



FROM THE EDITOR

Dear Reader, welcome to the 26th edition of the FFEUC Aust newsletter.

So, it's downhill from here to your annual huh? The only reason I know it is downhill is that everything is gathering speed while battle weary colleagues are trying to get off so they can go on holiday! Silly season indeed!

From the End User Council perspective, we are all excitedly preparing the Jump Aboard 2007 seminar for you. This promises to be an event not to be missed! You should be receiving your flyers and registration forms via e-mail soon.

We hope you find this December edition informative. From all of us at the FFEUC, we wish you a very safe and happy festive season and a prosperous 2007!

If you have any comments or opinions, we would appreciate hearing from you.

Email: kelvin@fieldbus.org.au

Editor

FROM THE CHAIR

As we approach Christmas I guess it is time to reflect on a busy year for all of us in these "boom times". As far as the FFEUC is concerned the year has seen us consolidate our status as one of the most dynamic FF end user councils in the world.

It is great to see so many FF jobs being implemented or under consideration in Australia, this shows that the technology is at last being accepted by industry as the "path to the future".

Hopefully our technical presentations over the year helped in terms of implementing IS installations, planning and implementing FF pre-commissioning, use of Fieldbus Tools and gave you good reasons why FF is far superior to HART. Thanks again to all the presenters for the effort that they put in.

Our new committee for 2007 is now in place and it is encouraging that we are getting more true end users to come along, this year we have John Ness (Woodside), Tiong Lim (Woodside), Duncan Turner (Apache Energy) and Gordon Stevenson (Bechtel). Gordon has agreed to take up the Co-Chair role this year, assisting myself. We are always looking for additional end users on committee, after all that is what we are about, it only takes up one hour of your time (7:00 – 8:00 am) bimonthly so if you are interested please let me know.

So what is going to happen next year, well the big focus is on Jump Aboard 2007 which is scheduled for Melbourne 21st March and Perth 23rd March. This is going to be a real "classic" seminar as for the first time we have a good balance of mining and petrochemical speakers. Also it is very rewarding to see that the majority of papers are from end users, thus we are likely to see more third party contractors attending for the first time. You will be receiving the first flier for this event soon.

Our intent is to have four events over the year and these are already in the planning stage.



We are again working towards setting up an Eastern States subcommittee working out of Melbourne and are planning to kick it off at Jump Aboard in March. This is our third attempt, however with the additional interest happening there we are upbeat that this time we can make it work.

It is planned that we will issue four newsletters over the year, thanks again to Kelvin Oakes for taking on the role of editor.

The training schedule continues for the year, Allen Tighe of Seacove Systems continues to put on high quality courses and is looking to add a maintenance course as well. Depending on demand and subject to budget constraints we may look at purchasing additional training kits during the year.

I wish everyone a pleasant Christmas and a healthy, successful 2007.

Jim Russell
Chair FFEUC-Aus Inc
jimrussell@fieldbus.org.au
Phone (08) 93970249 Mobile: 040 946 6674

Email: jimrussell@iceweb.com.au

Your Committee Members

Need to contact us?

Follow the link for the latest EUC contacts page: - <http://www.fieldbus.org.au/contacts/EUCAcmtc.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 in 2007 in Australia. Dates are as follows:

Perth	Tuesday	13 / Mar / 07
Melbourne	Tuesday	20 / Mar / 07
Perth	Wednesday	04 / Jul / 07
Melbourne	Tuesday	17 / Jul / 07
Perth	Wednesday	07 / Nov / 07
Melbourne	Tuesday	09 / Oct / 07

Courses normally run from 09:00 to 16:30 - lunch and break refreshments are included with the course fee.

For more information please follow this link – <http://www.fieldbus.org.au/training/EUCtrain.htm>

The FF-EUC recommends that attendees complete the above **Essentials** theory course prior to the **Configuration** practical course which is also available through the FF-EUC.

These courses together with the instructors are fully certified by SAIT and the Fieldbus Foundation in Austin. For more information please contact Allen Tighe on **(08) 6262-9365** (please note - seats are limited).



Foundation Fieldbus good news stories

EDDL enhancements to specialized rotating machinery monitoring technology
<http://plantweb.emersonprocess.com/News/index.asp>

Are you implementing Ff on your plant? Have you got an Ff plant that you want to tell us about? If you would like to share your experience with Australia, please contact the editor.

