCAT Vendor ID Usage is governed by the ETG Vendor ID Policy and the corresponding Vendor ID agreement, which asks for conformance with the EtherCAT specifications. In order to clarify this policy, the general rules are repeated below:

- Each vendor of an EtherCAT device has to be an ETG member and has to obtain and maintain a Vendor ID from the EtherCAT Technology Group.
- The Vendor ID is free of charge.
- The vendor has to implement the Vendor ID in each EtherCAT device prior to making it available on the market.
- Manufacturers of machines, which integrate and use EtherCAT devices in combination with or in such machines, are not required to apply for and use a Vendor ID.

The most important **Frequently Asked Questions** are also answered here:

- *What is the EtherCAT Vendor ID?* The EtherCAT Vendor ID is a unique vendor identification number uniquely assigned by the EtherCAT Technology Group. Together with the product code it is contained in the Identity Object of the EtherCAT device.
- *Our sister/partner company has an EtherCAT Vendor ID; may we use that for our devices as well?* No. Each vendor of an EtherCAT device has to use its own Vendor ID
- *We are using an interface board from a technology provider to add EtherCAT connectivity to our device. May we use the Vendor ID of that technology provider for our device, too?* No. The technology provider is supposed to ship his communication device with a secondary Vendor ID, you are supposed to replace it by your own Vendor ID, so that the device can be recognized in the network as yours.
- *What is a secondary Vendor ID?* This is a Vendor ID derived from the original Vendor ID that allows one to identify the original vendor of a communication interface device but which is invalid in the context of conformance testing.
- *We have a CANopen™ Vendor ID; can we use that for our EtherCAT device?* For your EtherCAT device you need an EtherCAT Vendor ID. However, in your EtherCAT Vendor ID application you may ask to get the same number; if it is still available ETG will assign it for your EtherCAT Vendor ID, too.
- *How do we apply for our Vendor ID?* Simply go to the member section of the EtherCAT website:
→ www.ethercat.org/memberarea/vendor_id.asp

The EtherCAT Vendor ID Policy can be found here:
→ www.ethercat.org/MemberArea/Download/PDF/ETG_Vendor_ID_Policy.pdf

EtherCAT Website: Miscellaneous Updates

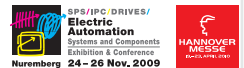
For better usability the ETG updated the website in several areas. Product news as well as the news preview have been added on the front page. The member roster has been restructured as well. A video highlighting the EtherCAT functional principle is also available. Please see new multimedia content here:



→ www.ethercat.org/en/technology.html

Call for Participation: Enhancement of EtherCAT Master-Demonstrator and Drive-Presenter @ ETG Joint Booth

The strong trade show appearance of EtherCAT is a key factor for the success of EtherCAT products as well as for the technology itself. Thus the ETG wants to enhance the Master Demonstrator with additional devices and the Drive Presenter with additional drives for the following two trade shows:



- **SPS/IPC/DRIVES 2009** (Nuremberg, Germany, Nov 24-26)
- **Hannover Messe (HMI) 2010** (Hanover, Germany, Apr 19-23)

If you have an EtherCAT master or drive available or coming up, don't miss this excellent opportunity to promote your EtherCAT device to the large number of visitors of these tradeshow at this impressive demonstrators!

Please find more information here about these offers:
→ www.ethercat.org/MemberArea/Download/PDF/MasterDemo_Offer_2009.pdf
→ www.ethercat.org/MemberArea/Download/PDF/SlavePresent_er_Offer_2009.pdf

EtherCAT Specification Enhancement Process defined

Together with the Conformance Test Policy the Membership Assembly also introduced the Technical Advisory Board (TAB). The TAB assists the Board of Directors and reviews and releases technical specifications. At the spring Technical Committee (TC) meeting, a formal EtherCAT Specification Enhancement Process was introduced and accepted unanimously. Any ETG committee may request an extension or correction which is then reviewed by the TAB. Before the release of the new spec there is also a review period for all ETG members. The review period is announced in the news section of the ETG website member area:
→ www.ethercat.org/MemberArea
Further details can be found in the TC proceedings here:
→ www.ethercat.org/MemberArea/tc_2009_spring.asp

The TC recommends in general to study the TC proceedings, since they contain a lot of valuable information about the EtherCAT technology. They can be found in the download section of the member area on the EtherCAT website.

