



# Digital Product Conformity

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NATA



## ACKNOWLEDGEMENTS



**Australian Government**  

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**Department of Industry,  
Science and Resources**

This project is supported by the Australian Government Department of Industry, Science and Resources through the Support for Industry Service Organisations program.

For many products with which we interact and consume,  
**testing inspection & certification** provides the basis for assuring:

- ✓ Safety
- ✓ Quality
- ✓ Environmental impact
- ✓ Social impact

Testing inspection and certification is carried out by Conformity Assessment Bodies (CABs). Global arrangements exist to ensure mutual recognition.

**However!!**

Existing document exchange systems are vulnerable to **false connections** being asserted between conformity data and physical product supply (confusing for importers, distributors, building surveyors)

Certificates are **subject to revision**, but paper/PDF copies don't automatically update!

The rigor of some product approvals may be open to question, with the **connection to global recognition** not always obvious.

Escalating demands for traceability and data **aggregation across supply networks** will require entirely new functionalities.

## Current State

- Paper and pdf
- Manual verification
- Increasing complexity

*Our focus is on  
the transition!*

## Future State

- paper/pdf **and paperless**
- Automatic verification
- Standardization



**Any solution that depends on all supply chain participants (domestic and international) adopting an agreed technology is not happening anytime soon!**

We need manageable 'small steps' (a glide path) to support digitalization!

