



Infrastructure
Sustainability
Rating Scheme

**Welcome to IS v2.1
(DESIGN & AS-BUILT)**

CONTENTS

Welcome	3
Introducing IS v2.1 (Design & As-Built)	4
Using IS v2.1 (Design & As-Built)	12
Supporting the Transition to IS v2.1 (Design & As-Built)	14
Questions and Feedback	18
Thank you	20



Welcome

Hello/Kia ora Infrastructure Sustainability Community in Australia and Aotearoa New Zealand.

The IS Council team and I are excited to introduce you to IS v2.1 (Design & As-Built) – our updated rating scheme.

IS v2.1 (Design & As-Built) brings together world best practice for designing and building sustainable horizontal infrastructure. In response to your feedback, our revised scheme's clearer, more intuitive and more focussed on outcomes. And it recognises the progress the industry's made in recent years to work more sustainably, with new benchmarks, rewards for top performance, and increasingly ambitious targets. (Industry, we salute you!)

Please read on to learn more about IS v2.1 (Design & As-Built): what's new and why, how the updated rating scheme improves on current schemes, and how industry will transition in coming years. We want to make this transition as smooth as possible and this pack explains the support available to you.

Thanks to everyone who's contributed to IS v2.1 (Design & As-Built) – over 700 of you on both sides of the Tasman. The team and I thank you hugely for being so generous with your time and expertise – and for caring about local, national and global communities, environments and businesses.

Patrick Hastings
Chief Operating Officer

Naku te rourou nau te rourou ka ora ai te iwi (te reo Māori)
With your basket and my basket the people will live (Māori language)



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Introducing IS v2.1 (DESIGN & AS-BUILT)

IS v2.1 (Design & As-Built)

INFORMATION SHEET



IS v2.1 (Design & As-Built) updates the Infrastructure Sustainability Council's world-leading ratings scheme.

Credible, repeatable sustainability performance assessments



IS v2.1 (Design & As-Built) reflects and rewards the progress industry has made and drives further progress

- Latest benchmarks
- Stretch targets
- Top performance recognised



Thanks to everyone who contributed their expertise to help us produce IS v2.1 (Design & As-Built)

- Created by industry for industry
- 180 stakeholder groups, 700+ stakeholders
- 1,600+ items of feedback
- Extensive testing



IS v2.1 (Design & As-Built) is clearer, more intuitive and outcomes-focused

- Clearer performance requirements
- Greater focus on outcomes
- Industry best practice
- Reduced administrative burden



Our members will move to the new rating scheme over coming years

- IS v2.1 (Design & As-Built) on display: 2 August
- Voluntary registrations: 1 September
- New ratings: IS v2.1 replaces IS v2.0
- Continuing support for current IS v1.2 ratings



IS v2.1 (Design & As-Built) ensures all infrastructure delivers cultural, social, environmental and economic benefits

- Better for people, the planet and business



We'll help our members move to the new rating scheme smoothly

- Training, workshops, webinars, videos, guides and case studies (July 2021+)
- Support from our IS Council team

