

What does the SA IPP Section 5 require fabricators to do and how this reduces builder/contractor risk



Alan Nightingale

General Manager, Steelwork Compliance Australia (SCA)

Email me: alann@scacompliance.com.au

The outcomes:



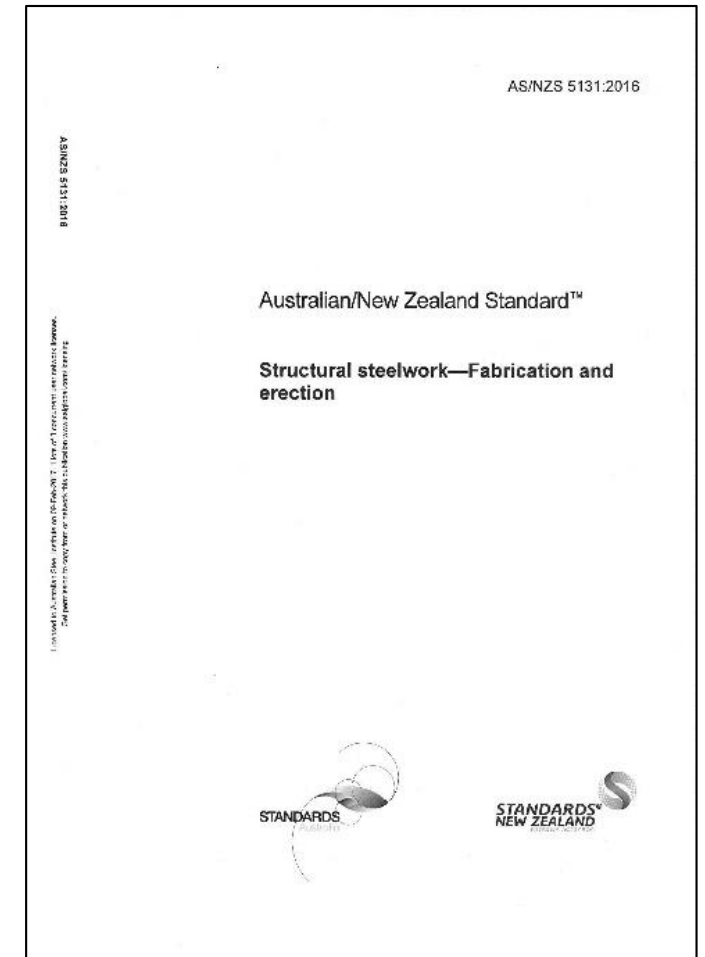
The NSSCS will:

- Reduce builder risk with competent prequalified fabricators
- Provide a cost-effective solution to prequalification
- Reduce the time and cost of rework
- In time, become a 'national technical prequalification scheme'

What does the SA IPP require?:



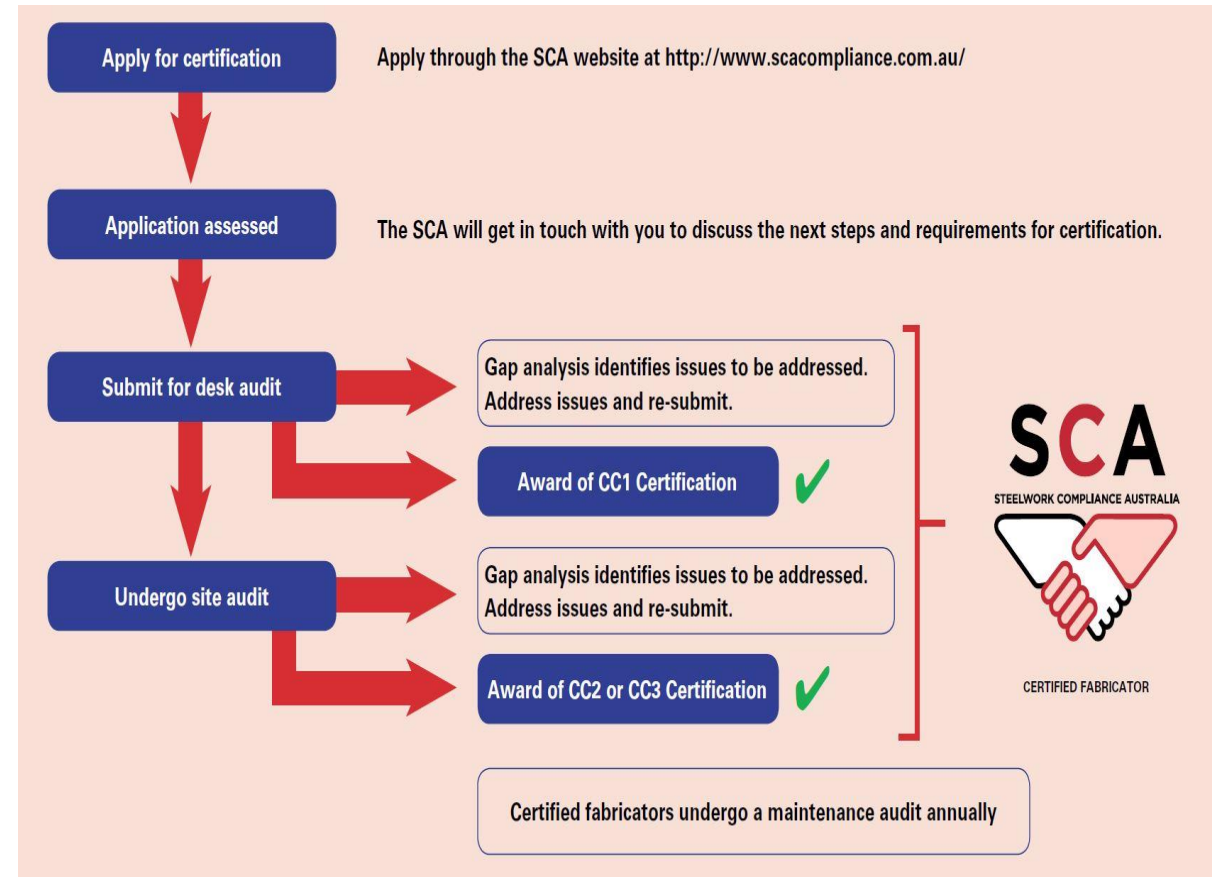
- The SA IPP requires fabricators to be certified to the National Structural Steelwork Compliance Scheme (NSSCS)
- Fabricator certification = Steelwork Compliance Australia SCA auditing the fabricator for capability
- Auditing is undertaken against AS/NZS 5131 – ‘Structural Steelwork – Fabrication and erection’