**White Paper  
Digital Product Conformity  
Certificate Exchange**

Public Review Draft

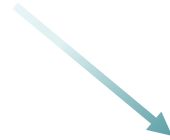




Certificate Identifier URL



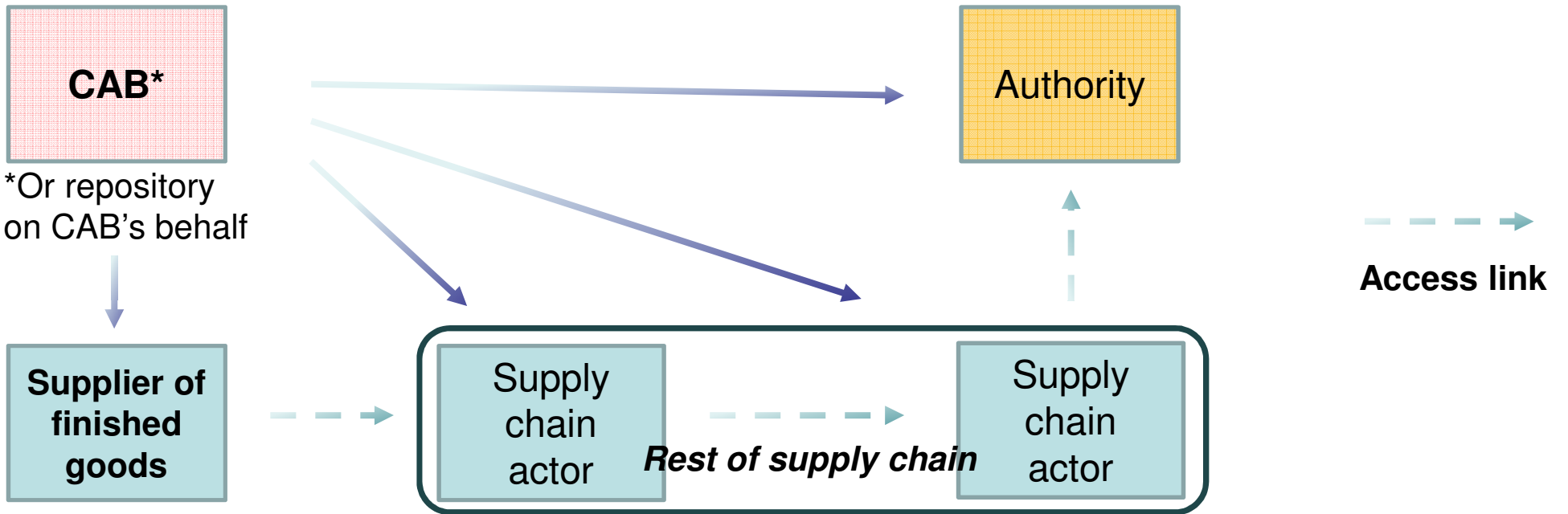
Web Menu  
or  
Resolver



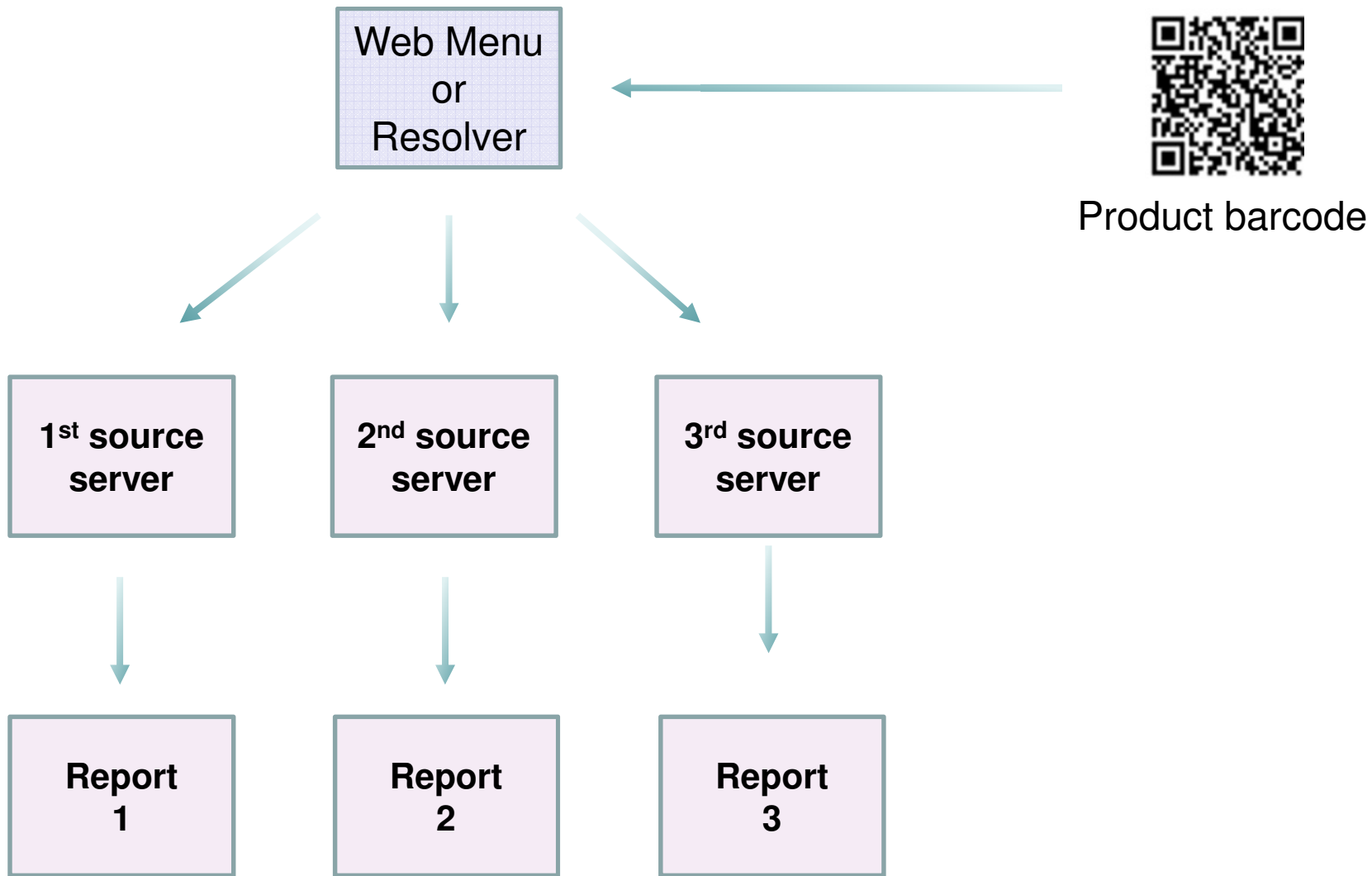
**View certificate**  
(if permitted)

