DBYD LOCATOR CERTIFICATION

TERRY O’KEEFFE

QLD WATER DIRECTORATE NQ REGIONAL CONFERENCE JULY, 2016
AGENDA

• History
• Certification Development
• Endorsements
• Certification Process
• Certified Locators
• Where from here
HISTORY

- Over the past 5 years DBYD members have been raising concerns surrounding increasing damages to their assets, in many situations associated with poor locating practices.
- Following consultation with QLD Department of Employment & Training the process of developing a Certification III in locating (National Qualification) was commenced in 2012.
- The Course Development Advisory Committee was set up as required and included representatives from Energex, Staking U, Telstra, NULCA, CCF, APA Group, CMC, Sure Search.
- The Committee put together over a period of 2 years a Certification III package made up of 36 units of competency.
- As required under the legislation this was forwarded through to Skills DMC, where it failed to progress.
- Decision was made by DBYD Qld Board in consultation with Telstra to undertake a certification process that did not require Skills DMC endorsement.
A working party was formed early 2015, consisting of:
- National Utility Locating Contractors Association (NULCA)
- Staking U – Asia Pacific
- Telstra
- Staking U – USA
- JB Hunter Technologies
- CSTA – UK
- Qld Civil Contractors Federation
CERTIFICATION DEVELOPMENT PROCESS

- Working party reviewed a number of training possibilities and determined that an online training system was to be delivered by Locate Management Canada
- CCF QLD was engaged in March 2015 as Project Managers
WHAT IT MEANS TO BE A CERTIFIED LOCATOR

- It is the intention of DBYD and supported by our members and the Locating Industry that locators will have a career path to become a DBYD Certified Locator.
- Having successfully passed the DBYD assessment the locator will have formal recognition that he/she has met a standard that is endorsed by our asset owning members and will be listed on the DBYD website as a DBYD Certified Locator.
- Initially this assessment was piloted in Queensland and rolled out nationally in October 2015.
TELSTRA ENDORSEMENT

- Telstra endorses the certification as the new core national qualification component for Telstra’s Accredited Plant Locator accreditation
- DBYD Locator certification is mandatory for all Telstra accreditation requests
- Endorsement is valid for two years
- Ongoing endorsement is subject to an annual review

PROTECTING TELSTRA'S NETWORK ASSETS

Contact us before you start work to avoid costly damage to our network assets.
# TELSTRA’S ACCREDITED PLANT LOCATORS

<table>
<thead>
<tr>
<th>Name &amp; areas covered</th>
<th>*Fibre</th>
<th>Contact details</th>
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<tbody>
<tr>
<td>Auscom Qld Pty Ltd – Palmwoods</td>
<td>No</td>
<td>(07) 5445 0506 or 0413 735 623</td>
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</table>
| AUSSIE DIG – Sunshine Coast  
Noosa, Maroochy, Caloundra, Kenilworth, Gympie,  
Beerburrum, Cooroy, Maryborough, Kingaroy, Brisbane,  
Toowoomba & all surrounding areas | Yes | W: [WWW.AUSSIEDIG.COM.AU](http://WWW.AUSSIEDIG.COM.AU)  
0432 939 437  
E: luke@aussiedig.com.au |
| Aussie Hydrovac Services - Underwood | No | (07) 3287 7818 or 0408 989 770  
F: (07) 3287 7819 |
| A.U.S. Locators Pty Ltd – Mount Gravatt  
All of South East Queensland | Yes | 0408 857 024  
E: ausnell@msn.com |
| Australian Urban Utilities (A.U.U) – Loganholme  
All of South East Queensland | Yes | (07) 3287 6926 or 0488 321 000 |
| C Locate – Deagon  
South-East Queensland areas | Yes | 0437 808 444  
E: clocate@bigpond.com |
| Cardno Australian Underground Services – Acacia Ridge  
Brisbane, Ipswich, Toowoomba Region, Gold Coast, Sunshine Coast, Mackay and Northern New South Wales | Yes | (07) 3320 8540 or 1300 224 664  
0448 010 458  
E: cardnoaus@cardno.com.au |
| Collingwood Services Pty Ltd - Palmwoods  
Brisbane, Gold Coast, Sunshine Coast to Kilcoy, Yarraman, Esk, Gympie, Rainbow Beach, Fraser Island | Yes | (07) 5445 9291  
0401 033 136  
E: scollingwood@bigpond.com |
| D. C. Locators Pty Ltd – Redbank Plains  
Ipswich, Brisbane, Lockyer Valley, Logan, Beaudesert, Scenic Rim, Somerset & Southern Downs Areas. | Yes | (07) 3389 2313 or 0439 379 741  
F: (07) 3424 2370 |
| Downunder Locations - Banora Point  
South East Qld and Northern NSW - Brisbane to Ballina/Tweed | Yes | 0438 243 856  
F: (02) 6623 0702 |
OTHER ENDORSEMENTS ON CERTIFICATION

NULCA is committed to improving Locator standards across Australia and the DBYD Certification Process is a major step towards that goal.

