

AUSTRALIAN WELDER CERTIFICATION REGISTER (AWCR)



WELDER QUALIFICATION EXAMINER



Bruce Cannon
Technical Publications Manager



OVERVIEW

The AWCR provides a national framework for qualifying and testing welders to standards such as AS/NZS ISO 9606-1 and AS/NZS 2980, and other welding standards where specified.

It:

- ✓ Allows qualified welders to be registered so as to be able to work on any site without further testing resulting in a significant cost saving to industry.
- ✓ Provides industry with easy access to a database of welders with up to date certification and details of their career history.
- ✓ Generates data for a skills gap analysis which will allow the development of a detailed suite of training initiatives to upskill the workforce.
- ✓ Runs on the **WeldQ** platform; a fully internet enabled cloud based system with a supporting mobile app.

GETTING STARTED

This presentation provides the Examiner and Test Centres with basic information on the qualification test process for welder qualifications and access to and entry of test details within **WeldQ**.

- ✓ Examiners must be linked to a Test Centre
 - Examiners may operate their own test centre
 - Refer to the AWCR website <http://awcr.org.au> to apply
- ✓ Weld Australia staff will provide approved examiners and test centres with access to **WeldQ**
- ✓ Please login to **WeldQ** via Google's *Chrome* or Mozilla's *Firefox* browser. Details are on the next slide.
 - Other browsers may not work correctly
- ✓ Review each screen and follow the instructions
 - Description of main menu items included

LOGIN

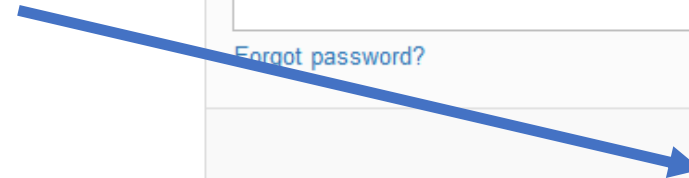


<https://wtia.weldq.com/user/login>

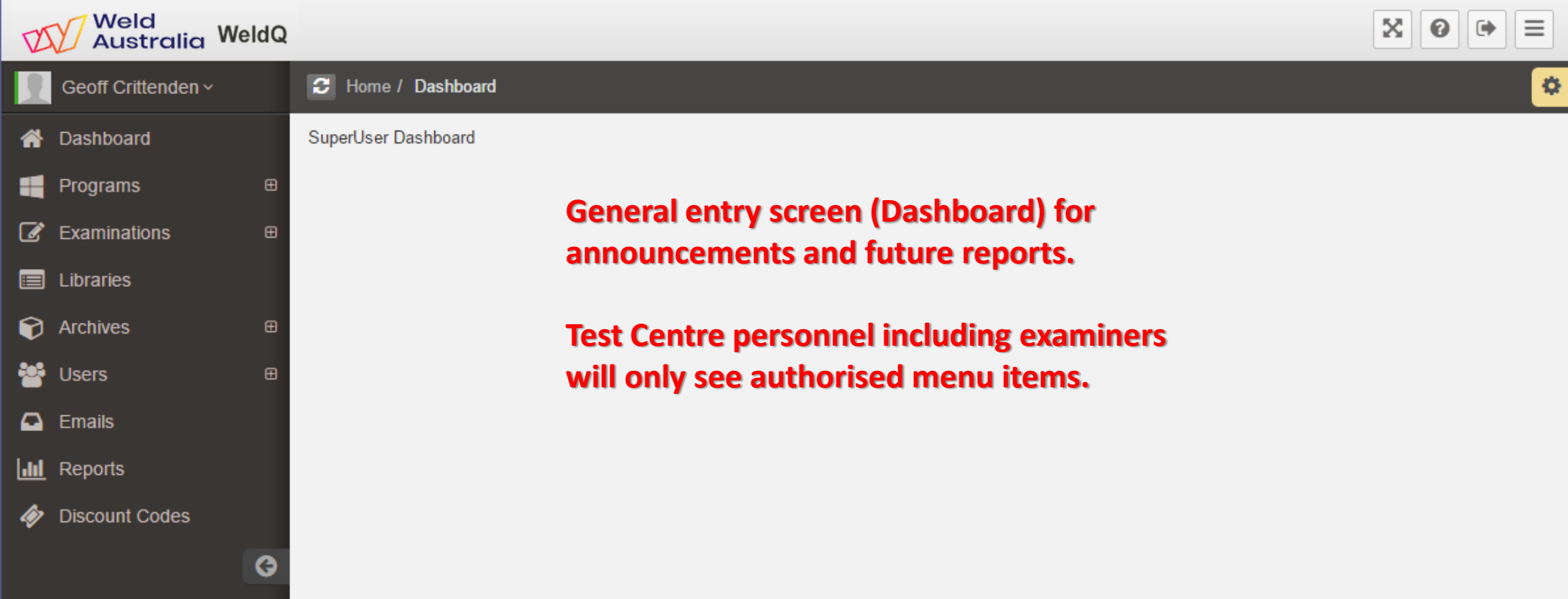
**Bookmark this web
site address**

A screenshot of the Weld Australia login page. The header shows the 'Weld Australia WeldQ' logo. The main content area is white. On the right, there is a grey box titled 'Internal User Sign In'. Inside this box, there are two input fields: 'E-mail' and 'Password', each with a small icon on the right. Below the password field is a link that says 'Forgot password?'. At the bottom of the box is a blue button labeled 'Sign in'. A red box is drawn around the entire login form area. A blue arrow points from the text 'Enter your Email address & Password then click here' to the 'Sign in' button.

**Enter your Email
address & Password
then click here**



DASHBOARD - GENERAL



The screenshot shows the Weld Australia WeldQ interface. The top header includes the Weld Australia logo and 'WeldQ' text. The left sidebar contains a user profile for 'Geoff Crittenden' and a menu with items: Dashboard, Programs, Examinations, Libraries, Archives, Users, Emails, Reports, and Discount Codes. The main content area is titled 'SuperUser Dashboard' and contains two red text blocks. The top block states: 'General entry screen (Dashboard) for announcements and future reports.' The bottom block states: 'Test Centre personnel including examiners will only see authorised menu items.'

Weld Australia WeldQ

Geoff Crittenden ▾ Home / Dashboard

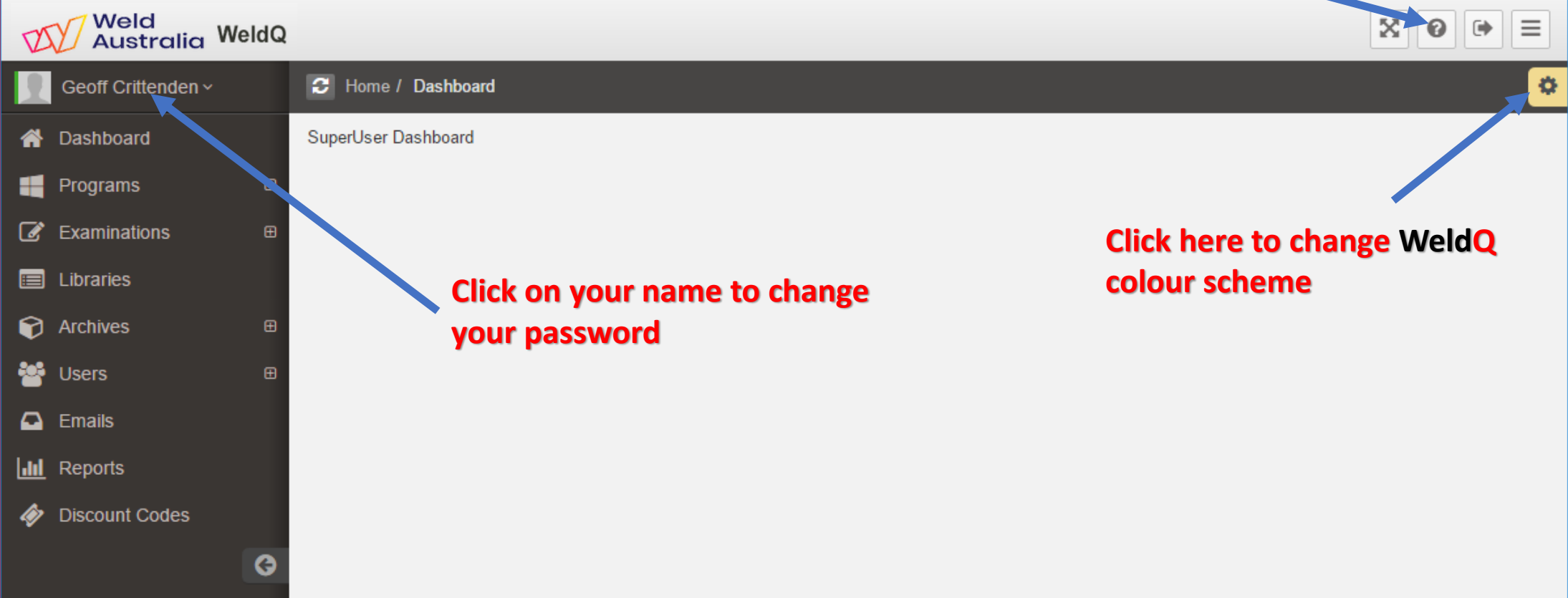
SuperUser Dashboard

General entry screen (Dashboard) for announcements and future reports.

Test Centre personnel including examiners will only see authorised menu items.

DASHBOARD - GENERAL

Click here for on-line help




The screenshot shows the WeldQ SuperUser Dashboard interface. At the top left is the Weld Australia logo and 'WeldQ' text. Below this is a user profile section for 'Geoff Crittenden' with a dropdown arrow. To the right of the profile is a breadcrumb trail 'Home / Dashboard' and a 'SuperUser Dashboard' title. A left-hand sidebar contains a list of menu items: Dashboard, Programs, Examinations, Libraries, Archives, Users, Emails, Reports, and Discount Codes. At the top right of the dashboard area are three icons: a help icon (question mark), a refresh icon, and a menu icon. A settings gear icon is located at the top right of the sidebar. Three blue arrows point to these elements: one from the 'Click here for on-line help' text to the help icon, one from the 'Click on your name to change your password' text to the user profile, and one from the 'Click here to change WeldQ colour scheme' text to the settings gear icon.