For More Information



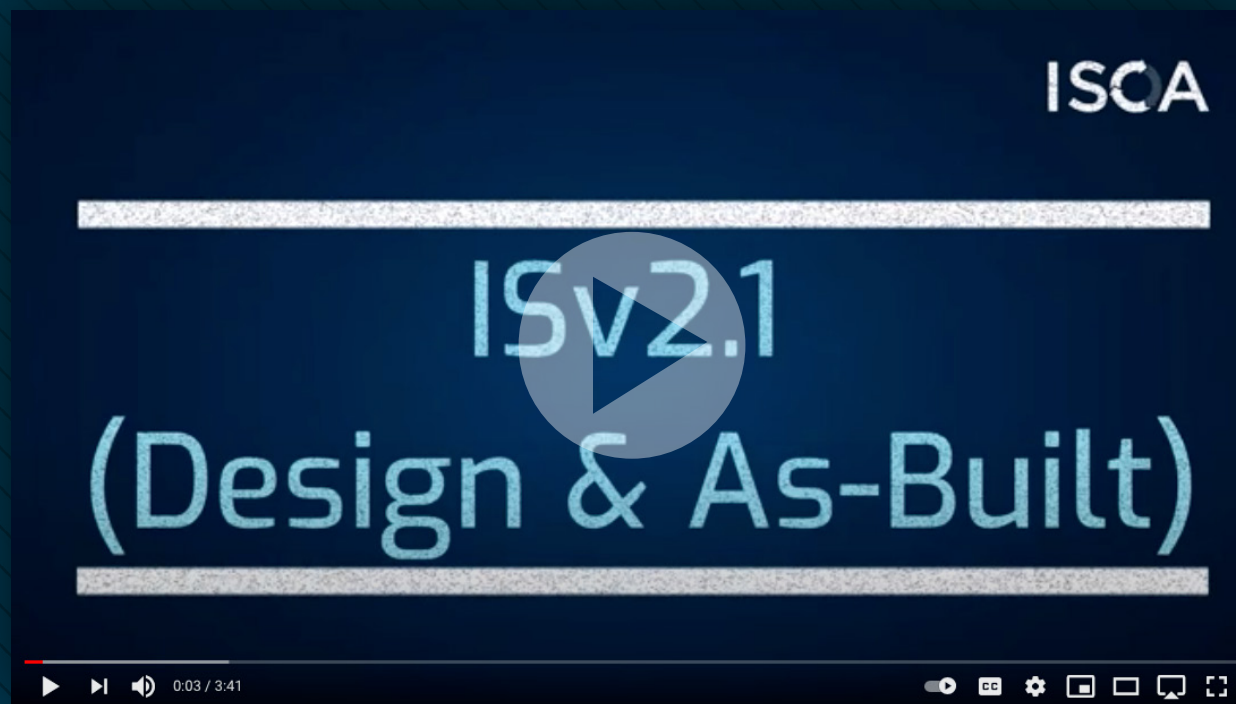
<https://www.iscouncil.org/is-v2-1/>



info@iscouncil.org

An introduction to IS v2.1 (Design & As-Built)

Check out our short video to learn more about
IS v2.1 (Design & As-Built).



Introducing IS v2.1 (Design & As-Built)

Q1 Why does the IS Council offer an IS rating scheme?

We want to make infrastructure more socially, culturally, environmentally and economically sustainable.

A rating scheme helps us do this:

1. It gives designers, builders, owners, operators and investors **guidance** to help them make decisions that achieve the best sustainability outcomes for the infrastructure they design, build, run and fund.
2. It provides **evidence-based assessments and verification** to ensure they are meeting the required standards.
3. It encourages practitioners to **share best practice** and learn from one another.

Q2 What's IS v2.1 (Design & As-Built)?

It's our updated, improved IS rating scheme.

Like our earlier IS rating schemes, IS v1.2 and IS v2.0, IS v2.1 (Design & As-Built) is an inter-connected system of themes, categories and credits that together promote best practice planning, design, building and operation for horizontal infrastructure. (See the diagram below.) This information comes together in our **technical manual**, plus a suite of templates and guidelines that help practitioners put the IS scheme into action on their projects.

Q3 What does IS v2.1 (Design & As-Built) 'look like'?

These are the inter-connected themes and categories that make up IS v2.1 (Design & As-Built).

IS v2.1			
Governance	Economic	Environment	Social
Place	Options assessment	Energy & carbon	Stakerholder engagement
Leadership & management	Benefits	Environmental impacts	Legacy
Sustainable procurement		Resource efficiency & management	Heritage
Resilience		Water	Workforce sustainability
Innovation		Ecology	

Why we reviewed our rating scheme

Q4 Why did we review our rating scheme?

The industry has made good progress in recent years improving sustainability outcomes and we wanted to reflect and reward this progress. So we've:

- incorporated the latest benchmarks in our updated rating scheme
- ensured our ratings continue to recognise and reward best practice.

Secondly, we wanted to help industry increase their impact. Our new stretch targets will drive stronger social, cultural, environmental and economic benefits.

Thirdly, we wanted to respond to industry's requests to make the scheme more focussed on outcomes and easier to use, and to reduce administrative burden. IS v2.1 (Design & As-Built) achieves all these aims.

Q5 What has the review involved?

We've reviewed every aspect of IS v2.0, and made changes in every category. These changes vary in nature and size and they take several forms. Some are **content** changes. For example, IS v2.1 (Design and As-Built) increases ISAPs' focus on working with indigenous people and engaging with stakeholders affected by environmental impacts. It also introduces some new terminology and thresholds for significant decisions.

Some improvements are **process** changes. For example, IS v2.1 (Design and As-Built) increases the focus on outcomes and reduces some evidential burdens.

Other improvements involve clearer wording and combining or splitting credits.

Q6 What sort of changes can we expect from here?

We're moving to continuous improvement. So expect to see regular, incremental changes from here.