**Linked  
product ID**

**Accreditation  
information**







# Guiding principles - as we move to a digital trade environment

- ✓ Accessing conformity data **directly from trusted sources**
- ✓ Robust links to **global mutual recognition** arrangements
- ✓ Reliable linking of conformity data to **physical supply**
- ✓ Leveraging global data standards as an **enabling mechanism for traceability**
- ✓ Provision for **selective redaction** of sensitive data

# Introducing a 'demonstrator' platform



[sandbox.conformity.id](https://sandbox.conformity.id)

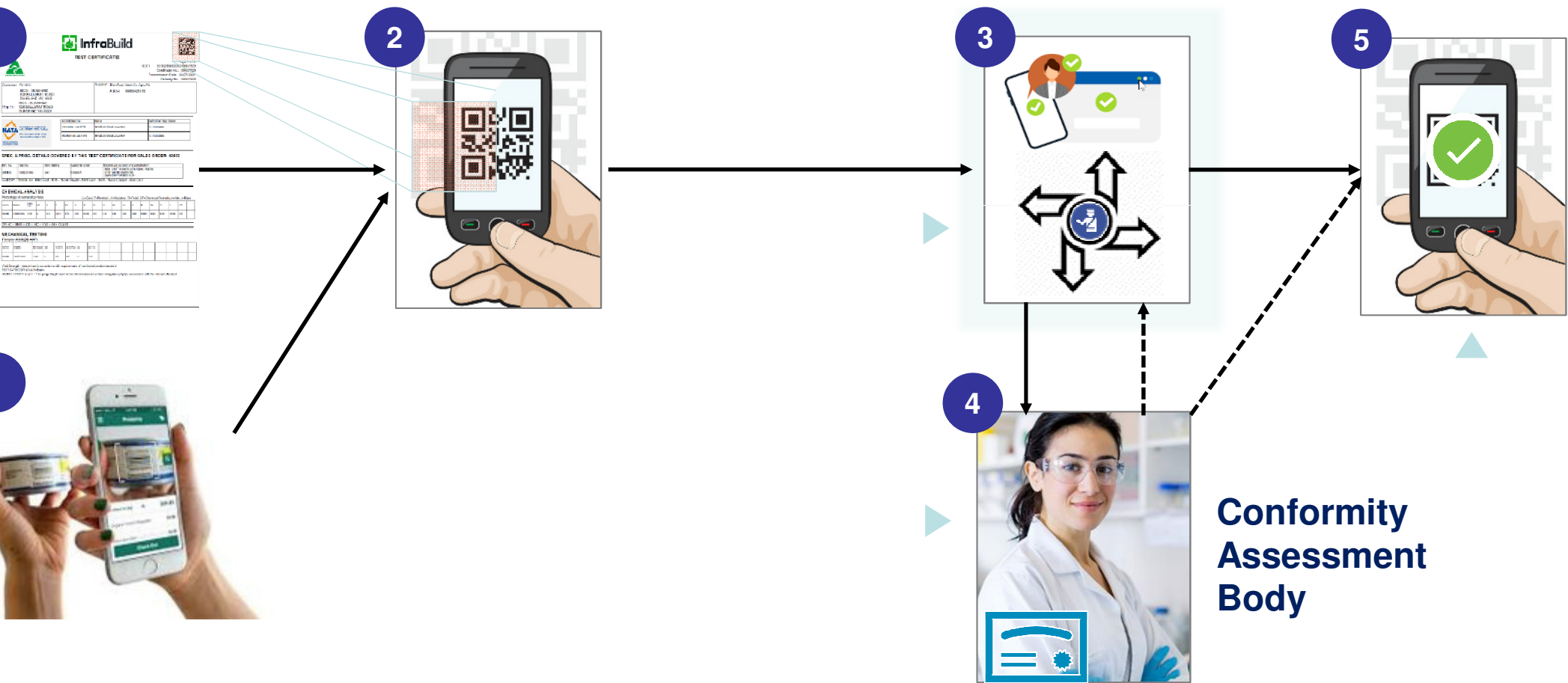