Click on your name to change your password

Click here to change WeldQ colour scheme

DASHBOARD - GENERAL

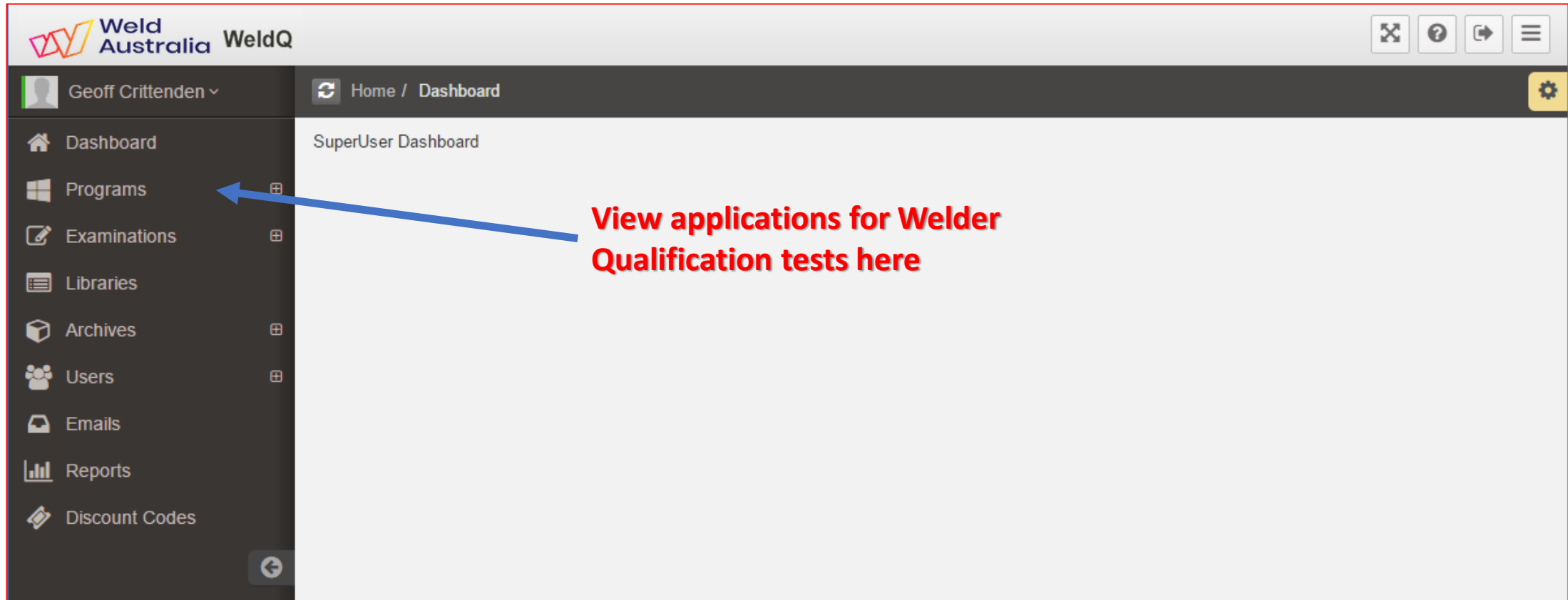
Logout here



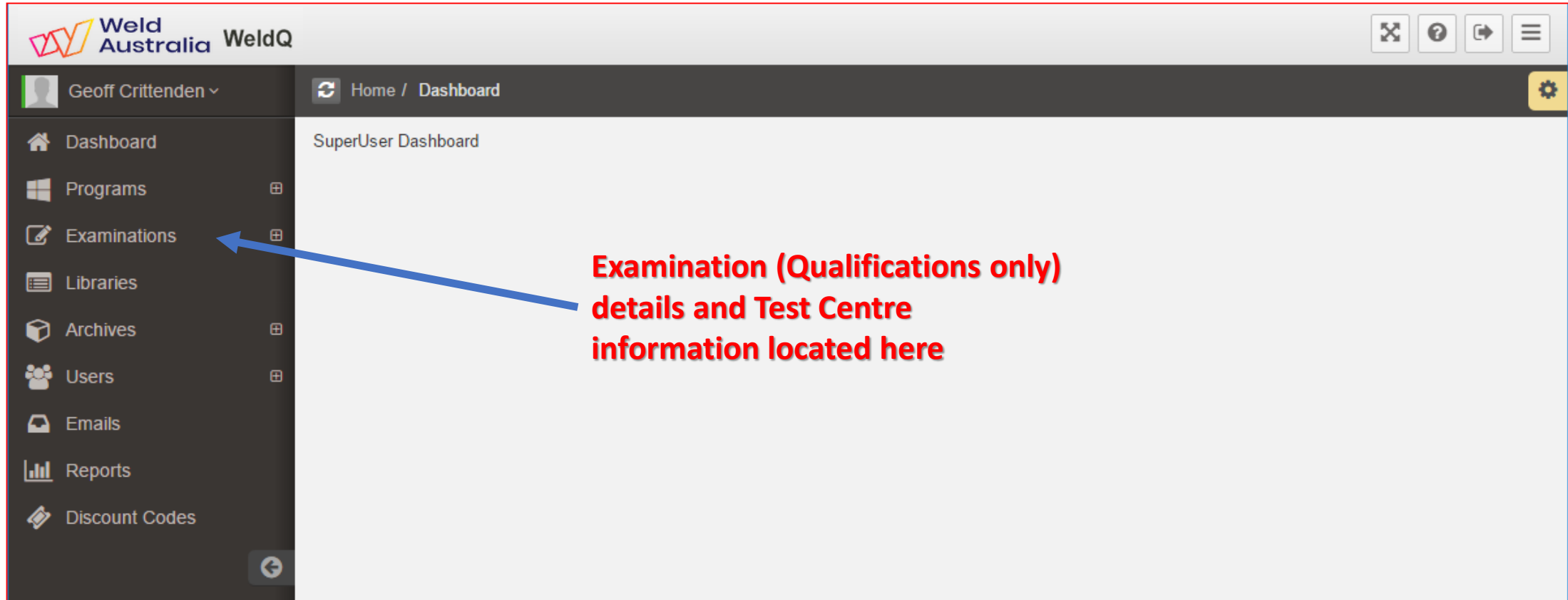
The screenshot shows the Weld Australia SuperUser Dashboard. The top navigation bar includes the Weld Australia logo, the user name 'Geoff Crittenden', and a breadcrumb trail 'Home / Dashboard'. A left-hand sidebar contains a menu with items: Dashboard, Programs, Examinations, Libraries, Archives, Users, Emails, Reports, and Discount Codes. At the bottom of this sidebar is a button with a left-pointing arrow. The main content area is titled 'SuperUser Dashboard'. In the top right corner of the dashboard, there are four icons: a square with an 'X', a circular arrow, a right-pointing arrow, and a hamburger menu icon. A red text label 'Logout here' with a blue arrow points to the circular arrow icon. Another red text label 'Click here or here to collapse the menu bar' has two blue arrows: one pointing to the left-pointing arrow button at the bottom of the sidebar, and the other pointing to the hamburger menu icon in the top right corner.