NULCA is proud to give its full support to the DBYD locator process.

The Insurance Council of Australia “in essence” (their words) supports the DBYD Locator Assessment

Optus is the latest member to fully endorse the certification
THE CERTIFICATION PROCESS

1. Self-Assessment
   - Checklist to ensure student is ready for assessment and understands the assessment criteria
   - Once complete the student can enrol and make payment ($795)

2. Theory Assessment
   - 60 multiple choice questions in 3 sections: Plan & prepare for locating (15); Locating techniques (35); Telstra (10)
   - 95% required to pass; 2 attempts available

3. Practical Assessment
   - Conducted by an assessor at an agreed field location
PATHWAY TO CERTIFICATION

START

DBYD Certification Self-Assessment (no cost, no obligation)

Pass

Enrol for Certification (795+GST)

DBYD Theory Assessment

Pass

DBYD Practical Assessment

Pass

Fail

2 attempts then resit fee $150+GST

Fail

1 attempt then resit fee $395+GST

Work Experience
e.g. new locators

Learning Options

Utility Advanced Line Locating
(online $549)

RTO facilitated locator courses
e.g. JB Hunter, Staking U, other
CREDENTIALS

Dial Before You Dig Certified Locator

Name: Leon Moriceau
DOB: 07/05/1970
Issued: 15/12/2015
Expires: 15/12/2017

Statement of Certification
Jamie Ware
Dated: 11/09/2015

The following topics have been covered in
Dial Before You Dig Certified Locator

Code: LCA
Title: Locator Certification Assessment
- Locating equipment
- Scope of work
- DBYD enquiry lodged
- Work area orientation
- Risk assessment
- Approach to locating task
- Locating overview
- Conductive - induction overview
- Conductive - direct connect method
- Conductive - inductive clamping
- Conductive - inductive spillage
- Conductive - using peak and null
- Conductive - understanding depth measurements
- Blind Search - passive
- Blind Search - active, using inductive spillage
- Non-Conductive Cable Locating - transponders and marker tape
- Using sondes
- Surface markings of underground utilities
- Unlocated utilities
- Housekeeping
- Reporting

Paul Newman
General Manager

11 Hi-Tech Court
Eight Mile Plains QLD 4113
Phone: 1300040017
Email: info@dbydlocator.com
Website: www.dbydlocator.com
Certificate Number: 0000027
Expiry Date: 11/09/2017
LEGAL LIABILITY

As per our legal representatives advice, the following extract is now included in the certification process:

You, as a Certified Locator, acknowledge that to the maximum extent permitted by law, Dial Before You Dig (Qld) Ltd, its employees, agents, contractors and consultants are not responsible for any actions, liabilities, losses, damages, costs, claims or expenses arising in respect of personal injury, death or any damage to or loss of any property or otherwise. Including without limitation any special, incidental, consequential, indirect or punitive damages, costs, expenses or losses of any kind, loss of profit (whether direct or indirect), loss of revenue, loss of management time, opportunity costs, failure to realise anticipated savings or financial loss in any way arising out of or in relation to any services you provide and/or the use of the Certification Trade Mark by you in relation to the provision of any services by you. The provisions of this disclaimer shall apply regardless of the cause of action whether in contract, tort (including negligence) or otherwise.
LEGAL LIABILITY CONT

You also agree to indemnify Dial Before You Dig (Qld) Ltd, its employees, agents, contractors and consultants against all liabilities, costs, claims, expenses or loss (including without limitation any special, incidental, consequential, indirect or punitive damages, costs, expenses or losses of any kind, loss of profit (whether direct or indirect), loss of revenue, loss of management time, opportunity costs, failure to realise anticipated savings or financial loss) suffered by Dial Before You Dig (Qld) Ltd, its employees, agents, contractors or consultants arising from:

1. any incorrect or incomplete information provided by you to a third party; and
2. the failure to correctly or accurately locate underground assets/utilities, including pipe and cable networks.