## Acknowledgements



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Energy and Resources**

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# Conceptual framework



# Scenario:

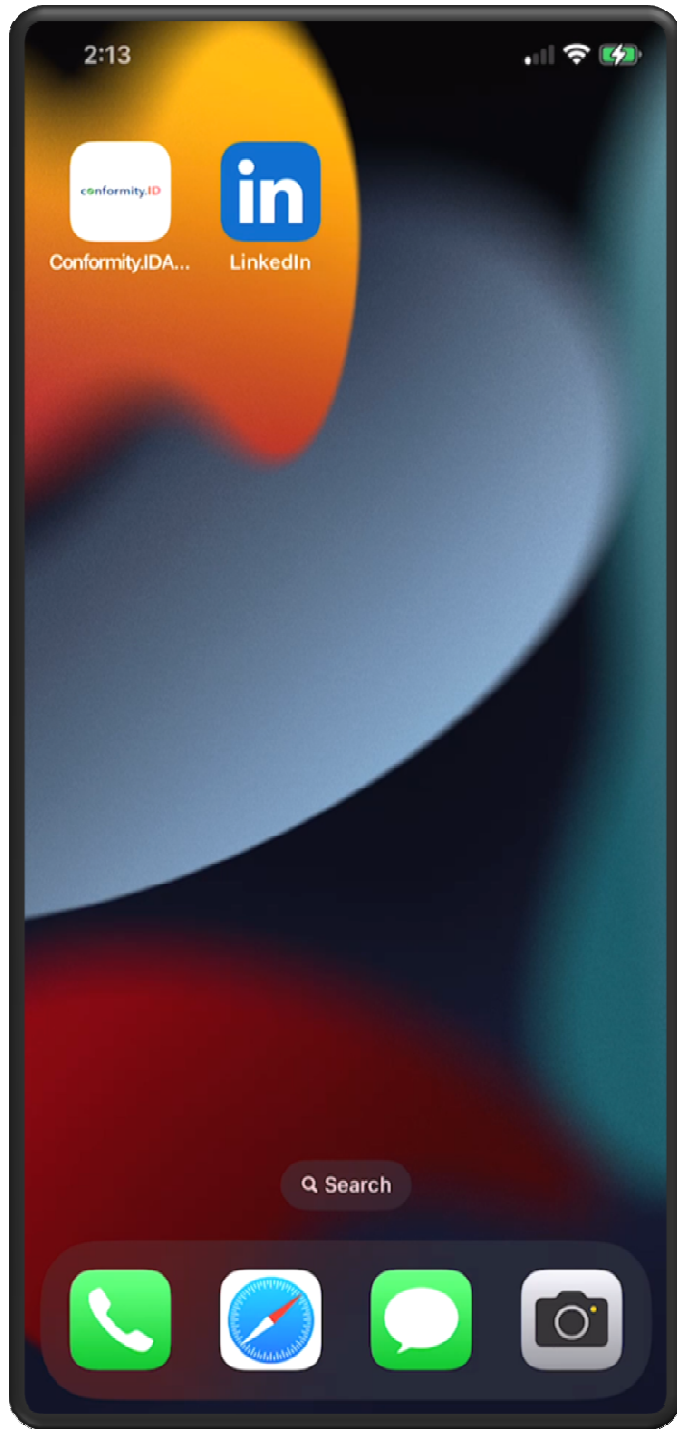
I have a certificate and  
I want more information





(Try reading it with your phone)





In this scenario:

**Test Report** with a barcode that carries a digital link.

Brings the user to a page where the user can examine its details, with a color-coded summary of findings on areas of interest:

- Status
- Accreditations
- Scope
- Associations

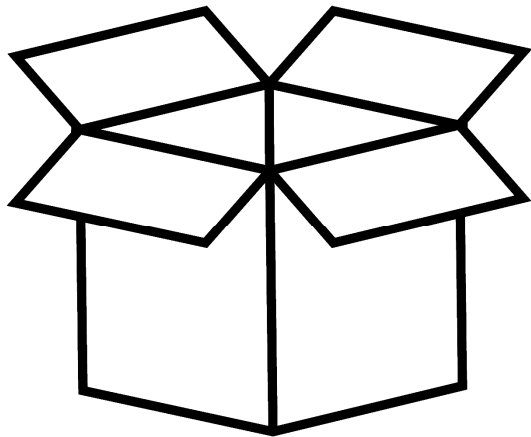
Additional details are offered in each area.