What does fabricator certification involve?:

Certification involves:

- Individual Facilities
- Application Assessment.
- Stage 1 (Desktop) Audit (250 questions, typically yes/no answer required, upload key documentation and records). CC1 can stop here
- Stage 2 (Site) Audit (for CC2, CC3)
- Annual Surveillance Audits
- Re-certification every 3 years
- Special Audits



The fabricator required competencies:



- The necessary skills , systems and procedures in place at the level the Construction Category dictates;
- Management systems to ensure that specified procedures are followed;
- Procedures and demonstrated evidence for ensuring traceability of materials;
- Procedures and skill sets to prepare, assemble and fabricate components;
- Welding skills, processes , equipment and qualifications demonstrated to meet welding standards;
- Knowledge and systems for surface treatment and corrosion protection;
- An understanding of architectural requirements (AESS);
- Knowledge of site erection, safety and bolting requirements.

This provides the builder with confidence in risk minimised outcomes

Who is Steelwork Compliance Australia (SCA)?:



SCA Manager – Alan Nightingale



Civil Engineer

Involved in fabrication for over 40 years

**Counsellor to Australian Institute of Steel
Construction (now the ASI)**

Newsteel / Allco Steel (GM)

ABB Engineering Construction (GM)

Clough Engineering (GM)

Cleveland Bridge (UK and Europe) (MD)

RCR Tomlinson (GM)

The Scheme is supported by competent experienced personnel

The benefits for builders:

- Avoids the cost of setting up an in-house fabricator quality capability assessment team
- Provides an assessor with intimate knowledge of steelwork fabrication
- Gives the ability to nominate a fabricator for which the builder can request assessment
- Is fit-for-purpose based on risk assessment – therefore cost effective
- Provides a mechanism to feedback project outcomes and request special fabricator assessment
- Reduces the cost of rectification and rework, utilising fabricators proven to meet the minimum requirements of Australian Standards
- Frees up your valuable personnel to focus on project issues they are actually trained for

Building & planning

National Steelwork Compliance Scheme

with John Gardner, Australian Steel Institute

The new Australian Standard AS/NZS 5131 for fabrication and erection of structural steelwork was released in December last year. This standard helps to improve quality and compliance outcomes and gives greater certainty when constructing steel structures.

AS/NZS 5131 underpins Australia's first compliance scheme dedicated to structural steelwork fabrication and erection, which was developed progressively and in parallel to the new Standard.

By independently assessing the capability of steel fabricators against the requirements of specific classes of project, the new National Structural Steelwork Compliance Scheme (NSSCS) helps to ensure that what is designed is ultimately what is erected on site to the quality and safety standard the community expects.

The Australian Steel Institute (ASI) is a peak industry body representing the entire Australian steel supply chain. ASI looked to best practice models of similar certification schemes operating in places like the USA, Canada, the EU and UK, where the use of structural steelwork in major building projects is more prevalent.

Under the NSSCS, steel fabricators are audited and certified by independent body, Steelwork Compliance Australia (SCA) to 'construction categories' that link back to structure importance levels in the National Construction Code (NCC).

Certification to the construction categories is a technical prequalification scheme that should over time result in enormous efficiencies in the tendering process for procurers and fabricators.

NSSCS-certified fabricators are already operating in most Australian states, as the SCA has been able to assess them against the ASI Structural Steelwork Fabrication and Erection Code of Practice (CoP), which was the precursor to AS/NZS 5131.

Also new is the National Structural Steelwork Specification (NSSS) – a tool that engineers, specifiers and procurers will use on their projects. In combination with Natspec (which is aligning its specifications to AS/NZS 5131), it's anticipated that this standard specification will become the default across the industry – leading to greater efficiencies on projects.

For more information or to download a guide specifically for builders, visit the ASI website at steel.org.au or contact ASI Queensland Manager, John Gardner at johng@steel.org.au

To view a list of certified fabricators go to the SCA website at scacompliance.com.au

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Thank you

Questions?

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Torrens to Torrens interchange – world class awarded steel infrastructure