Click here or here to collapse the menu bar

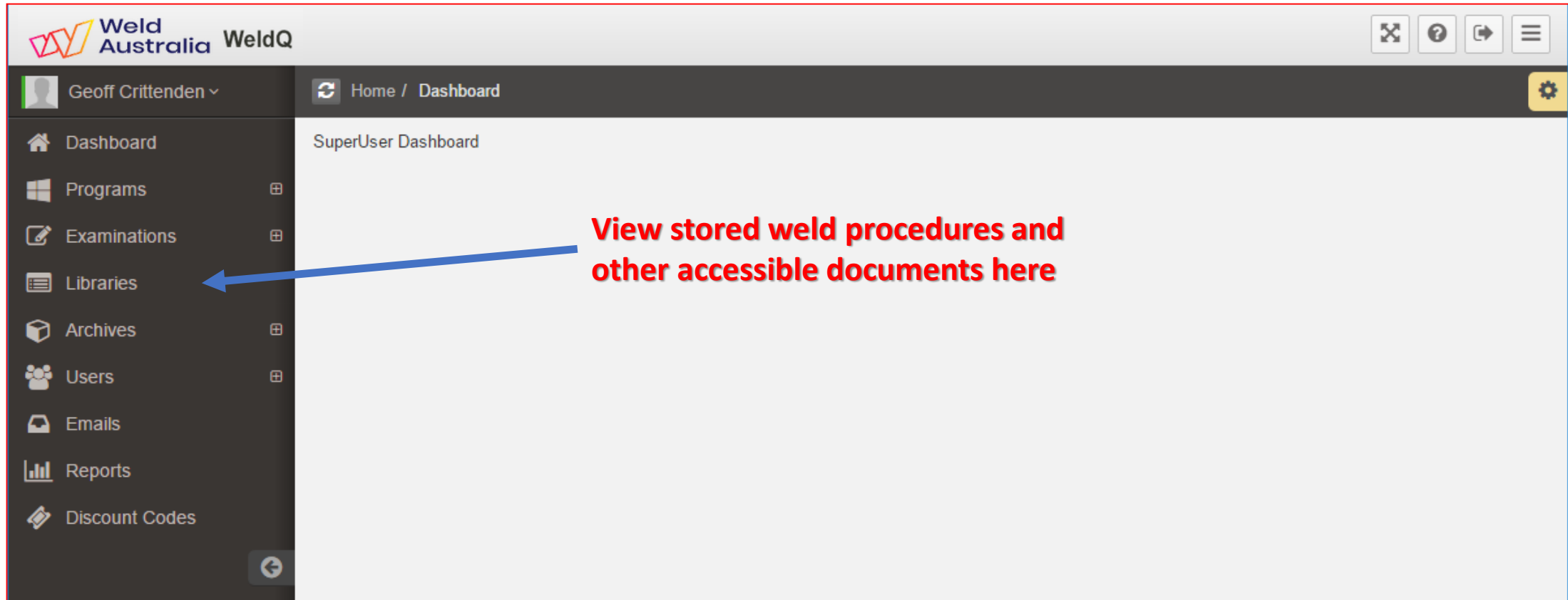
DASHBOARD – MENU TABS



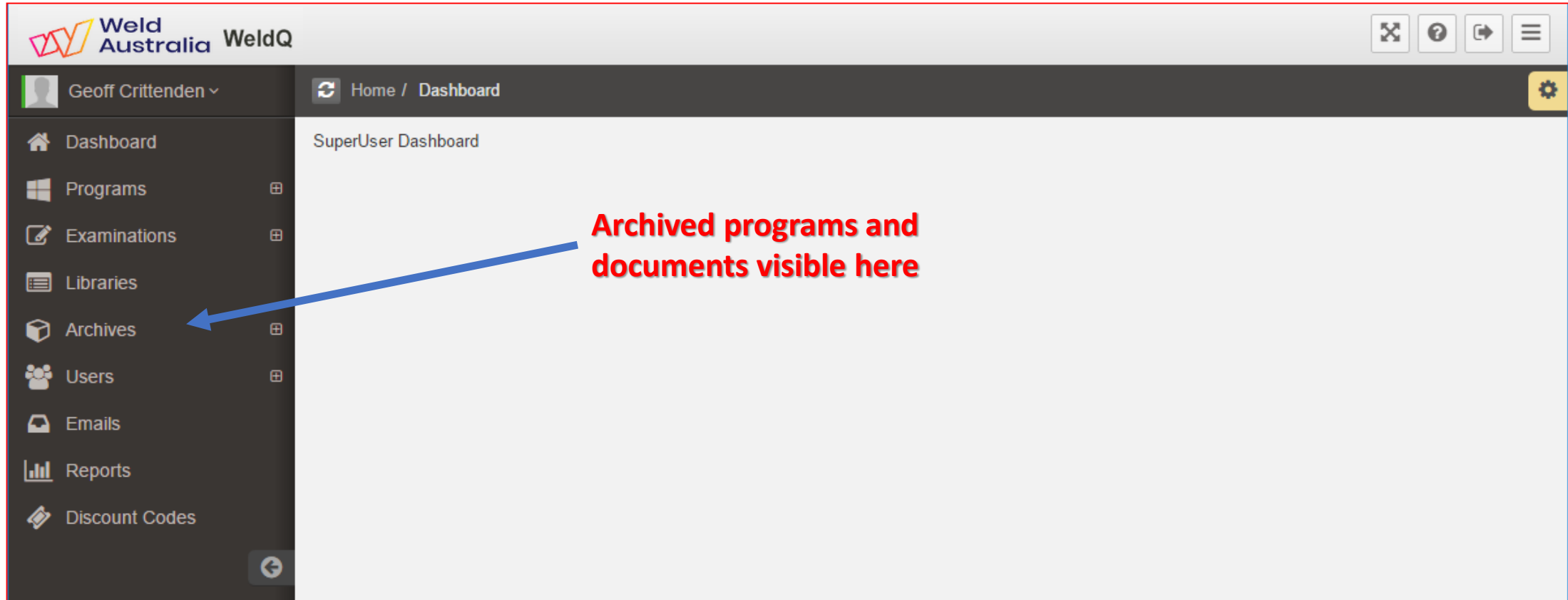
DASHBOARD – MENU TABS



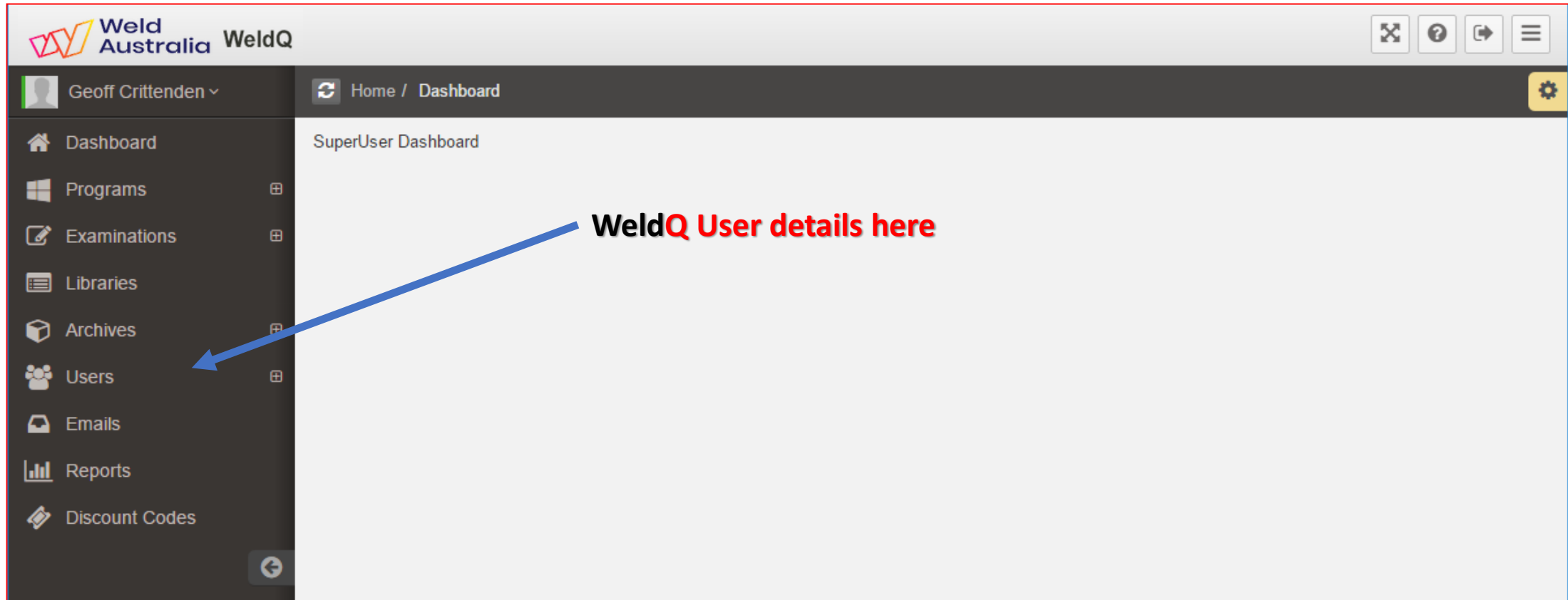
DASHBOARD – MENU TABS



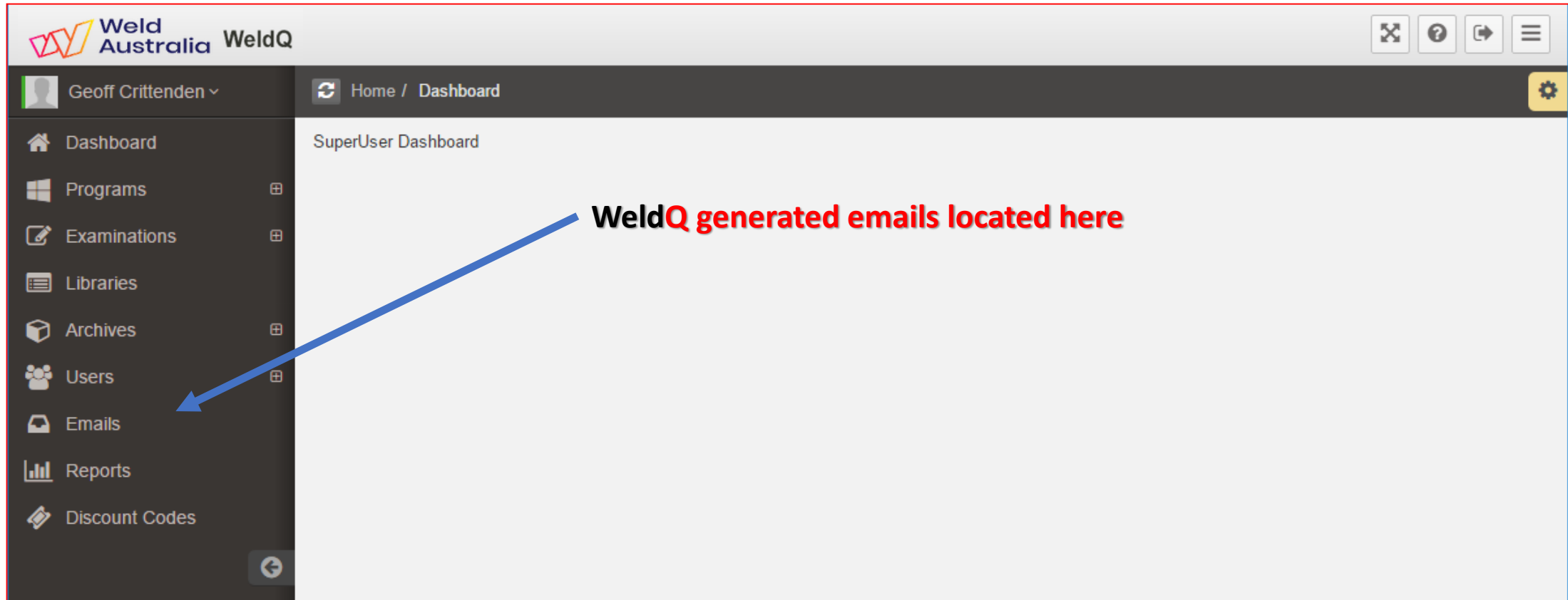
DASHBOARD – MENU TABS



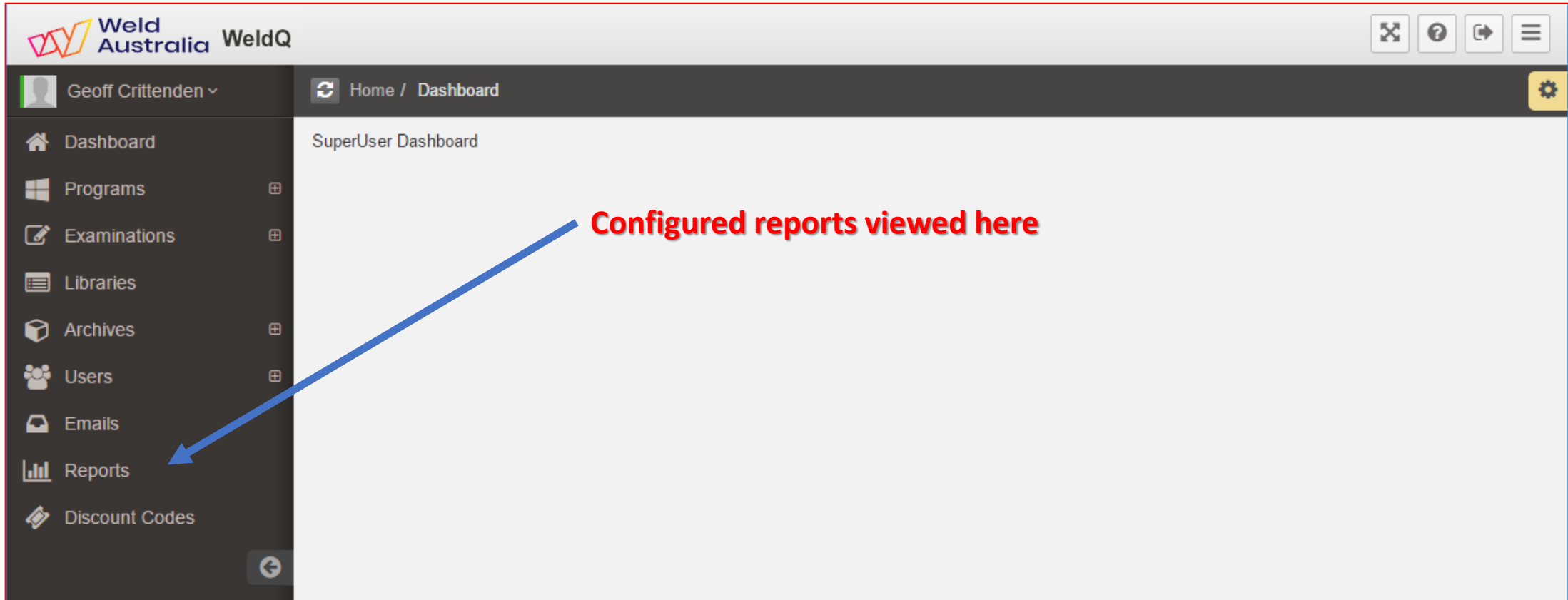
DASHBOARD – MENU TABS



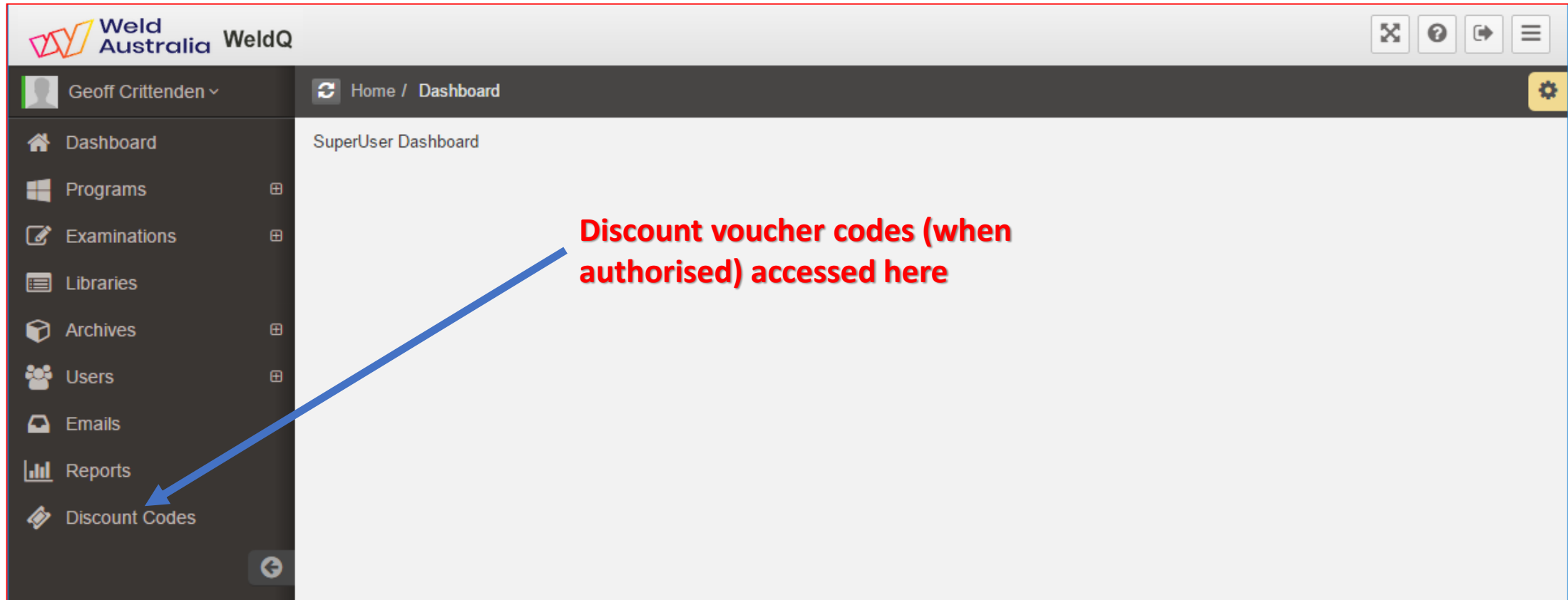
DASHBOARD – MENU TABS



DASHBOARD – MENU TABS



DASHBOARD – MENU TABS



WELDER QUALIFICATION TEST PREPARATION



Steps:

- ✓ Program coordinator notified of pending application
 - Coordinator confirms the test centre and submits application within **WeldQ**
- ✓ Test Centre notified by email of application and Coordinator's remarks
 - View applicant details via the *Program* tab