**Scenario:**

**I have a product and**

**I want to find certificates**



GTIN:

Lot:  Serial:

**Submit**



## Search Results

### This is what we found!

There are 10 declared relationships of certificates in Conformity.ID with to the identifier you provided (GTIN 99316266014168). They are listed below, grouped according to certificate status and relationship to the identifier.

#### Certified Product: 1

- Certificate GDTI: 9312345678907PCACRS0000031102**  
Certificate Type: Product Certification  
Certified by: Australasian Certification Authority for Reinforcing and Structural Steels

[\[Explore this certificate\]](#)

Certificate is at the source

According to our records, the certificate identified by GDTI 9312345678907PCACRS0000031102 is a Product Certification issued by Australasian Certification Authority for Reinforcing and Structural Steels Ltd on 1 January 2023. [\[More details\]](#)

**This certificate is current**

[\[More on certificate status\]](#)

**No issues found regarding accreditation status**

[\[More on accreditation status\]](#)

**No issues found regarding scope details**

[\[More on scope details\]](#)

**3 associations identified, no issues found**

[\[More on associations\]](#)

Summary & authoritative verification

Direct link if available

[\[link\]](#)

#### Further Information

Australasian Certification Authority for Reinforcing and Structural Steels Ltd has provided a [\[link\]](#) regarding this certificate, access to which is dependent on the permission rules set by the certificate issuer. For more information on this certificate, contact Australasian Certification Authority for Reinforcing and Structural Steels Ltd at [info@steelcertification.com](mailto:info@steelcertification.com) or 0299657216. [\[Less information\]](#)

steelcertification.com/Certificates/Webpdfs\_current/31102.pdf

**2023**  
VALID TO 31 DEC

**ACRS**  
PRODUCT CERTIFICATION  
www.steelcertification.com

Australasian Certification Authority  
for Reinforcing and Structural Steels Ltd

**CERTIFICATE OF PRODUCT PERFORMANCE**

Certificate Number: **31102**

**InfraBuild**  
INFRABUILD STEEL  
LAVERTON, VIC, AUSTRALIA

has satisfied the Authority that it complies with the rules of the ACRS Product Certification Scheme, and the relevant ACRS Quality and Operations Assessment Procedures. Where appropriate, and as listed below, it has further satisfied the Authority that it manufactures and/or supplies products that conform with the standards listed below, and is entitled to use the ACRS mark in relation to the products listed on this certificate.

**SCOPE OF CERTIFICATION**

**Reinforcing Bar Manufactured in straight lengths to AS/NZS 4671: 2019**

Products listed on this Manufactured Product certificate may be relied upon as having the benefit of ACRS Product Scheme certification after any subsequent processing only if cut, or bent, or welded by an ACRS certified processor. For Approval of processed reinforcing bar, refer to the bar processor's ACRS Fabricated Product certificate.

Full details of the products for which certification has been achieved should be viewed at: [www.steelcertification.com](http://www.steelcertification.com)

By authority of   
ACRS Board: **Andrew Wheeler, Executive Director**

Issued: 1 January 2023 Valid until: 31 December 2023

First certified: November 2003

**JAS-ANZ**  
www.jas-anz.org/register

This document is uncontrolled when printed  
View original at [www.steelcertification.com](http://www.steelcertification.com)

