



FROM THE NEW EDITOR

Dear Reader, welcome to the 25th edition of the FFEUC Aust newsletter.

I can remember reading an axiom not to long ago that went like this "The only way to be certain about the future, is to create it". Well, it would seem that the Fieldbus fraternity have done exactly that! Voting bodies have agreed unanimously to adopt IEC 61804-3 as an international standard (see 'new applications and updates' in this newsletter). The first phase of this document relates to Enhanced EDDL's (Electronic Device Description Language). The EDDL's (that's a mouthful, E²D²L is even worse!) will provide a common look and feel representation, regardless of the Host. This step further cements the interoperable nature of Ff systems.

Well, I will 'zip it' now so that you can get down to the important part of the newsletter! If you have any comments or opinions, we would appreciate hearing from you.

Email: <mailto:kelvin@fieldbus.org.au>

Editor

FROM THE CHAIR

Hi FFEUC-Aus Members, This has been a pretty active past three months for me, catching up after a vacation in the UK made it more so. Locally a good deal has been happening on the FF front especially in regards to the take up of the technology on new projects. It is exciting to see that BHP Ravensthorpe and also Alcan Gove are both in their commissioning stages and will no doubt have some "lessons learnt" to share with us early next year.

Talking about next year we are well into the preparation for Jump Aboard 2007 which is scheduled for Melbourne (subject to our sponsorship dollars) and Perth during the week of March 21st to 23rd. We have already nine speakers confirmed and of those five are end users so at long last we are seeing the fruits of our endeavours and maturing into a true end user organisation. To date we have four sponsors in ABB (Gold) along with Emerson Process Management, MTL and Geographe Energy as silver sponsors and we thank these organisations for their support, without them we could not do as much for our members. If your organisation is interested further silver sponsorships are available, please contact me for details. Don't forget that any so called "profit" is ploughed straight back into in effect to benefiting you our members as we are a non-profit organisation. Our next move is to confirm a venue and have our first organising committee meeting this week. I must admit that I am very upbeat in regards to potential attendees as this Jump Aboard will for the first time have a mixture of mining and oil and gas presenters.

Another positive is that at last we are getting some true end users along to our bi-monthly committee meetings, we would like to see more and stress that all you need to do is spend an early morning hour with us from 7:00am to 8:00am, you will not be pushed into other committee activities.

Thanks again to Kelvin for putting together this newsletter and doing such a good job.

Hopefully we will see you all at the next event and AGM in November.

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Technical Meeting

On the meeting front the last technical evening by Allen Tighe, Kevin Barnes and Colin Yates was a real ripper and included some super end user tips in terms of the non embedded and embedded H1 and HSE tools available today. We had a turn out of around 30 and for a cold wet evening which was pretty good.

Allen showed a working demonstration using our training kit and Relcom Tools including the FBT6, along with the NI monitor, Emerson EPM375 and Fluke scope. Kevin and Colin described their respective organisation's embedded tools. All in all the combined technical data was extremely well received by those present. By the end of the evening I think that everyone appreciated Allen's opening comment about the importance of understanding and utilising these tools. Well done and thanks to all for their contribution.



The attentive audience at the Foundation Fieldbus Tools Technical Evening.

Your Committee Members

Need to contact us?

Follow the link for the latest EUC contacts page: - <http://www.fieldbus.org.au/contacts/EUCAcmte.htm>

Are you a Fieldbus End user? Have you implemented Ff solutions? Would you like to join the committee and assist others in achieving the kind of success that you have realised? With as little as 1 hour every two months, you could be of great assistance in driving Australian process plants into the digital world. If so, we would like to hear from you. Please click the above link and e-mail any of the current committee members.

Foundation Fieldbus Training

The Foundation Fieldbus (FF) End User Council Aus Inc in conjunction with the Southern Alberta Institute of Technology (SAIT) is offering FF Training courses this September 2006 in Australia.

Certified **Fieldbus Foundation** Training Courses

Essentials (1-day theory) Please see <http://www.fieldbus.org.au/training/esls-crs.htm>

- **Melbourne** - Tuesday 19th September

Configuration (1-day practical). Please see <http://www.fieldbus.org.au/training/cfgn-crs.htm>

- **Perth** - Wednesday 13th September
- **Melbourne** - Thursday 21st September

The FFEUC recommends that attendees complete the Essentials course prior to the Configuration course. These courses together with the instructors are fully certified by SAIT and the Fieldbus Foundation in Austin TX.

For more information please see the link below or contact Allen Tighe via phone or email as detailed below :-

<http://www.fieldbus.org.au/training/>

FF-EUC Aus (08) 6262-9365

Please note - seats are limited.

Foundation Fieldbus good news stories

Digital automation of Scandinavia 's largest oil-fired power plant.

http://emersonprocess-powerwater.com/news/pr/EON_Karlshamn.htm

Digital automation of We Energies' New 1,230-MW Coal-Fired, Supercritical Plant

http://www.emersonprocess-powerwater.com/news/pr/WeEnergies_ElmRoad_NewPlant.asp

Digital automation of Total's Akpo FPSO (Floating, Production, Storage and Offloading) vessel enables fast production startup of the Akpo oil field.

http://www.emersonprocess.com/home/news/pr/608_akpo.html

\$7.4M contract to supply digital control valves for the world's largest olefin plant in Taiwan

http://www.emersonprocess.com/home/news/pr/607_formosa.html

Emerson and Siemens to enhance offerings enabling both companies to expand support of global standards by interfacing Fieldbus & Profibus systems

http://www.emersonprocess.com/home/news/pr/607_interfaces.html

Addition of EDDL enhancements to smart field devices

http://www.emersonprocess.com/home/news/pr/606_eddl.html

If you are aware of any further Foundation Fieldbus Good News Stories please contact the editor

<mailto:kelvin@fieldbus.org.au>

Foundation Fieldbus New Applications and Updates

The national committees have voted by 100% in favour of the new IEC specification (IEC 61804-3) and it will be published as international standard. Phase 1 defines fully upward compatible enhancements on the existing EDDL including new capabilities such as graphs, charts and images, the possibilities for archive data and an EDD guideline for user interfaces. Phase 1 enhancements will be supported by major system suppliers such as Emerson, Honeywell, Invensys, and Siemens.