- ✓ Test Centre personnel (or examiner) contacts the applicant
 - Reviews WPS details, verifies if qualified (where relevant)
 - Organises discount code when relevant
 - Confirms test requirements, date and location
 - Advises applicant of own costs
- ✓ Examiner conducts JSEA on test location (if not approved training centre)

Examiner's Checklist

WeldQ



WeldQ Examiner's Check List

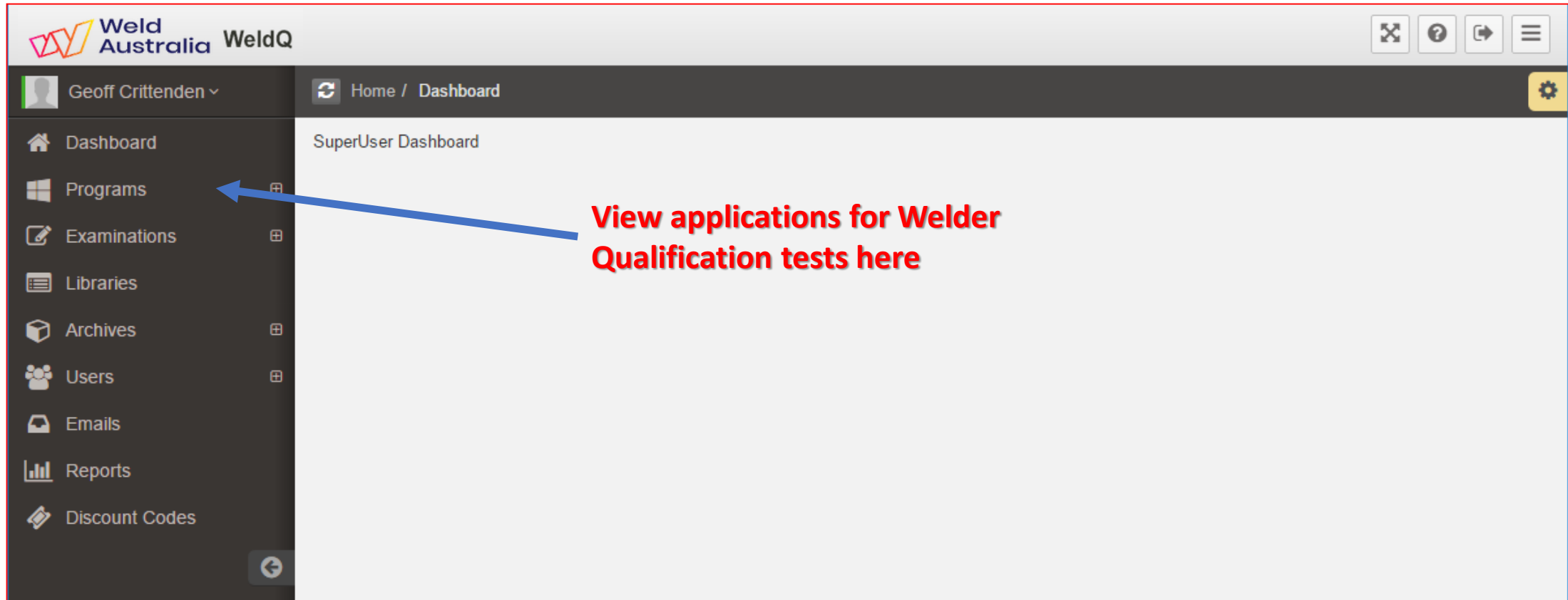
1. This checklist must be used in conjunction with AS/NZS ISO 9606-1 or AS/NZS 2980 (as appropriate).
2. Check each step listed to confirm critical actions in the preparation of the *Welder Qualification Record* (WQR).
3. If all green boxes ticked – OK to submit results.
4. If any red box ticked – corrective action required. OK to save, but **DO NOT SUBMIT RESULTS**.