1 of 2

**InfraBuild**  

ACRS CERT NO. 31102  
QST AS/NZS 4671-500N

**Deformed Bar 24x15000mm**

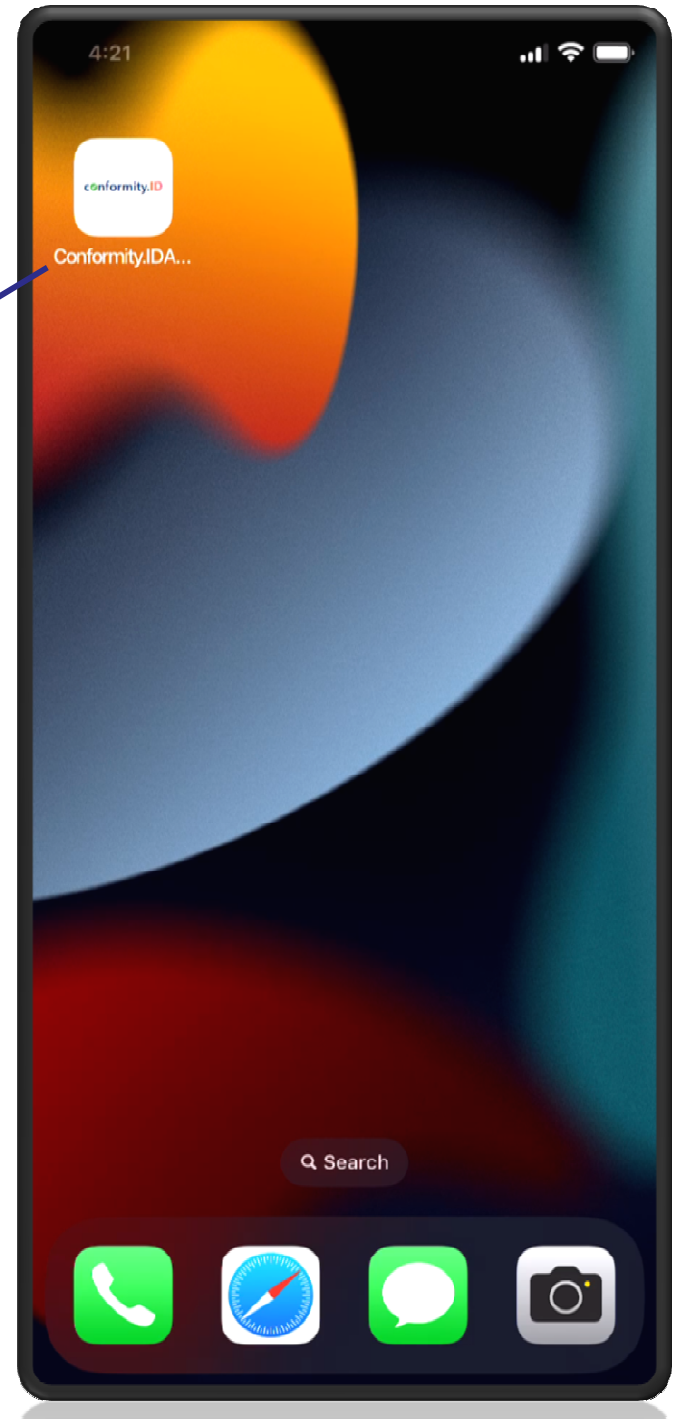
UNIT ID: **1613802680** COUNT **54**  
HEAT: **1600231688** INDIC. MASS **3.002t**  
GTIN: 99316266014168  
Item: 98081



(01)99316266014168(21)1613802680

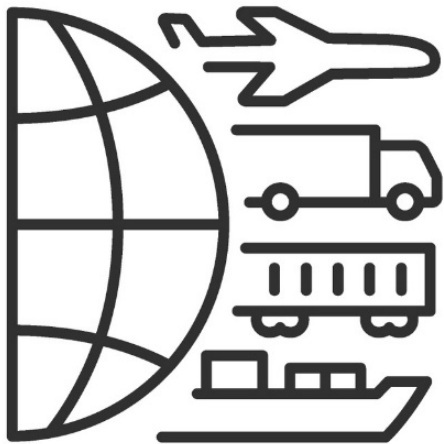
**Special** app to scan regular barcodes and find certificates

