SS EN 1090-1 & 2 :2018

Execution of Steel structures and Aluminium structures

SS EN 1090 was published in June 2018 but was officially launched by Singapore Accreditation Council (SAC) and Building Construction Authority (BCA) in January 2019

- The standard is broken down into 2 parts:
  (1) SS EN 1090-1 – Requirements for conformity assessment of structural components
  (2) SS EN 1090-2 – Technical requirements for steel structures

SS EN 1090-1 provides the technical requirements relevant to the manufacture of steel components, while SS EN 1090-2 provides the technical requirements for the execution of steel structures. With SS EN 1090-1 & 2, structural steel fabricators are able to determine their execution classes (there are four execution classes – EXC1 (least onerous) to EXC4 (most onerous)). Each execution class contains a set of requirements for fabrication and erection of steel structures, and these requirements may be applied to the structure as a whole, an individual component or detail of a component.

For execution classes 2, 3 and 4, welding coordination shall be maintained during the exécution of welding by welding coordination personnel. These requirements are specified in ISO 3834 Welding Quality Management System.

Lastly, SS EN 1090 certification is mandatory to all structural steel fabricators – it is a licensing requirement of Specialist Builder for Structural Steelwork (SBSS) and is applicable to both local & overseas steel fabricators operating in Singapore.

FOR WHOM?

All structural steel fabricators in Singapore

THE BENEFITS

- Potential expansion to Europe market
- Increased competitiveness by meeting legal obligations
- Increased customer satisfaction due to standardization of requirements
- Independent confirmation of welding and fabricating staffs' competencies
- Uniform presentation of information and data

CERTIFICATION PROCESS*

CERTIFICATION INSPECTION PROCESS

The initial inspection of SS EN 1090-1 & 2 is a one stage audit. Whereby upon successful completion of initial inspection and closure of any findings, certification will be awarded. The certification validity is valid until the next surveillance inspection due date. Thus, the first surveillance inspection shall be carried out within one year from the initial inspection. If there are no significant changes or corrective actions, the frequency of inspection may be decreased after the initial surveillance as follows:

Execution Class	**Intervals between inspections of manufacturer's FPC after initial surveillance inspection**
EXC 1 and EXC 2	1 – 2 – 3 – 3
EXC 3 and EXC 4	1 – 1 – 2 – 3 – 3

*Note 1 :

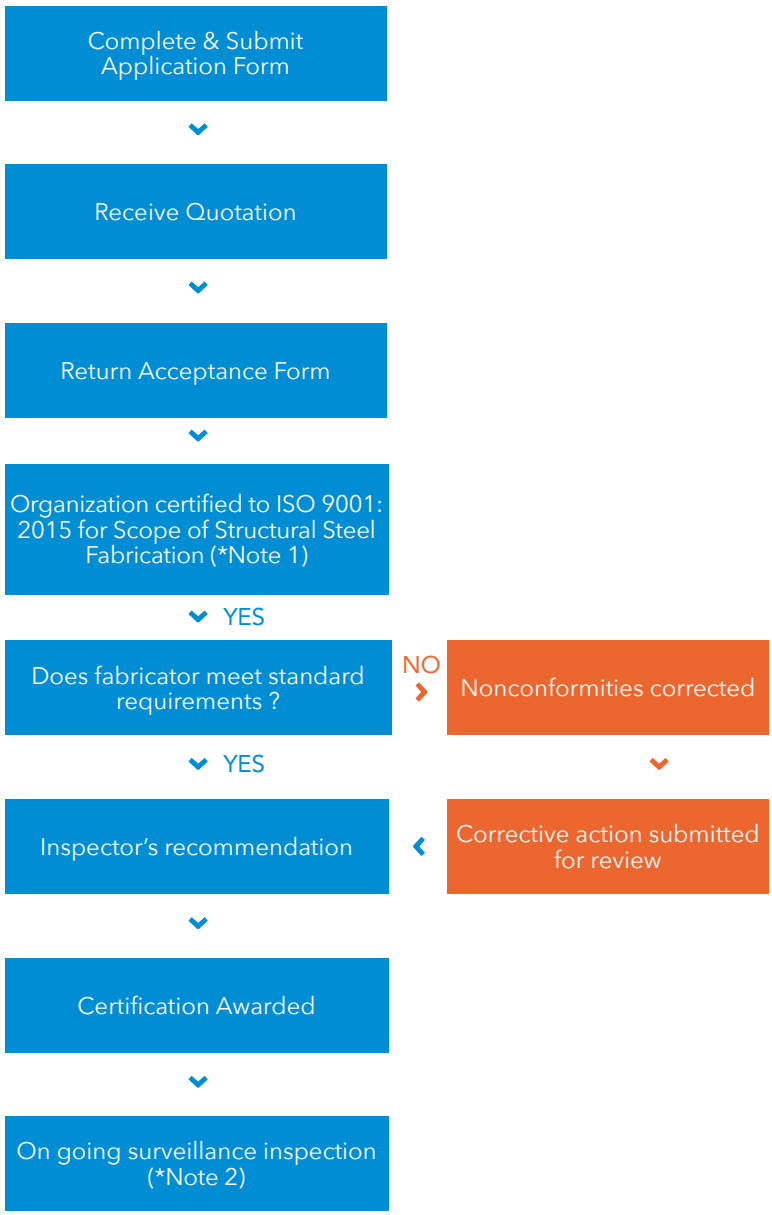
Initial Inspector days will be further reduced for 0.5 day provided the certification audit of ISO 9001 & SS EN 1090-1&2 are carried out together by the same certification body

*Note 2 :

The frequency of ongoing surveillance inspection will be following the requirements from SS EN 1090-1, Annex B, Table B.3.

* No contractual

MANAGEMENT SYSTEM CERTIFICATION AUDITING PROCESS



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