Item	Yes	No	
WPS qualification			
1. Qualification of applicant's WPS verified (non WeldQ procedures only)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2. Acceptance criteria confirmed (e.g. ISO 9606-1 [default], AS/NZS 2980, AS/NZS 3992 etc)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Welder's identification verification			
1. Welders image consistent with supplied photo ID and image in WeldQ	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2. Place of birth (City or town) recorded in WeldQ	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3. Identification document and serial number recorded in WeldQ	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Welder Practical test			
1. Test weld parameters measured, recorded and attached to WQR	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2. All <i>Qualification Details, Joint Details</i> and <i>Process Variables</i> set in WeldQ	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Test reports and documentation			
1. Visual report (including test piece photo) attached to WQR (all welds)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Weld NDE and Destructive test reports			
1. Plate butt weld tests			Complete report requirements appropriate for test piece type
a. Radiography plus, for GMAW ^{131, 135} , FCAW ¹³⁸ (metal core) and oxyacetylene ³¹¹ welding only, additional bend tests or fracture (nick-break) tests OR ,			
b. Ultrasonic examination (≥8mm ferritic steel only) OR ,			
c. Bend tests OR ,			
d. Fracture (Nick-break) tests	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2. Pipe butt weld tests			
a. Radiography plus for GMAW ^{131, 135} , FCAW ¹³⁸ (metal core) and oxyacetylene ³¹¹ welding only, additional bend tests or fracture (nick-break) tests OR ,			
b. Ultrasonic examination (≥8mm ferritic steel only) OR ,			
c. Bend tests (for OD ≤ 25mm, notched tensile optional in lieu of bends) OR ,			
d. Fracture (Nick-break) tests (for OD ≤ 25mm, notched tensile optional in lieu of bends)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3. Fillet weld tests			
a. Fracture (Fillet-break) tests OR ,			
b. Macro tests (two, one from stop-start region)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
4. Pipe branch joint tests			
a. Fracture (Fillet-break) tests OR ,			
b. Macro tests (two, one from stop-start region) OR ,			
c. Radiography	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
All test reports complete, signed and uploaded to WQR Test Results.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
OK to submit results if all data fields complete and no red boxes ticked.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

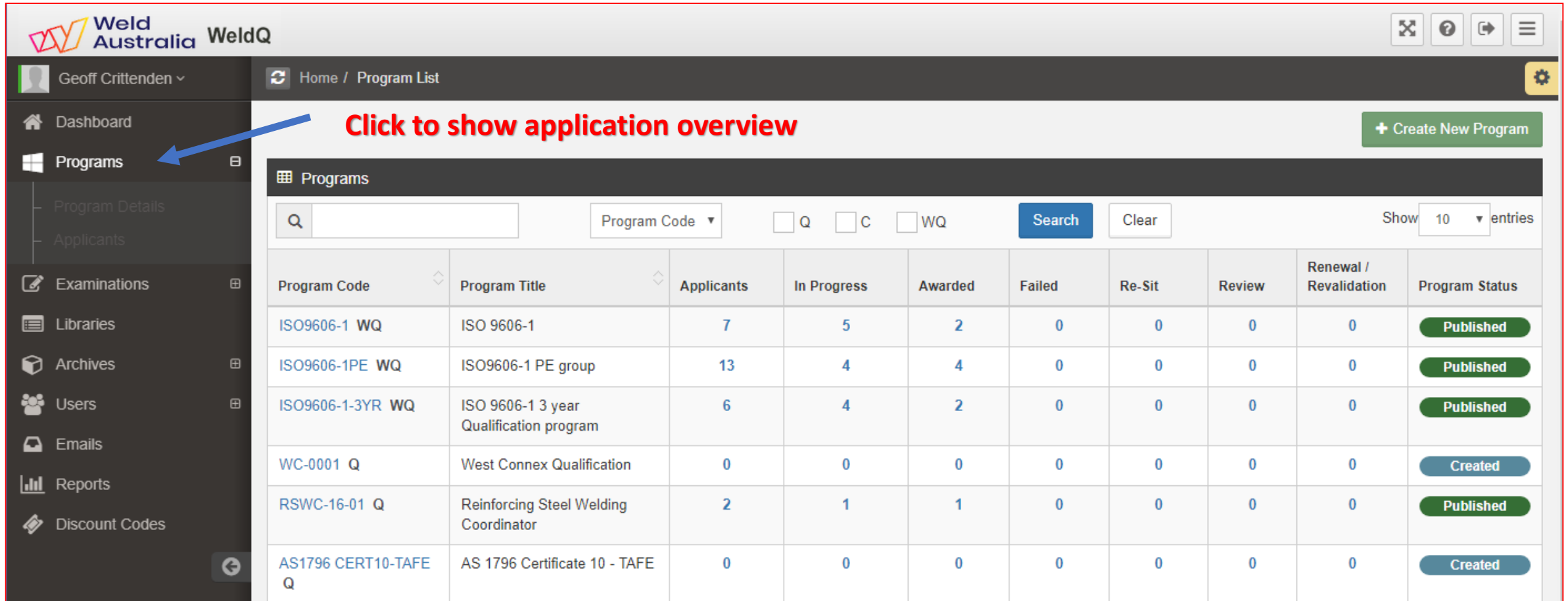
Checklist available for download from:

- **Resources tab on AWCRC website**
- **WeldQ's Library**

DASHBOARD – MENU TABS



WELDER QUALIFICATION TEST APPLICATIONS



The screenshot displays the Weld Australia WeldQ web application. The top navigation bar includes the logo, user name (Geoff Crittenden), and a breadcrumb trail (Home / Program List). A sidebar on the left contains navigation links: Dashboard, Programs (highlighted with a blue arrow and a red callout), Program Details, Applicants, Examinations, Libraries, Archives, Users, Emails, Reports, and Discount Codes. The main content area shows a table of programs with columns for Program Code, Program Title, Applicants, In Progress, Awarded, Failed, Re-Sit, Review, Renewal / Revalidation, and Program Status. A red callout points to the 'Programs' link in the sidebar with the text 'Click to show application overview'.

Click to show application overview

Program Code	Program Title	Applicants	In Progress	Awarded	Failed	Re-Sit	Review	Renewal / Revalidation	Program Status
ISO9606-1 WQ	ISO 9606-1	7	5	2	0	0	0	0	Published
ISO9606-1PE WQ	ISO9606-1 PE group	13	4	4	0	0	0	0	Published
ISO9606-1-3YR WQ	ISO 9606-1 3 year Qualification program	6	4	2	0	0	0	0	Published
WC-0001 Q	West Connex Qualification	0	0	0	0	0	0	0	Created
RSWC-16-01 Q	Reinforcing Steel Welding Coordinator	2	1	1	0	0	0	0	Published
AS1796 CERT10-TAFE Q	AS 1796 Certificate 10 - TAFE	0	0	0	0	0	0	0	Created

WELDER QUALIFICATION TEST APPLICATIONS

Weld Australia WeldQ

Geoff Crittenden ▾ Home / Program List

Dashboard Programs Program Details Applicants Examinations Libraries Archives Users Emails Reports Discount Codes

+ Create New Program

Programs

Program Code ☐ Q ☐ C ☐ WQ Search Clear Show 10 entries


Program Code	Program Title	Applicants	In Progress	Awarded	Failed	Re-Sit	Review	Renewal / Revalidation	Program Status
ISO9606-1 WQ	ISO 9606-1	7	5	2	0	0	0	0	Published
ISO9606-1PE WQ	ISO9606-1 PE group	13	4	4	0	0	0	0	Published
ISO9606-1-3YR WQ	ISO 9606-1 3 year Qualification program	6	4	2	0	0	0	0	Published
WC-0001 Q	West Connex Qualification	0	0	0	0	0	0	0	Created
RSWC-16-01 Q	Reinforcing steel welding Coordination	1	0	0	0	0	0	0	Published
AS1796 CERT10-TAFE Q	AS 1796 Certificate 10 - TAFE	0	0	0	0	0	0	0	Created

Click to show test program details. All programs shown.

Click on check box then Search to show only test program type of interest.


Black WQ = Welder qualification program
Black Q = Qualification program
Black C = Certification program

WELDER QUALIFICATION TEST APPLICATIONS

 Weld Australia WeldQ

Geoff Crittenden ▾

Home / Program List



Programs

Program Details

Applicants

Examinations

Libraries

Archives

Users

Emails

Reports

Discount Codes

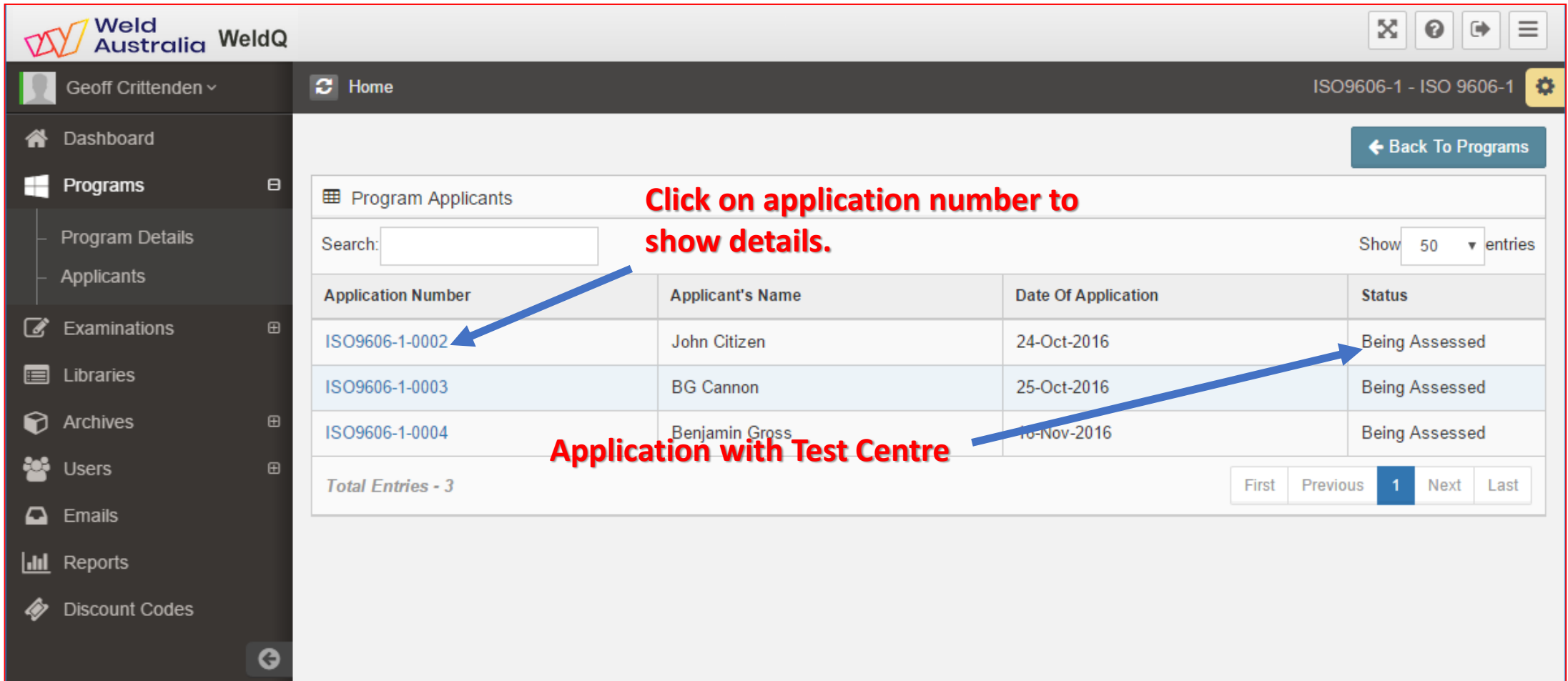
Programs

Program Code ☐ Q ☐ C ☐ WQ Show 10 entries

Program Code	Program Title	Applicants	In Progress	Awarded	Failed	Re-Sit	Review	Renewal / Revalidation	Program Status
ISO9606-1 WQ	ISO 9606-1	7	5	2	0	0	0	0	<input type="button" value="Published"/>
ISO9606-1PE WQ	ISO9606-1 PE group	13	4	4	0	0	0	0	<input type="button" value="Published"/>
ISO9606-1-3YR WQ	ISO 9606-1 3 year Qualification program	6	4	2	0	0	0	0	<input type="button" value="Published"/>
WC-0001 Q	West Connex Qualification	0	0	0	0	0	0	0	<input type="button" value="Created"/>
RSWC-16-01 Q	Reinforcing Steel Welding Coordinator	2	1	1	0	0	0	0	<input type="button" value="Published"/>
AS1796 CERT10-TAFE Q	AS 1796 Certificate 10 - TAFE	0	0	0	0	0	0	0	<input type="button" value="Created"/>