Technical Committee establishes new Working Groups

The Technical Committee (TC) established several Working Groups (WG) at the Spring Meeting 2009. These Working Groups have the goal to enhance the EtherCAT Technology and to improve the conformity. The TC asks the ETG members to join the Working Groups and send experts for an active work within these groups. The following Working Groups have been established:

- WG Device/Network Description
- WG EtherCAT Automation Protocol
- WG Conformance Test
- WG CiA402 DriveProfile
- WG Master Classes
- WG FDT/DTM
- WG Safety

More details about these Working Groups can be found here:
→ www.ethercat.org/memberarea/working_groups.asp

Welcome new ETG Members

Since the last news mail, the following members joined the ETG:

- Regatron
- Tokyo Electron Kyushu
- MEFI
- Institut für Steuerungstechnik der Werkzeugmaschinen und Fertigungseinrichtungen (ISW) Universität Stuttgart
- Industrial Technology Research Institute (ITRI)
- LINTEC
- CKD ELEKTROTECHNIKA
- Shenzhen Hongjiejue Automation System
- AUTOPOWER
- ESAB-ATAS
- Molex
- TEBO
- 3T
- Metso Automation
- SBS Bühnentechnik
- JMI ELECTRIC
- Think Free
- High Technical School of Industrial Engineering E.T.S.I.I. University of Vigo
- SILICA, Avnet EMG
- Nuova Fima
- SASCO, A Division of Arrow
- ADDI-DATA
- School of Automation Engineering University of Electronic Science and Technology of China
- A-KUNG Motion
- Pointware Automatisering
- Shanghai Jeseec Auto System
- Gailogic
- Tecnos G.A.
- i-PULSE
- Shenzhen Inovance Technology
- RKC INSTRUMENT
- Beijer Electronics Products
- DMD COMPUTERS
- LAM Technologies
- Department of Computer Engineering Faculty of Mechanical Engineering and Computer Science, Czestochowa University of Technology
- ICT Software Engineering
- MKT Systemtechnik
- EICAS Automazione
- Shanghai Huatai Digital Control
- Vendée Concept
- Raute
- Toshiba Schneider Inverter
- Barrett Technology
- RMIT (Royal Melbourne Institute of Technology) University
- AVAL NAGASAKI
- ASTEM RI, Advanced Software Technology & Mechatronics Research Institute of Kyoto
- Laetus
- Xentech Solutions
- DESY Deutsches Elektronen-Synchrotron
- ULMA Packaging
- N.A.T.
- Gefran
- Universität Kassel, Fachgebiet für Rechnerarchitektur und Systemprogrammierung
- Pneumax
- Scansonic MI
- Liebherr-Aerospace Toulouse
- JOT Automation
- Buxbaum Automation
- EMO Systems
- Lam Research
- TESS
- Grundfos Management
- Institute of Intelligent Machines, Chinese Academy of Sciences
- Solmatic
- ADTEK System Science
- Rapid Controls
- SUS
- halstrup-walcher
- EuroSoft
- Multivac Sepp Haggenmüller
- DEIF
- Müller Industrie-Elektronik
- Shanghai DGE
- ProSoft Technology
- Infineon Technologies
- SYCO
- Panasonic Electric Works
- TERRATEL
- Ingenieur Büro Linsenbarth
- Intec
- Kinetic Engineering Design
- AGIE
- Hochschule für Technik und Wirtschaft Berlin, Fachbereich 1 Ingenieurwissenschaften I
- ENKHO
- Promess
- VAMP
- Bernecker + Rainer Industrie-Elektronik (B&R)
- Vacon
- AMS Research
- BOSER Technology
- Inatech
- Vanderlande Industries
- Cubic Transportation Systems
- igm Robotersysteme
- IAI
- Ingenieurbüro Dr. Wüste
- Network-based Systems Laboratory Pusan National University
- CSPP-LIM Politecnico di Torino
- ROPEX Industrie-Elektronik
- Genomics Institute of the Novartis Research Foundation
- Trio Motion Technology
- OLYMPUS
- nxtControl
- Porsche
- ORIENTAL MOTOR
- Shenyang Machine Tool(Group) Design Institute
- E2M Technologies
- RyuSyio Industrial
- Beijing Hollysys Electric Technology
- Si14
- AREVA T&D Systems
- Buhler
- Foxnum Technology
- JT3
- E.P.M
- Accurate Technologies
- School of Mechanical, Electronic and Control Engineering Beijing Jiaotong University
- KNESTEL Technologie & Elektronik
- CANway technology
- Catix
- Power Machines
- DOD Technologies
- Triveneta Engineering
- Bosch Rexroth
- Lazer Safe
- Berner & Mattner Systemtechnik
- maxon precision motors
- Industrial Control Communications
- DENSO WAVE
- Haeusler
- Department of Advanced Technology of Electric Power System, Institute of Electrical Engineering, Chinese Academy of Sciences
- innotec
- Teknic
- Robo-Technology
- Automation W+R
- KTS
- ALTAIR Robotic Lab, Department of Computer Science, University of Verona
- PERITEC
- MKS Tenta Products
- Wilzur
- I.C.S. Industrielle Automatisierungssysteme
- M-System
- Tata Elxsi
- Sunshine Kinetics Technology
- Parker Hannifin - EME
- Korea Institute of Industrial Technology (KITECH)
- ACUTRONIC Switzerland
- Simatex
- Moog in the Netherlands
- Nucon
- DICS Intertrade
- Leetro Automation
- BONFIGLIOLI VECTRON
- ITM (Intelligent Technology and Machine Laboratory), BUAA (Beijing University of Aeronautics and Astronautics)
- TelePro
- Omron Europe
- Realizer
- Soft Service
- Camille Bauer
- American Superconductor (AMSC)
- Shinwa Controls
- ROTRONICS
- GE Global Research - Europe
- Agfa Dotrix
- esitron-electronic
- Fullmo
- Hochschule Deggendorf
- Tiab
- Avnet Electronics Marketing
- NISSIN SYSTEMS
- Intelligent Actuators Systems Singapore (IASS)
- Texas Instruments
- LDK Solar
- Edwards
- AVAL DATA
- bruggmann engineering
- Progressive Controls & Automation
- MuTracx
- habemus! Electronic + Transfer
- National Chung Cheng University
- SimLab
- ZINSER Schweißtechnik
- LNC Technology
- FAS Technology (FASTECH)
- A&C Institute of Shenyang University of Technology
- Moog Inc.
- BBH Products
- Interroll Trommelmotoren
- Fuji Electric Systems
- Nystrom Engineering
- TigerStop
- CellSystems
- JVL Industri Elektronik
- Phoenix Contact
- Switched Reluctance Drives
- SR Drives Manufacturing
- ZBE
- LuK
- EVG