**Regular** 1D barcode with the product's GTIN and serial



# Scenario:

I have a delivery notification  
and I want to find certificates





Delivery Document 80057629



**SOLD TO**

IBR - SUNSHINE  
528 BALLARAT ROAD  
SUNSHINE VIC 3020  
AUSTRALIA

**SHIP TO**

IBR - SUNSHINE  
528 BALLARAT ROAD  
SUNSHINE VIC 3020  
AUSTRALIA

**Sales Order** 40470  
**Customer PO No.** 556626  
**Customer Account No** PL 1R13  
**Despatch Date** 06/07/2021

**Sales Person**  
**Email**  
**Telephone**  
**Carrier** K & S FREIGHTERS  
**Rego**

**Delivery Notes**

Item	SO / Item	Material	GTIN	Description	Quantity Delivered	Sales UOM	Weight (KG)	
000010	40470/100	10001844	99316266014168	24 MM DEFORMED BAR 500N (QST AS/NZS 4671-500N) 15.00M	0	TO	25,380	
				<b>Batch</b>	<b>Quantity</b>	<b>UOM</b>	<b>Weight</b>	<b>Heat No.</b>
				1613802688	0	TO	2,780	1600231688
				1613802687	0	TO	2,830	1600231688
				1613802686	0	TO	2,880	1600231688
				1613802685	0	TO	2,830	1600231688
				1613802680	0	TO	2,740	1600231688
				1613802689	0	TO	2,780	1600231688
				1613802692	0	TO	2,680	1600231688
				1613802683	0	TO	3,085	1600231688
				1613802684	0	TO	2,775	1600231688
<b>Total Weight (KG)</b>							25380.000	

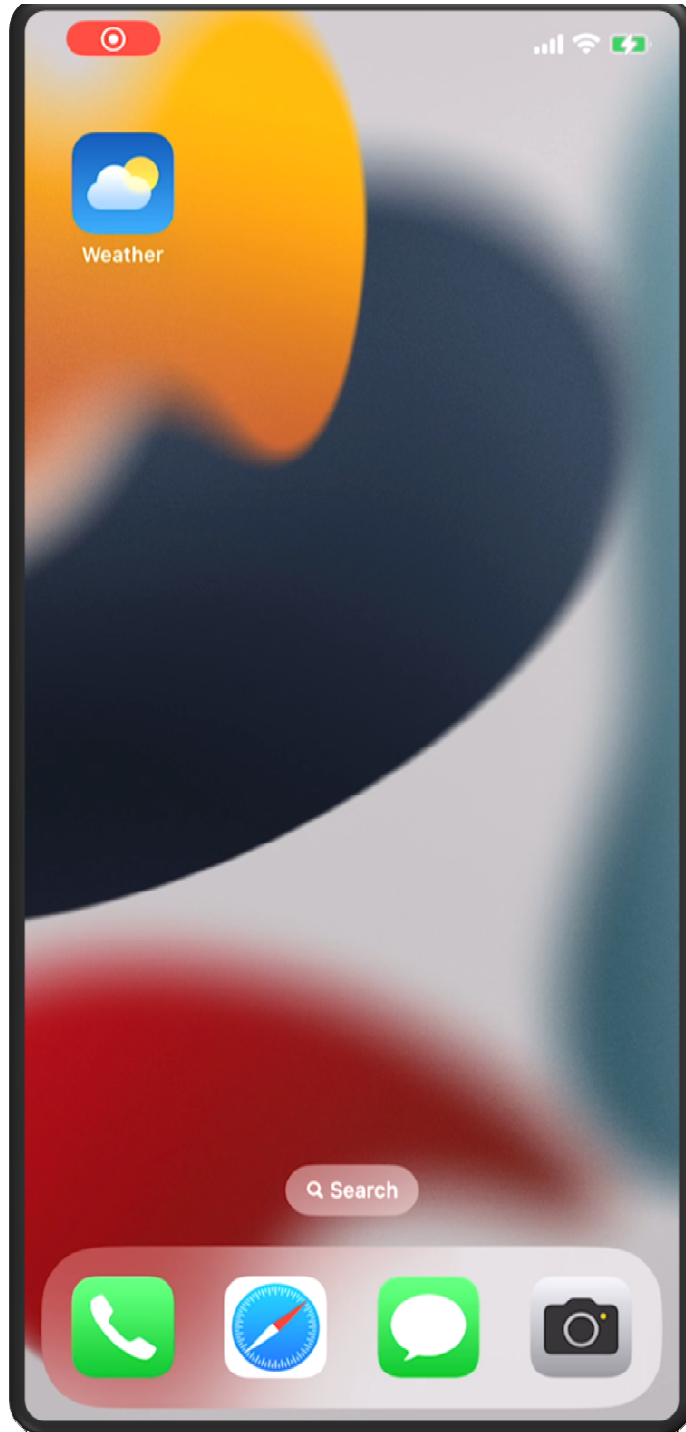


**Looking for certificates?**  
Scan this 2D barcode to find certificates associated with SSCC 093162660141681233

\* Barcode added for demonstration purposes

(Try reading it with your phone)





In this example:

**Delivery Document** has a barcode carrying a digital link.

Brings the user to a list of certificates associated with that delivery.