Test centre will only see number >0 for applications they have access to. Click on number to proceed

WELDER QUALIFICATION TEST APPLICATIONS



Weld Australia WeldQ

Geoff Crittenden ▾ Home ISO9606-1 - ISO 9606-1 ⚙

← Back To Programs

Program Applicants

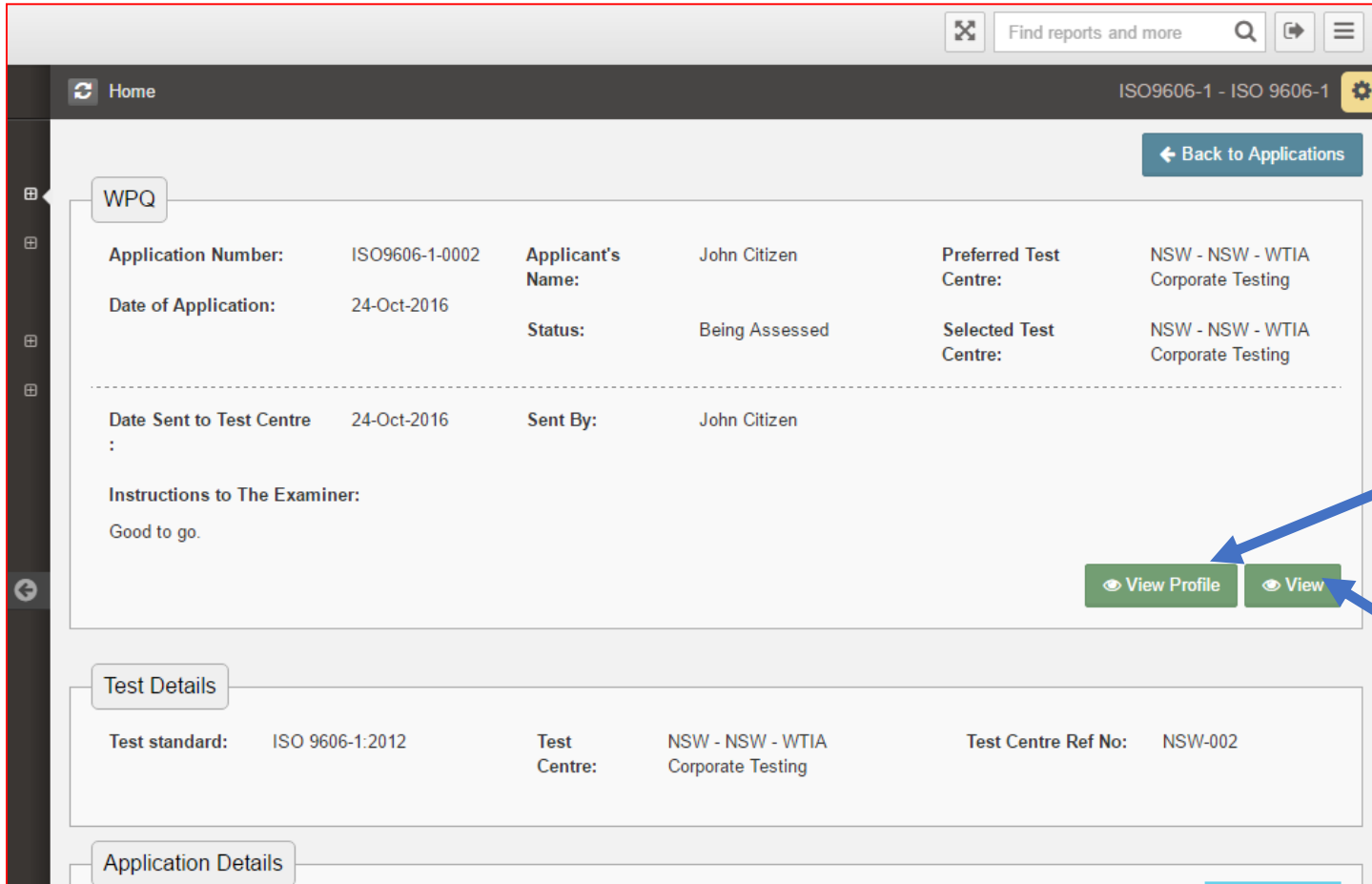
Search: Show 50 entries

Application Number	Applicant's Name	Date Of Application	Status
ISO9606-1-0002	John Citizen	24-Oct-2016	Being Assessed
ISO9606-1-0003	BG Cannon	25-Oct-2016	Being Assessed
ISO9606-1-0004	Benjamin Gross	16-Nov-2016	Being Assessed

Total Entries - 3

First Previous 1 Next Last

WELDER QUALIFICATION TEST APPLICATIONS



The screenshot shows a web application interface for Weld Australia. At the top, there is a search bar with the text "Find reports and more" and a magnifying glass icon. Below this is a navigation bar with a "Home" link and a settings icon. The main content area is titled "WPQ" and contains a "Back to Applications" button. The application details are displayed in a table-like format:

Application Number:	ISO9606-1-0002	Applicant's Name:	John Citizen	Preferred Test Centre:	NSW - NSW - WTIA Corporate Testing
Date of Application:	24-Oct-2016	Status:	Being Assessed	Selected Test Centre:	NSW - NSW - WTIA Corporate Testing
Date Sent to Test Centre :	24-Oct-2016	Sent By:	John Citizen		
Instructions to The Examiner: Good to go.					

At the bottom of the application details, there are two green buttons: "View Profile" and "View". Below the application details, there is a "Test Details" section with the following information:

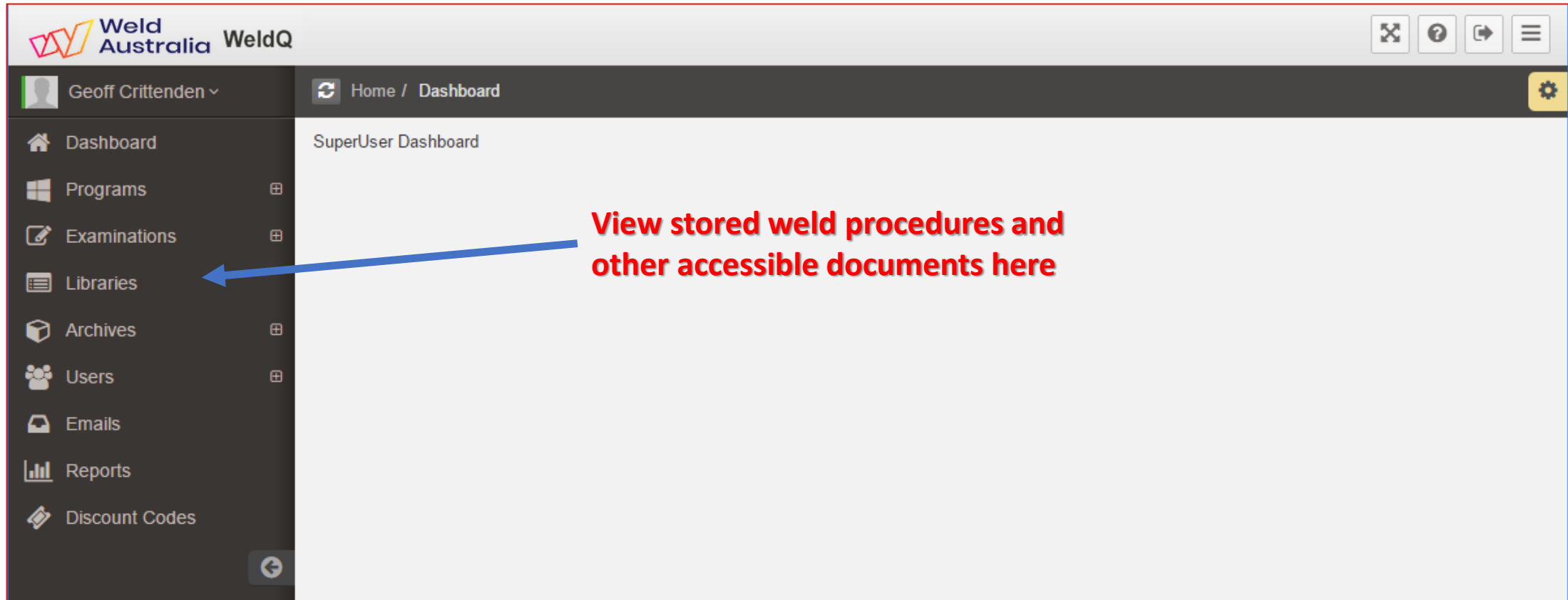
Test standard:	ISO 9606-1:2012	Test Centre:	NSW - NSW - WTIA Corporate Testing	Test Centre Ref No:	NSW-002
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At the bottom, there is an "Application Details" section.

View applicant's details (profile).