Dial Before You Dig (Qld) Pty Ltd does not represent or warrant that you will achieve any particular objective, or guarantee any outcome in the provision of your locating services to a third party. Whilst Dial Before You Dig (Qld) Ltd has authorised you to use the Certification Trade Mark, it does not warrant that you are able to locate underground assets/utilities, including pipe and cable networks, on each instance you attempt to do so. The use of the Certification Trade Mark merely conveys to third parties that you have been assessed by Dial Before You Dig (Qld) Ltd and that on the date of your assessment you achieved a satisfactory score to become qualified as a Certified Locator.

By using the Certified Trade Mark, you release and discharge Dial Before You Dig (Qld) Ltd from all liability which might arise in respect of your use of the Certified Trade Mark.
RIGOUR BEHIND THE CERTIFICATION

Locator Certification Assessment
• Locating equipment
• Scope of work
• DBYD enquiry lodged
• Work area orientation
• Risk assessment
• Approach to locating task
• Locating overview
• Conductive - induction overview
• Conductive - direct connect method
• Conductive - inductive clamping
• Conductive - inductive spillage
• Conductive - using peak and null
• Conductive - understanding depth measurements
• Blind Search - passive
• Blind Search - active, using inductive spillage
• Non-Conductive Cable Locating - transponders and marker tape
• Using sondes
• Surface markings of underground utilities
• Unlocated utilities
• Housekeeping
• Reporting
Walk Away From Access Point

11. Orientate the receiver in the approximate alignment of the target facility.
   a. turn the receiver on
   b. select the correct frequency
   c. adjust the receiver gain

Receiver Gain

Gain controls the sensitivity to the signal.

Controlling the signal strength (keeping the meter on scale) is done by adjusting the gain keys.

This is the most utilized and important receiver adjustment: too little gain and the signal may be undetected or lost, too much gain and accuracy is lost (or worse - the wrong conductor is located).

Click the link for a definition and continue.

Inductive Clamp Method
ASSESSOR PROFILE

- Minimum 5 years full time equivalent locating experience
- Appropriate Locator training undertaken in the past
- High level of knowledge and skills in each of the criteria listed on the Self-Assessment questionnaire
- Genuine interest in and commitment to the quality of locating in Australia
- Strong support for DBYD and this Locator certification process
- Two high level industry referees/nominations
- A DBYD certified Locator
- Certificate IV in Training and Assessment
DEDICATED WEBSITE

WELCOME TO THE DBYD LOCATOR CERTIFICATION PROCESS
Dial Before You Dig (DBYD) offers certification for Locators working with DBYD asset owners and contractors.

The Certification recognises Locators who have a high level of understanding and practical expertise.

Given these requirements, the Certification is not for people who have only recently completed initial training, nor is it for people who have not already worked as a Locator under a range of conditions.

DBYD Certification Cost = $795 +GST

www.dbydlocator.com
CURRENT ENROLMENTS FOR ASSESSMENT

Between now & Sep 2016 there are another 500 locators scheduled to renew their accreditation.

Current statistics reveal 25% of locators are failing the assessment.

117 Locators have successfully completed the certification.
AUSTRALIAN STANDARD AS5488-2013

• Classification of Subsurface Utility Information (SUI)
• The standard describes four quality levels on accuracy of information for subsurface utilities;
  o Quality Level D – the lowest level which relates to the plans received via a DBYD enquiry (the information is indicative only, not precise location).
  o Quality Level C – is a combination of surface features e.g. pits, pillar boxes, valves etc. and referencing plan information
  o Quality Level B – includes buried utilities assets being located via electromagnetic field device i.e. EM Locator
  o Quality Level A – survey control information used to determine the absolute spatial position of the utilities asset i.e. Potholing
TESTIMONIALS

“The new DBYD locator certification is going to challenge service locators across the industry.

From the high standards, qualified trainers and assessors, DBYD will achieve its goal of having highly trained and skilled locators in the industry.”

Scott Masters, Orbital Underground Service Location Pty Ltd

“I completed the Utility Advanced Line Locating online course to challenge myself after being a locator for over 20 years. I found the course material excellent, well prepared and I have taken aspects away that will change how I conduct my work. I would definitely recommend this course.”

Glenn Foremam, Director at Underground Services Detection
WHERE FROM HERE?

- DBYD Queensland is currently bringing on two additional Assessors & continuing to seek others
- Actively engaging with other major asset owners to seek their endorsement of the certification
- Promoting & advertising the locator certification will be ramped up in mid 2016, targeting the locating industry, civil construction & trades sectors
- In general the feedback from the locators who have completed the certification is very positive

www.dbydlocator.com
Thank you