Improvements we've made

Q7

How does IS v2.1 (Design & As-Built) improve on our existing systems, IS v1.2 and IS v2.0?

The updated IS rating scheme reflects and rewards the progress the industry continues to make. IS v2.1 includes the latest benchmarks and industry practice, and recognises top performance.

The IS v2.1 (Design & As-Built) rating scheme also helps ISAPs increase their sustainability impact, with stretch targets that drive stronger social, cultural, environmental and economic benefits.

Finally (and importantly) the scheme makes it easier for practitioners to design, build and run sustainable infrastructure. IS v2.1 (Design & As-Built) contains clearer, simpler performance requirements which focus on outcomes (results) rather than process (how to achieve those results). These features make IS v2.1 (Design & As-Built) easier for practitioners to use and reduce administrative burden involved in using a rating. They also make it easier for assessors and verifiers to assess different projects consistently.

Q8

How has our ratings scale changed?

We've expanded our ratings scale to better recognise projects that truly stand out. Our IS v2.1 (Design & As-Built) scheme recognises five levels of performance: Bronze, Silver, Gold, Diamond, Platinum. Earlier schemes recognise only three levels: Commended, Excellent, Leading.

Who's been involved

Q9

Who's been involved in this work?

A large number of talented people. They include:

- IS Technical Team - team of respected technical experts. They're all industry practitioners.
- More than **700 industry practitioners and experts in local and central government** who have provided feedback and helped us test IS v2.1 (Design & As-Built).

Q10

Why is this important?

Involving industry practitioners means that IS v2.1 (Design & As-Built) has been designed by industry for industry. It reflects latest industry best practice and ways of working, and sets strong targets to keep improving.

The expertise of our IS Council team has been important too. Our team has reviewed every piece of feedback (that's 1,600 pieces!) and used it to create IS v2.1 (Design & As-Built). The result is a ratings scheme built on a partnership – IS Council and industry working together.

What our stakeholders are saying

Q11 What are government agencies saying about the new IS v2.1 (Design & As-Built)?

Western Australia and New Zealand have confirmed that they will be using IS 2.1 (D & AB) as soon as it is available. We are currently working with other Australian states to confirm their approach.

Q12 What are industry members saying about the new IS v2.1 (Design & As-Built)?

We have had a lot of positive feedback from industry and many ISAPs are looking forward to working with IS v2.1 (Design & As-Built). Naturally, there are some questions and concerns about how industry will adapt current processes and systems to use the updated rating scheme, and what this will mean for projects that are already underway. These are important questions which we are working through.

What's happening?

Q13 What's happening when?

The IS v2.1 (Design & As-Built) technical manual is now available. Voluntary registrations will be open from 1 September 2021.

Please see section **Supporting the transition to IS v2.1 (Design & As-Built)** for information about transition dates and support.



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Using IS v2.1 (DESIGN & AS-BUILT)

Our IS v2.1 (Design & As-Built) Technical Manual

Our IS v2.1 (Design & As-Built) technical manual brings together the credits that promote best practice planning, design, building and operation for horizontal infrastructure in Australia and Aotearoa New Zealand.

View the technical manual (Design & As Built) here:

<https://www.iscouncil.org/is-v2-1/>

IS v2.1 Guidelines

We will supplement the manual with technical guidelines in coming weeks.



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Sustainability
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Supporting the transition to IS v2.1 (DESIGN & AS-BUILT)

Transitioning between different rating schemes

Q14 When will ISAPs move to the new IS v2.1 (Design & As-Built)?

ISAPs will move to the new rating system in coming years:

- IS v2.1 (Design & As-Built) opens for voluntary registrations on 1 September
- IS v2.1 replaces IS v2.0 for new ratings
- We will continue to support current IS v1.2 ratings

Q15 When do the new IS ratings start?

1 September 2021. From this date, all projects that register for an IS rating will use IS v2.1 (Design & As-Built).

Q16 Will all projects on existing rating tools have to move to IS v2.1 (Design & As-Built) from September?

No, we're releasing IS v2.1 (Design & As-Built) for voluntary use. The IS Council is working with central and state governments in Australia and Aotearoa New Zealand to identify a suitable timeframe for IS v2.1 (Design & As-Built) to replace IS v2.0. We will continue to fully support ISAPs using IS v1.2. You will not have to transition.

Q17

What do practitioners do if they are delivering an IS v1.2 project?