View application details including test WPS and requests

DOCUMENT ACCESS



DOCUMENT LIBRARY (RESOURCES)



Weld Australia WeldQ

Geoff Crittenden ▾ Home

+ Add New Document

Documents

Search: Show 50 entries

Document Number	Document Title	Document Date	Document Type	Revision	Action
WTIA-0001	ISO9606-1 FCAW FM1 PF Bevel MB	01-Oct-2016	Welding Procedure	0	
WTIA-0002	ISO9606-1 FCAW FM1 PE Bevel MB	01-Oct-2016	Welding Procedure	0	
WTIA-0003	ISO9606-1 MMAW B PF Bevel MB	01-Oct-2016	Welding Procedure	0	
WTIA-0004	ISO9606-1 MMAW B PE Bevel MB	01-Oct-2016	Welding Procedure	0	
WTIA-0005	ISO9606-1 GMAW PF Bevel MB	01-Oct-2016	Welding Procedure	0	
WTIA-0006	ISO9606-1 GMAW PE Bevel MB	01-Oct-2016	Welding Procedure	0	
WPS-001	FCAW B PA Bevel MB	01-Oct-2016	Welding Procedure	0	

Click on document number to view document summary.

DOCUMENT LIBRARY (RESOURCES)



The screenshot shows the 'WeldQ' interface. On the left is a dark sidebar with a menu: Dashboard, Programs, Examinations, Libraries (highlighted), Archives, Users, Emails, Reports, and Discount Codes. The top header includes the 'Weld Australia WeldQ' logo, a user profile for 'Geoff Crittenden', a 'Home' button, and utility icons. The main content area is titled 'Library Document View' and contains a table of document details. A red text overlay with an arrow points to a blue hyperlink in the 'Document File' column.

Document number:	WTIA-0001	Document Title:	ISO9606-1 FCAW FM1 PF Bevel MB	Document Date:	01-Oct-2016
Revision / Version:	0	Document Type:	Welding Procedure	Document File:	WTIA pWPS-0001 ISO 9606-1.pdf
Comments	To be qualified.				

DOCUMENT LIBRARY (RESOURCES)



Weld Australia WeldQ

Geoff Crittenden Home

Dashboard Programs Examinations Libraries Archives Users Emails Reports Discount Codes

Note format of document numbering and title in WeldQ.

+ Add New Document

Documents

Search: Filter Show 50 entries

Document Number	Document Title	Document Date	Document Type	Revision	Action
WPS-TB-135SF-PB001	GMAW P F1 FM1 S 6 PB	09-Jan-2017	Welding Procedure	0	
WPS-TB-135SF-PB002	GMAW P F1 FM1 S 12 PB	09-Jan-2017	Welding Procedure	0	
WPS-TB-135SB-PF001	GMAW P BC4b FM1 S 12 PF	10-Jan-2017	Welding Procedure	0	
WPS-TB-135SB-PC001	GMAW P BC4b FM1 S 12 PC	11-Jan-2017	Welding Procedure	0	
WPS-TB-135SF-PB003	GMAW T F3 FM1 S 2.5 PB	11-Jan-2017	Welding Procedure	0	
WPS-TB-114ZO-PC001	FCAW P PAD FM5 Z 6 PC	21-Nov-2016	Welding Procedure	0	

Total Entries - 6

First Previous 1 Next Last

Note: Document numbering and title format used in WeldQ follows "Welders Designation format".

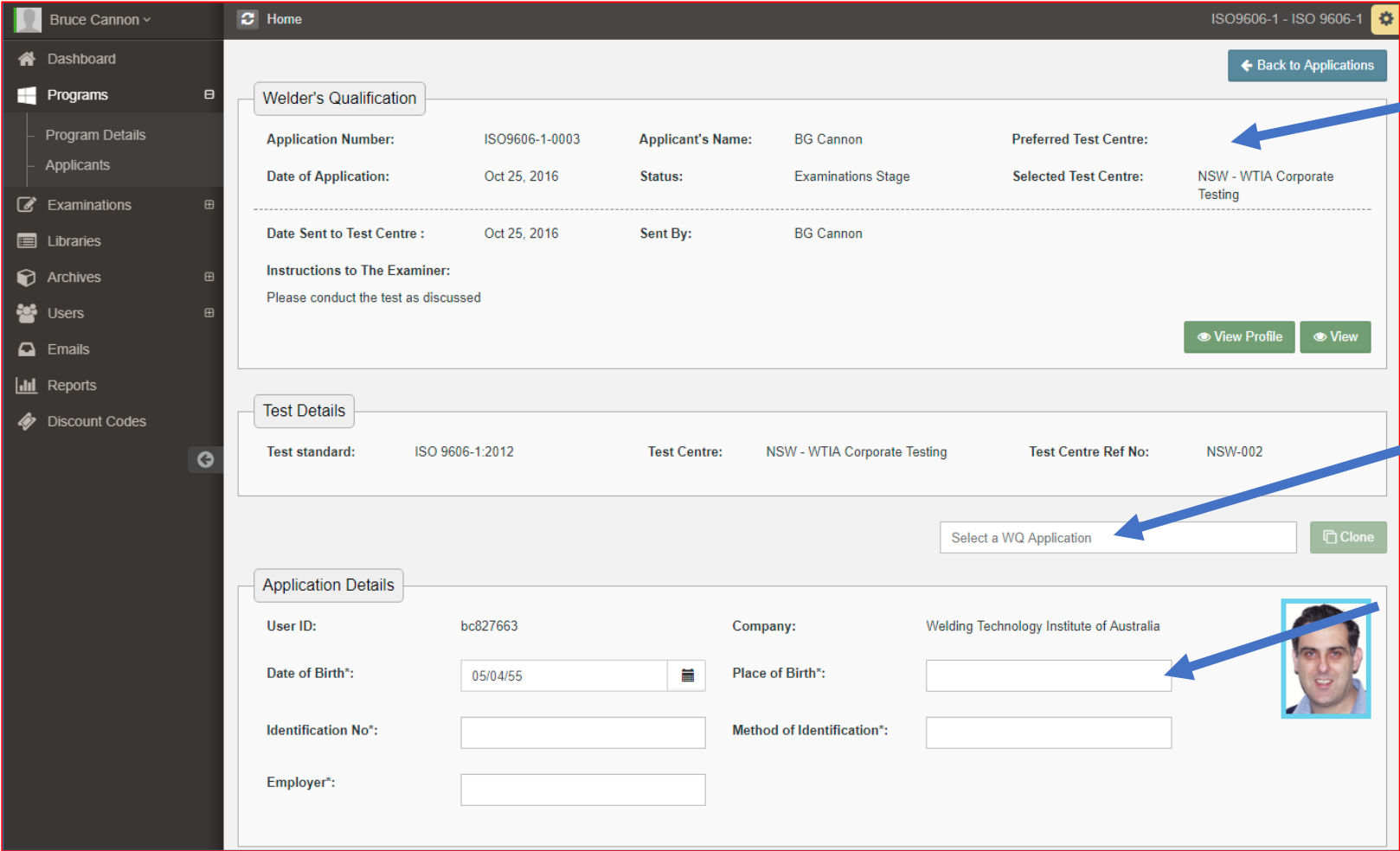
WELDER QUALIFICATION TEST



Steps (2):

- ✓ Review WPS requested
 - If WPS correctly qualified, proceed
 - If not qualified, WPS can be qualified with welder test. Additional test pieces may be required. Confirm with applicant.
- ✓ Verify Applicant's identification (standards requirement due to qualification portability)
 - 100 points of ID required including photo and place of birth information.
 - If examiner can access previous Awards and validate ID references from online **WeldQ** records, additional ID checks may not be required.
- ✓ Conduct the weld test(s)
 - Record all welding parameters and joint details
 - Conduct visual examination on completion
 - Initiate NDE tests and/or destructive tests as appropriate
- ✓ Record all test details in **WeldQ**, upload test reports when available.
- ✓ "Approve" if passed, or indicate "Not approved", submit for approval to complete.

WELDER QUALIFICATION TEST



The screenshot shows a web application interface for a welder qualification test. It features a dark sidebar on the left with navigation links: Dashboard, Programs (selected), Examinations, Libraries, Archives, Users, Emails, Reports, and Discount Codes. The main content area is titled 'Welder's Qualification' and contains three sections: 'Welder's Qualification' (top), 'Test Details' (middle), and 'Application Details' (bottom). The 'Welder's Qualification' section includes fields for Application Number, Applicant's Name, Preferred Test Centre, Date of Application, Status, Selected Test Centre, Date Sent to Test Centre, and Sent By. The 'Test Details' section includes Test standard, Test Centre, and Test Centre Ref No. The 'Application Details' section includes User ID, Company, Date of Birth, Place of Birth, Identification No, Method of Identification, and Employer. A 'Clone' button is located next to a 'Select a WQ Application' dropdown menu. A blue arrow points from the 'Clone' button to the 'Clone' text in the red annotation. Another blue arrow points from the 'View Profile' button to the 'Details from application & reviewer comments' red annotation. A third blue arrow points from the 'Photo' field to the 'Complete ID details. Photo retrieved from Profile' red annotation.

ISO9606-1 - ISO 9606-1

← Back to Applications

Welder's Qualification

Application Number: ISO9606-1-0003 Applicant's Name: BG Cannon Preferred Test Centre:

Date of Application: Oct 25, 2016 Status: Examinations Stage Selected Test Centre: NSW - WTIA Corporate Testing

Date Sent to Test Centre : Oct 25, 2016 Sent By: BG Cannon

Instructions to The Examiner:
Please conduct the test as discussed

View Profile View

Test Details

Test standard: ISO 9606-1:2012 Test Centre: NSW - WTIA Corporate Testing Test Centre Ref No: NSW-002

Select a WQ Application Clone

Application Details

User ID: bc827663 Company: Welding Technology Institute of Australia

Date of Birth*: 05/04/55 Place of Birth*:

Identification No*: Method of Identification*:

Employer*:

Details from application & reviewer comments

Clone feature for copying existing records

Complete ID details. Photo retrieved from Profile

Clone option is based on Welder's Designation. Option is only available if the welder has an existing record for the program. Clone copies welder's personal details but not test results. To use, type part of the designation in the box, select most suitable from drop-down list, click on Clone to apply.