Foundation Fieldbus New Applications and Updates

The Following links are compliments of ICEweb "Its Cool Engineering" –the World's foremost Instrument, Fire and Gas and Control technical reference site - <http://www.iceweb.com.au>

Fieldbus Acronyms - http://www.iceweb.com.au/Instrument/FF_Acronyms.xls

Fieldbus Wiring Design and Installation Guide -This is an updated document from Relcom which now includes earthing and grounding recommendations and provides a readable overview of the Fieldbus physical layer. It is a great place to get started with Foundation Fieldbus wiring and installation.
<http://www.relcominc.com/pdf/501-123%20Fieldbus%20Wiring%20Guide.pdf>

The Fieldbus Reference List - R.A. Hulsebos- If you thought there were a lot of networks that call themselves "fieldbus", look at <http://ourworld-top.cs.com/rahulsebos/index.htm> and Robs other super VERY COMPREHENSIVE links - <http://ourworld.cs.com/rahulsebos/Links.htm>

A host of additional FF information can be found at <http://www.iceweb.com.au/Instrument/fieldbus.htm>

The following technical papers are available from the Fieldbus Foundation:
http://www.fieldbus.org/index.php?option=com_content&task=view&id=150&Itemid=326

- FOUNDATION Technology: Tested. Proven. Available Today.
- NASA Integration of Fieldbus Devices into an Existing DCS_
- HSE: An Open High-Speed Solution for Plantwide Automation
- FURIOS: Fieldbus and Remote I/O System Comparison

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 well worth it.

The ISA fieldbus forum is also a good source of information, it can be found here;
http://www.isa.org/scripts/lyris.pl?enter=fieldbus&text_mode=&lang=english

Do you have any lessons learnt? The editor would like to hear from you.

Foundation Fieldbus Tools

The Fieldbus Foundation Enhances the Device Description Library

"DD Library Version 3.1 makes it easier to build DDs for new FOUNDATION™ devices"

On October 10th, 2006, the Fieldbus Foundation announced the availability of Device Description (DD) Library Version 3.1. This standardized source code library has been enhanced to make it even faster and easier for developers to build Device Descriptions (DDs) for new FOUNDATION™ instrumentation.



The DD Library contains source code for all standard FOUNDATION blocks and parameters. Suppliers only need to implement custom blocks and other manufacturer-specific additional parameters. Plus, the DD Library promotes a standardized view of field device information across manufacturers, enabling consistent configuration by users. The library is maintained to describe the most recent FOUNDATION specification. According to the Fieldbus Foundation's manager, fieldbus products, Stephen Mitschke, DD Library Version 3.1 supports the growing base of fieldbus device developers. "The Fieldbus Foundation is committed to the growth of FOUNDATION technology around the world, and our goal is to provide comprehensive tools enabling developers to expedite their time-to-market," said Mitschke. "Our DD Library makes it easier to write Device Descriptions for a wide range of field instrument applications."

The DD Library Version 3.1 offers a variety of enhancements assisting the developer community. For example, all standard parameter labels and help strings defined in Version 3.0.1 of the standard dictionary have been translated to German. The library includes new manufacturer names and IDs, and some manufacturer names have been changed based on action requests submitted for Version 3.0.1. The foundation has also added unit codes and fixed bugs in response to action requests.

For more information about DD Library Version 3.1, please e-mail info@fieldbus.org

New Foundation Fieldbus Products

Device couplers provide circuit protection for fieldbus devices
<http://www.controleng.com/article/CA6376583.html?text=fieldbus>

Fieldbus wiring hubs
<http://www.controleng.com/article/CA6376658.html?text=fieldbus>

Redundant fieldbus system, auto-switchover
<http://www.controleng.com/article/CA6386549.html?text=fieldbus>

General Foundation Fieldbus News

On my recent trip to the US for the ISA Expo in Houston I also had a chance to visit a couple of FF installations – Shell Refinery, Deer Park & Praxair Gases, Texas City. Both plants have multiple chemical trains with large FF installations & intend to continue expansion of their FF technology. An interesting point raised by both these installations & some others in the US FF community is the fact that not enough attention was paid to the physical cable installation. The main oversight was the training or qualification of sub-contractors hired to do this work. Something as simple as wiring & people still have issues here. Surprisingly most did not have issues with the technology as a good level of FF training was implemented in both the client & EPC engineering departments.

A wake call for many at the ISA Expo was the proliferation of wireless products being offered. Although many offerings were still propriety protocols it is an indication of how much interest there is in this type of connectivity. Unfortunately, the SP100 wireless standard from the ISA still does not look like being finalized till sometime in 2007. When it does become a final standard, hang on as many vendors with current propriety systems plan to support SP100 in their products.

Allen Tighe – SEACOVE Systems

FFEUC-Aus Event Calender

One of the main events coming up – JUMP ABOARD 2007 ! This is an event you will not want to miss !

Please take note of these dates;

Melbourne: Wednesday 21st March 2006

Perth: Friday 23rd March 2006

These events are ideal for Instrumentation and Control Engineers and Technicians. Papers are presented by experienced users and implementers of Ff. Come along and hear what they have to say. We look forward to seeing you there.

The subject range includes;

Alunorte Alumina Refinery FF Project
Specification / Implementation of FF
Foundation Fieldbus – Future Directions
FF in the Ravensthorpe Nickel Project
Physical Layer Diagnostics / Monitoring
Planning FF-SIS in the Process Industry
Digital Fieldbus in Mineral Processing
Maintaining Functional Value in FF
Redundant FF H1 Segments

Manufacturers will also have FF demo gear on display.

Foundation Fieldbus Resources

For the latest information on all FF-EUC 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 FF-EUC, 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>

Wiring & Installation 31.25 kbit/s, Voltage Mode, Wire Medium

<http://www.fieldbus.org/pdf/ag-140s.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>

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