We welcome the new members and thank you for joining forces to promote and advance the EtherCAT technology! As of today, the ETG has **1115** member companies from 47 countries:

→ www.ethercat.org/en/members.php

REPORTS

EtherCAT Seminar Series in North America

The North American office of ETG, in support of its local ETG members, presented overall 18 "Introduction into EtherCAT" seminars throughout much of the U.S. in 2008 and 2009. The seminars were aimed at those individuals not familiar with EtherCAT (or Ethernet), with a focus on the fundamentals of how EtherCAT works, what sets it apart from its competition, and what features make it desirable for implementation in many applications. The series has resulted in much positive feedback, with requests for additional seminars will be added to the 2010 calendar soon.



ETG Marketing Committee

The ETG Marketing Committee typically meets 3 times a year in order to co-ordinate EtherCAT promotional activities worldwide. The committee, chaired by Michael Strauss (SEW-EURODRIVE) discusses the EtherCAT marketing strategy and decides about trade show participations, road shows and other EtherCAT events. At the last meeting, held in Nuremberg in April this year, the committee received a report from Beryl Fan, ETG representative China. The next meeting will take place in Berlin, Germany, on October 15th, 2009

ETG Marketing Meeting Japan

In March the first Marketing Meeting Japan took place at the ETG Office Japan. 25 companies joined the meeting in order to coordinate EtherCAT promotional activities in Japan. In November, ETG will have a booth at the System Control Fair in Tokyo, which is the most important trade show for industrial automation in Japan.

7th European EtherCAT Plug Fest March 2009

The 7th European EtherCAT Plug Fest in March this year was hosted by SEW-EURODRIVE in Garbsen, Germany. 7 Master vendors tested their EtherCAT implementations against the slave product variety of 20 different slave device vendors. The Plug Fests have established themselves as pragmatic and effective contribution to achieve interoperable EtherCAT products and also as a valuable developer forum where technology questions can be discussed. The 8th European EtherCAT Plug Fest will be held at STOEBER Antriebstechnik in Pforzheim, Germany on October 1-2, 2009. Please find more information on the last page of this newsletter within „UPCOMING EVENTS“.



ETG Member Meeting Japan

With 123 participants the annual ETG member meeting Japan on July 7th again reflected the enormous interest of the Japanese automation industry in EtherCAT. The representatives of the Japanese ETG members got updated on ETG activities and EtherCAT technology news. Very well received was the announcement of the translation of the EtherCAT specifications into Japanese Language. Several EtherCAT application presentations from Japan and also an overview of EtherCAT applications worldwide were shown as well. Furthermore, details regarding the important topic conformance and interoperability were introduced.