WELDER QUALIFICATION TEST

Qualification Details

WPS Number*

WPS Revision*

Select

WPS Date*

Qualification Type*

Select Qualification Type

Job Knowledge*

Select Job knowledge

Place of Testing*

Test Date*

Issue Date*

Testing Acceptance Criteria*

Select a WQ Application

Replicate

Joint Details

Parent Material Specification*

Parent Material Group*

Select Parent Material Group

Parent Material Subgroup*

Select Parent Material Sub Group

Product Type*

Select Product Type

Joint Type*

Select Joint Type

Branch

Select Branch

Additional Joint Type Test*

Select Additional Joint Type

Test piece thickness(t), mm*

Pipe OD(D), mm

Complete all details.

Replicate feature for copying existing records

Use drop-down boxes or freehand text where permitted.

Replicate option is based on Welder's Designation. It does not copy welder's personal details or test results. To use, type part of the designation in the box, select most suitable from drop-down list, click on **Replicate** to apply.

WELDER QUALIFICATION TEST

Designation (1)

At the top of the welder's qualification test certificate, a *Designation* or summary of the items of test are printed. Format of the designation is:

STANDARD NNN PP WW FF ff s t (D) pp dd II

Where:

1. STANDARD = AS/NZS ISO 9606-1
2. NNN = Welding process number
3. PP = Product type (plate – P or pipe – T)
4. WW = Type of weld (BW or FW)
5. FF = Filler metal group or parent material group
6. ff = Filler material type
7. s t (D) = test piece dimensions e.g. deposit thickness (s), material thickness (t) or pipe OD
8. pp = Welding position
9. dd II = Weld details e.g. backing materials, layer details (fillet welds)

WELDER QUALIFICATION TEST



Designation (2)

Examples of *Designation*:

AS/NZS ISO 9606-1 135 P FW FM1 S s 12 t 12 D - PB - ml

Represents:

- ❖ Fillet weld qualified to AS/NZS ISO 9606-1, welded with process 135 (GMAW or MAG) on plate using a solid wire low strength (FM1) filler. Weld size was 12mm fillet (multilayer) on 12mm thick plate in the PB (HV or 2F) position.

AS/NZS ISO 9606-1 141 T BW FM3 S s 7 t 7 D 63 H-L045 ss,nb

Represents:

- ❖ Butt weld qualified to AS/NZS ISO 9606-1, welded with process 141 (GTAW) on pipe using a solid wire creep resistant (FM3) filler. Weld size was 7mm within a pipe (tube) with a 7mm wall thickness and 63mm outside diameter in the 6G (H-L045) direction. It is welded from one side without backing (ss,nb).

WELDER QUALIFICATION TEST

Qualification Details

WPS Number*

WPS Revision*

Select

WPS Date*

Qualification Type*

Select Qualification Type

Job Knowledge*

Select Job knowledge

Place of Testing*

Test Date*

Issue Date*

Revalidation Date*

Joint Details

Parent Material Specification*

Parent Material Group*

Select Parent Material Group

Parent Material Subgroup*

Select Parent Material Sub Group

Product Type*

Select Product Type

Joint Type*

Select Joint Type

Branch

Select Branch

Additional Joint Type Test*

Select Additional Joint Type

Test piece thickness(t), mm*

Pipe OD(D), mm

Complete all details.

Use drop-down boxes or freehand text where permitted.

WELDER QUALIFICATION TEST

Process Variables

Process 1

Welding Process* Select Welding Process	Direction of Welding* Select Direction of Welding	Transfer Mode* Select Transfer Mode
Welding Position* Select Welding Position	Product Type for Additional Joint Type Test Select Product Type for Additional Joint Typ	Welding Position for additional joint Type Select Welding Position for additional joint T
Filler Material Group* Select Filler Material Group	Filler Material Type* Select Filler Material Type	Filler Material Trade Name* Enter Filler Material Trade Name
Backing and Consumable Insert Select Backing and Consumable Insert	Deposit thickness(s),mm* Enter Deposit Thickness(s)mm	Layer Technique Select Layer Technique
Shielding Gas* Enter Shielding Gas	Type of Current & Polarity* Select Type of Current & Polarity	Auxiliaries Enter Auxiliaries

Process 2

Use drop-down boxes or freehand text where permitted.

Up to 3 processes can be included.

Shielding gas entry required for MMAW – record N/A if gas backing not used.

WELDER QUALIFICATION TEST

Test Results

Method	Calculated Values	User entered
Visual testing	Select	<input type="text"/> Upload
Radiographic examination	Select	<input type="text"/> Upload
Ultrasonic examination	Select	<input type="text"/> Upload
Bend test	Select	<input type="text"/> Upload
Fracture test	Select	<input type="text"/> Upload
Macro test	Select	<input type="text"/> Upload

Add further lines for additional tests (or JSEA details) if required

+

Select from drop-boxes:
*Performed and acceptable; or,
Not tested; or,
Not acceptable*
as appropriate on all tests.

Upload reports.

Note: Most testing standards require written reports to be issued. These can be uploaded as pdf documents.

WELDER QUALIFICATION TEST

**Butt weld test options.
(from AS/NZS ISO 9606-1)**

Plate butt welds					
Visual	plus:				
Radiography	or→	Bend tests	or→	Fracture tests	or →
plus Additional bends or fracture tests for all GMAW ^{131, 135} , FCAW ¹³⁸ (metal core) and oxyacetylene ³¹¹ welding only. One of these tests to come from stop start region				(i.e. Nick-break tests)	Ultrasonic (≥8mm ferritic steel only)
Pipe butt welds					
Visual	plus:				
Radiography	or→	Bend tests	or→	Fracture tests	or →
plus Additional bends or fracture tests for all GMAW ^{131, 135} , FCAW ¹³⁸ (metal core) and oxyacetylene ³¹¹ welding only. One of these tests to come from stop start region		For OD ≤ 25mm, notched tensile optional in lieu of bends		For OD ≤ 25mm, notched tensile optional in lieu of nick-break	Ultrasonic (≥8mm ferritic steel only)

**Test method pages available for download via
Resources tab on AWCR website and WeldQ's Library**

WELDER QUALIFICATION TEST



Fillet weld			
Visual	plus:		
Fracture test <i>(i.e. Fillet break test)</i>	or→	2 macros One macro to come from stop start region	
Branch pipe joint			
Visual	plus:		
Fracture test <i>(i.e. Fillet break test)</i>	or→	2 macros or→ One macro to come from stop start region	Radiography

**Fillet & Branch weld test options.
(from AS/NZS ISO 9606-1)**

**Test method pages available for download via
Resources tab on AWCR website and WeldQ's Library**

WELDER QUALIFICATION TEST

Qualification Result

Welder Qualification Approved?*

Select

Notes for the Program Assessor

You may leave some notes or remarks to the Program Assessor about this welder qualification test

Cancel

Preview

Save

Submit

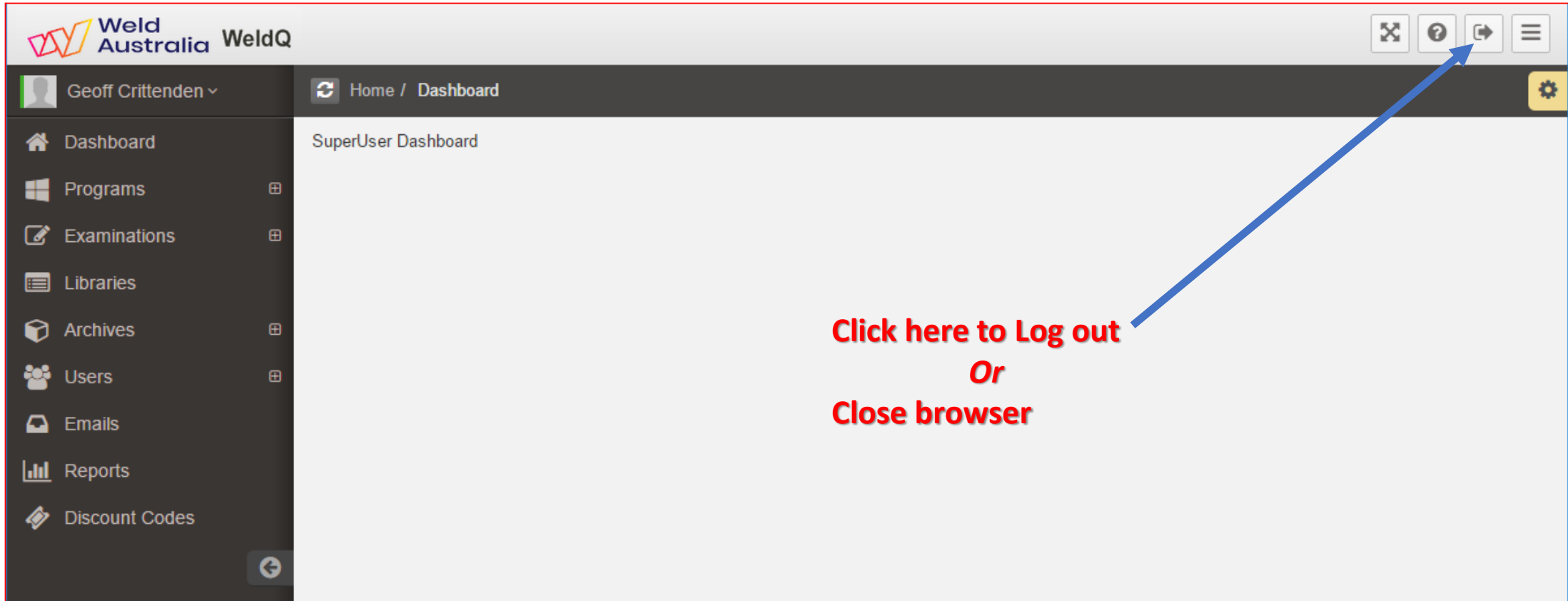
Save if incomplete.
Examiner can preview certificate when complete
(if pop-ups enabled) and/or *Submit* for approval

WELDER QUALIFICATION TEST AWARD



- ✓ Assessor approves if records of test complete
 - Can amend if required prior completion and final authorisation
- ✓ Assessor “Submits” upon completion
 - Award issued to applicant (Welder)

LOGOUT



QUESTIONS

If you have any questions please use the
Contact Form on the AWCR website.

<http://awcr.org.au>