The Enhanced Electronic Device Description Language (EEDDL) as presented by the Fieldbus Foundation Marketing Society (Singapore) can be downloaded here:-

<http://www.fieldbus.org.sg/files/2006-04-workshop/2-EDDL.pdf#search=%22IEC%2061804-3'%22>

Foundation Fieldbus Lessons Learnt

Great Foundation Fieldbus User Forums can be found at <http://forums.fieldbus.org> , you will have to register but it is worth it.

The ISA fieldbus forum is also a good one, go to

http://www.isa.org/scripts/lyris.pl?enter=fieldbus&text_mode=&lang=english

Do you have any lessons learnt? Please contact the editor <mailto:kelvin@fieldbus.org.au>

Foundation Fieldbus Tools

Fieldbus Monitor FBT-3 used to examine a live Fieldbus network without interfering with its operation. The Monitor is intended for commissioning and for maintenance personnel to verify network operation or to troubleshoot an errant network.

<http://www.relcominc.com/fieldbus/fbt-3.htm>

Fieldbus Wiring Validator FBT-5- Fieldbus wiring can be tested using the FBT-5 Wiring Validator. It puts a DC voltage and Fieldbus signals on the wire pair.

<http://www.relcominc.com/fieldbus/fbt-5.htm>

Fieldbus Power and Signal Probe FBT-4 uses LEDs to let you know if your bus has DC power with correct polarity and whether data traffic is present. Simply probe the network and know immediately if the bus is able to support a field device at that point.

Bus-powered and will not interfere with an operating network.

<http://www.relcominc.com/fieldbus/fbt-4.htm>

If you are involved in the design of Fieldbus networks, then you may be interested in Segment Checker.

www.segmentchecker.com

Configuration tools for initial setup, daily maintenance, troubleshooting and configuration backup.

<http://www.yokogawa.com/fld/software/fld-fieldmate-01en.htm>

General Foundation Fieldbus News

Get the latest edition of Fieldbus Facts online at <http://www.manufacturing.net/ctl/article/CA6343153.html>



The Fieldbus Foundation has announced its support for an ISA committee creating a harmonized version of the International Electrotechnical Commission (IEC) 61804-3 international standard on Electronic Device Description Language (EDDL). http://www.fieldbus.org/News/default.asp?news_x_language_id=677

The Fieldbus Foundation has announced the release of its enhanced H1 Interoperability Test Kit (ITK) 5.0 version.

The Fieldbus Foundation has announced the release of its High Speed Ethernet (HSE) Conformance Test Kit 2.0. The new test kit version provides enhanced capabilities for development and testing of FOUNDATION™ Class 42c HSE field and linking devices. http://www.fieldbus.org/News/default.asp?news_x_language_id=701

FFEUC-Aus Event Calender

TECHNICAL MEETINGS PROGRAM- PLEASE SCHEDULE IN YOUR DIARY.

(All Events will be held 5:00-7:00pm at the Emerald Hotel – Mount Street, Perth unless specifically advised)

8th NOVEMBER

The TRUTH about HART and Fieldbus

+

AGM

Foundation Fieldbus Resources

For the latest information on all FFEUC-Aus Inc activities and some great Foundation fieldbus technical data please visit our website <http://www.fieldbus.org.au>

Look under Technical notes, review previous papers since 2001, discussion topics and links to IEAust, ICEweb & ICEpros, the IICA, ISA & the FFEUC, Check out the new training kits & course time tables. (Training)

A huge listing of Foundation Fieldbus technical resources can be found at <http://www.iceweb.com.au/Instrument/fieldbus.htm>



DID YOU KNOW...that if you experience difficulties in configuring your registered fieldbus device, you can also visit our Registered Products Page for specific information regarding your device?

<http://www.fieldbus.org/ProductsAndServices/RegisteredProducts>

Download device descriptions – <http://www.fieldbus.org>

Learn fieldbus and Ethernet at your own pace: <http://www.isa.org/fieldbuses>

Learn OPC and automation software at your own pace: <http://www.isa.org/autosoftware>

Lots of good information can be found in the Fieldbus Report (a large download but worth a look) - <http://www.fieldbus.org/email/aprilsupreport.pdf>

Application Guides

31.25 kbit/s Intrinsic Safe Systems
<http://www.fieldbus.org/pdf/ag-163s.pdf>



PLEASE NOTE: If you know someone, who might be interested in receiving Fieldbus Facts, via e-mail please send them this link: <http://www.manufacturing.net/ctl/subscribe.asp>

Whilst every effort is made to ensure technical accuracy of the information in this newsletter, the Fieldbus Foundation End Users Council Australia Inc accepts no liability for any loss or damage caused by error or omission from the data supplied. Users should make and rely on their own independent inquiries.

By accessing the newsletter users accept this condition.

Should you note any error/omission or an article offends please do not ignore it, contact- [mailto: kelvin@fieldbus.org.au](mailto:kelvin@fieldbus.org.au) and we will review, rectify and remove as necessary.

Finally should you wish to be removed from the mailing list, please send an email to <mailto:jim@fieldbus.org.au> with the subject header "PLEASE REMOVE FROM FFEUC EMAIL"