At the meeting, the formation of the **ETG Task Force Japan** was announced: all ETG members who want to take an active role in EtherCAT promotion in Japan are invited to join. The task force members are expected to contribute with ideas, man power and also with financial resources. As of today, Omron, Hitachi IES, Fuji Electric Systems, Sanyo Denki, K.MECS + Soft Servo Systems have joined.

The slides of the ETG Japan Member Meeting can be found here:
→ www.ethercat.org/en/publications.html#ETG_Events

Industrial Ethernet Seminar Series India for ETG members

Although aimed at ETG member companies only, the recent seminar series was very well received: more than 150 registered attendants mark India's interest in the EtherCAT Technology. The seminars in New Delhi, Bangalore and Pune covered a detailed technology introduction as well as an EtherCAT application overview. In India, EtherCAT is already used in a large variety of applications such as packaging machines, automotive test beds, wind turbines and semiconductor manufacturing equipment. ETG will hold another seminar series in India in October, this time focusing on end users. Find more information about this event within "HOT TOPICS" on page 2 of this newsletter.



First Free "Safety over EtherCAT" Seminar for ETG members

The EtherCAT Technology Group organized the first "Safety over EtherCAT" seminar in Raunheim, Germany, on March 17th, 2009. Decision makers, product manager as well as R&D engineers who are involved in their companies safety product strategy attended this seminar. It was a comprehensive overview about today's requirements for safety machine architectures with the focus on safety communication with the Safety over EtherCAT protocol. The participants got a basis for the strategy of their machine or device implementation. Safety over EtherCAT is a safety communication protocol used within the EtherCAT Technology. Several companies already use this technology or offer products. The next Safety over EtherCAT Seminar will take place in Raunheim, Germany (near Frankfurt Airport) on September 29, 2009 - the day before the Technical Committee Meeting.



REPORTS

EtherCAT at Hannover Fair 2009



The joint EtherCAT booth at Hannover Fair 2009 was a successful one. Contrary to the worldwide economic crisis we had more visitors than in the last four years.

The updated booth concept from the SPS/IPC/DRIVES show, emphasizing not only the EtherCAT products, but also the unique selling points of the technology, was well received again. The large product variety on display as well



as the various multi vendor demos have clearly helped to further establish EtherCAT as a leading Industrial Ethernet technology, and thus to facilitate and leverage our members EtherCAT product sales.

EtherCAT in Measurement Systems

Encountered by many as the upcoming de facto standard for measurement systems, EtherCAT is quickly expanding in this industry, too. The decision of BMW, Volvo, Airbus and others for EtherCAT in test stand applications has further boosted the acceptance among the test and measurement suppliers. Consequently ETG exhibited at the Sensor & Test Exhibition in Nuremberg, Germany in May. Besides generic EtherCAT Technology displays and demonstrators also EtherCAT based measurement systems by HBM, imc Messsysteme, National Instruments, Stiegele Datensysteme, and Vector Informatik were shown.



ETG Info Booth @ International Tradeshows

Since the last newsletter the ETG participated in the following international tradeshows:

- **embedded world**, Nuremberg (Germany)
→ www.embedded-world.de/en
- **CHIFA**, Guangzhou (China)
→ www.chifa.com.cn
- **Sensor+Test**, Nuremberg (Germany)
→ www.sensor-test.de
- **SEMICON West**, San Francisco, (USA)
→ www.semiconwest.org



MISCELLANEOUS

Working Group Conformance

The last meeting of the WG Conformance was held at the ETG headquarters in Nuremberg, Germany. Main topics were CiA402 drive profile tests for EtherCAT drives, enhancements and corrections in test files, and the Conformance Test Record used for official EtherCAT Conformance Test.

Please find the results of the meeting here:

→ www.ethercat.org/memberarea/wg_conformance.asp

Conformance Documents published and enhanced

The updated **Conformance Guide** covers the most important topics about conformance and interoperability, e.g. essential other documents, explanatory notes and how to obtain the test tool or get an EtherCAT device conformance tested.

The **Conformance Test Request** is the form needed to request a Conformance Test for EtherCAT Slave Devices.

The new **Conformance Test Record** is a set of test instructions for the performance of the EtherCAT Conformance Test and documentation of it at the same time. The ZIP file includes a help file for the Conformance Test Tool (CTT), too. The EtherCAT Test Centers (ETCs) perform the official EtherCAT Conformance Test according to those instructions. EtherCAT device vendors should use the Test Record for preparation of the official test.

Please find more information about conformance and all documents available for download here:

→ www.ethercat.org/en/conformance.html

EtherCAT Product Guide updated: Add your product, too!