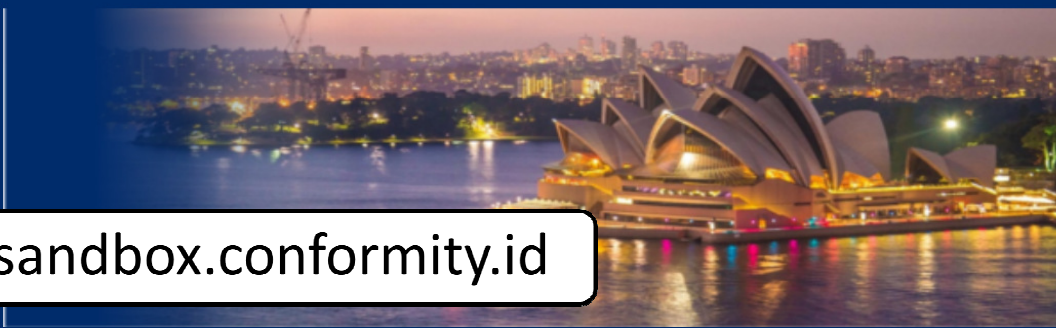
In the example, the user can examine the details of two certificates found, each with a color-coded summary of findings on areas of interest.

For one of them, the user can navigate directly to a digital copy of the certificate hosted at the source entity.

# Welcome!

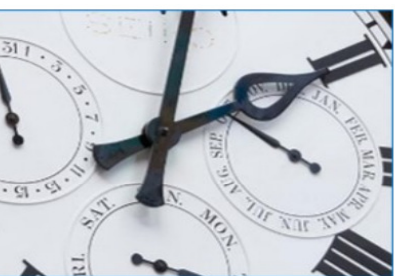
Welcome to Australia's own digital platform for finding certificates or verifying their conformity and accreditation details.

 [sandbox.conformity.id](https://sandbox.conformity.id)



## conformity.id? No worries, mate!

For first time using this platform, we invite you to watch two introductory videos that we prepared with you in mind. They will get you up and running in no time!



What is conformity.ID?



How to use conformity.ID



### Looking for a certificate?

**We can help you find it!**

We can help you find certificates – issued by conformity.ID participants – associated with products, shipments, entities, locations or assets of interest, for which you have an identifier.

[Click here](#) to look for certificates



### Do you have a certificate?

**Explore its details here**

If you have a certificate issued by a conformity.ID participant, you can learn more about it by exploring it. With the certificate barcode or GDTI at hand, [click here](#) to explore its details, verify its accreditation status, and much more.

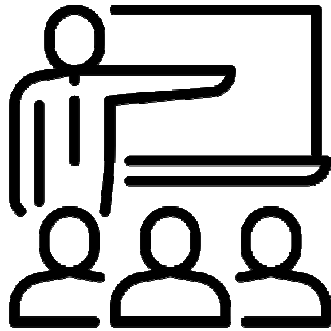


# Conformity.ID

- is a national-interest endeavour, exploring **non-proprietary approaches** to supply chain issues
- helps users **find their way to the source**, rather than trying to centralise certificates
- represents an **entry point for industry participation**, as one step on a longer journey (it is not the destination)
- its architecture is freely offered to any interested Australian government agency

# An industry pilot - steel sector

**Communication with certificate users about the pilot and certificates**



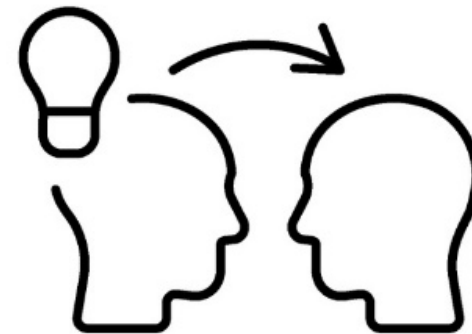
**Register certificates, generating code and issue of certificate**



**Contribute to the workshop discussion about the certificate information**



**Make suggestions to improve and integrate with existing systems**





*Thank you!*

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