ISAPs can continue to use IS v1.2. However, we encourage you to review the IS v2.1 (Design & As-Built) Technical Manual and, where appropriate, to undertake some IS v2.1 credits as an 'innovation challenge'. An innovation challenge is an opportunity to learn about latest best practice and to reach some stretch sustainability targets.

Q18

What do practitioners do if they are delivering an IS v2.0 project?

ISAPs can continue to use IS v2.0 at this stage. However, we encourage you to review the IS v2.1 (Design & As-Built) Technical Manual. We also recommend you talk to your IS Project Manager to decide the most appropriate approach for your project.

Learning

Our IS Council team want to make it as easy as possible for ISAPs to use IS v2.1 (Design & As-Built). Our tailored learning programmes will help.

Are you familiar with IS v2.0? Then sign up for our IS v2.1 (Design & As-Built) e-learning module and facilitated workshop.

[**Click here**](#)

Webinar series

(sponsored by Mott MacDonald)

We're hosting three short webinars featuring different aspects of IS v2.1 (Design & As-Built). The sessions are interactive and include plenty of time for questions.

We're excited to welcome Mott MacDonald as sponsors. The Mott MacDonald team recently achieved a gold IS v2.0 certification for the AUD354.3m Regency Road to Pym Street Project (R2P) in South Australia.

The team has generously shared their independent learnings and experience to help the IS Council develop the IS v2.1 rating scheme. Now, in these webinars, they're sharing their insights with members.

These are the webinar sessions:

- Wednesday July 21
(now on our website)
- Wednesday August 18,
12:30 to 1:30 PM (AEST)
- Wednesday September 8,
12:30 to 1:30 PM (AEST)

[Register Now](#)



Questions and Feedback

Your questions and feedback

We welcome your questions and feedback. In the spirit of continuous improvement, we'll use your feedback to make regular updates to IS v2.1 (Design & As-Built) after it opens for registrations in September 2021.

Please:



Contact your IS project manager if you have one



Call us on **+61 2 9252 9733**



Email us at info@iscouncil.org



And, if you haven't already, [follow us on our LinkedIn page](#) and comment on our posts.



Thank you

Our contributors

Thank you to everyone who's contributed their time and expertise over the past three years to produce the IS v2.1 (Design & As-Built) rating scheme. Over 700 stakeholders have contributed feedback, and our IS Council technical team (all industry practitioners) have considered every piece (that's 1,600 items!)

Together we're helping our members design, build, run and fund infrastructure that delivers social, cultural, environmental and economic benefits.

Members of the ISC Technical Advisory Panel

Frontier Economics
Losee Consulting
Inxure Consulting
Beca

Members of the Contractor Working Group

Laing O'Rourke
BMD Group
CPB Contractors
ACCIONA
Mott MacDonald
John Holland
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Individual contractors

Lendlease
Downer

Members of the Sustainable Materials Advisory Panel

BlueScope
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GECA

Proponents

Department of Transport and Main Roads
Transport for NSW
North East Link
Major Projects Canberra
Waka Kotahi
Major Road Projects Victoria
Main Roads Western Australia
Level Crossing Removal Project
Sydney Metro

Assessors

McConnell Dowell
Mott Macdonald
Upthink
GHD
Coffey Services Australia
Contaminated Land Solutions
Losee Consulting

v2.0 credit authors

AECOM
PlanitWell
GHD
Niche Environment and Heritage
Losee Consulting

IS v2.0 pilot projects

Armadale Road to North Lake Road Bridge Project
Westport
Chisholm Road Prison Project
Ocean Reef Marina
Tonkin Grade Separated Interchanges – Roe Highway to Kelvin Road
Mitchell Freeway Extension – Hester Avenue to Romeo Road
Albany Ring Road
Manuwarra Red Dog Highway
Swan River Crossings
Tonkin Highway Extension
Great Eastern Highway Bypass Interchanges
Tonkin Highway Gap Project
Morley-Ellenbrook Line
Stephenson Avenue Extension

IS v1.2 projects which trialled the IS v2.0 credits

RPV – Ballarat Line Upgrade
Sydney Metro city and Southwest TSE
Bruce Highway Deception Bay Rd Interchange Upgrade
Regional Rail Fleet Project – Dubbo Maintenance Facility
Bruce Highway Upgrade (Caboolture to Steve Irwin Way)
M1 North- Sports Drive to Gateway Motorway
Watland Street to Sports Drive
M1 Pacific Motorway Upgrade Varsity Lakes to Burleigh
M1 Pacific Motorway Upgrade Palm Beach to Tugun
M1 Pacific Motorway Upgrade Burleigh to Palm Beach