The updated EtherCAT Product Guide now contains more than 200 product pages featuring over 500 EtherCAT products. Please inform yourself about the great variety of EtherCAT products either already available or coming up.



→ www.ethercat.org/en/products.html

The product guide, however, does not include all EtherCAT products available or announced worldwide, since the corresponding information has to be provided actively from the vendor to the ETG headquarters. Even though we are aware of 45 different servo drive manufacturers that have shown, shipped or announced EtherCAT drives, only 19 have entered their products so far.

Add your product today - for free! This is a great chance to show your EtherCAT product, service or expertise to interested visitors of the EtherCAT website.

Please read how to add your product:

→ www.ethercat.org/memberarea/download/pdf/ETG_Product_Guide_Rules.pdf

EtherCAT Indicator and Labeling Specification updated

Following the formal review period, the Technical Advisory Board (TAB) has released an updated version (V1.01) of the EtherCAT Indicator and Labeling Specification. Only devices that meet this specification can pass the EtherCAT Conformance Test. The specification can be found here:

→ www.ethercat.org/MemberArea/download_spec_ind.asp

UPCOMING EVENTS



Next Tradeshows

Visit us at the next tradeshows in your region, see EtherCAT application examples and meet EtherCAT experts:

- **hi[09]**, Herning, Denmark, Sept 1-4:
EtherCAT @ Industrial Bussystems Pavillion
→ www.hi-industri.dk/gb/ 
- **Automaatio 09**, Helsinki, Finland, Sept 23-25:
ETG Info Booth
→ www.finnexpo.fi/automaatio/?code_language=en 
- **IAS - Industrial Automation Show 2009**, Shanghai, China, Nov 3-7: ETG Info Booth
→ www.industrial-automation-show.com 
- **SPS/IPC/Drives 2009**, Nuremberg, Germany, Nov 24-26: ETG Joint Booth
→ www.mesago.de/en/SPS/main.htm 
- **SCF - System Control Fair 2009**, Tokyo, Japan, Nov 25-28: ETG Info Booth
→ scf.jp/_english 



1st North American EtherCAT Plug Fest: September 2/3, 2009

The **first EtherCAT Plug Fest in North America** will take place September 2nd and 3rd in Austin, Texas, at facilities provided by ETG member company National Instruments.



Industrial Ethernet Seminar Series Taiwan 2009

The ETG offers Industrial Ethernet Seminars taking place in Tainan, Taichung and Taipei on **September 15/17/18, 2009**. Please find the invitation including agenda and details here:
→ www.ethercat.org/taiwan2009



8th European EtherCAT Plug Fest: October 1/2, 2009

The **8th European EtherCAT Plug Fest** will be held at STOEBER Antriebstechnik in Pforzheim, Germany on **October 1-2, 2009**. We invite and encourage all manufacturers of EtherCAT devices, code and tools to participate. The goal of this developers event is to perform interoperability tests, implementations according to the new CiA402 OD Conformance Tests. Also, devices supporting the Modular Device Profile will be part of the setup. The invitation including further information and registration form can be found in the event section of the ETG homepage.
→ www.ethercat.org/en/events.php



Industrial Ethernet Seminar Series India 2009

The ETG offers Industrial Ethernet Seminars taking place in Ahmedabad, Bangalore, Chennai, Pune and Mumbai on **November 1-5, 2009**. Please also note the call for sponsors on page 2 and find the invitation including agenda and further details here:
→ www.ethercat.org/india2009



Working Group EtherCAT Automation Protocol on September 8th, 2009

If you are interested to join the group and contribute to the work, please visit:
→ www.ethercat.org/memberarea/working_groups.asp



Next Seminars/Workshops: Technical Training Class, Safety over EtherCAT in September 2009

One day before the Technical Committee Meeting, an **EtherCAT Technical Training Class** is held on **September 29th, 2009** in Raunheim at the Mercure Hotel Wings Frankfurt Airport. The seminars are free of charge (only the room costs will be shared) and will be accompanied by a **Safety over EtherCAT Seminar**. A separate invitation will follow soon.
→ www.ethercat.org/en/events.php



ETG Membership Assembly 2009

The ETG Membership Assembly will take place in conjunction with the SPS/IPC/Drives show in Nuremberg on **November 24, 2009**. A separate invitation will be sent to the member representatives in time.

Please check out the events section of the EtherCAT homepage for further events: → www.ethercat.org/en/events.php



ETG Technical Committee Fall Meeting

The next **Technical Committee Fall Meeting** will take place on **September 30th, 2009** in Raunheim at the Mercure Hotel Wings Frankfurt Airport. A separate invitation will follow within the next days.