

## MATERIAL MANUFACTURER APPROVAL

ABS Material Manufacturer Approval can be granted to facilities producing ABS Grade and non-ABS Grade steel. Non-ABS grade materials are manufactured to other specifications such as EN, ASTM or other applicable standards or proprietary specifications that may be used for structures and components governed by classification requirements. ABS currently approves more than 200 steel mills worldwide, including 50 steel mills adopting the heightened standards of the ABS Quality Assurance (QA) Program.

### THE BUSINESSES WE SERVE

Our approval process focuses on the primary production facilities in steel mills for castings, forgings, plates, shapes, bars, pipes, tubes and other product forms. ABS also can approve material processing and distribution operations, including material service centers, heat treatment facilities, welding companies and material suppliers.

#### ABS Grades for Steels

Ordinary-strength
Higher-strength
Extra high-strength
Low temperature
Brittle crack arrest
Enhanced corrosion resistance

#### Non-ABS Grades for Steels

Ordinary-strength
Higher-strength
Extra high-strength
Low temperature
High-manganese
Highly ductile



### APPROVAL PROCESS

The ABS Material Manufacturer Approval process requires ABS Engineering to review the steel-making process and qualification of materials, as well as verify the manufacturing

Submit mill  
process and  
production  
information

Submit  
proposed  
qualification  
test plan

ABS  
Engineering  
technical  
review

ABS plant  
survey and  
qualification  
testing  
witnessing

Approval  
(valid for  
5 years)

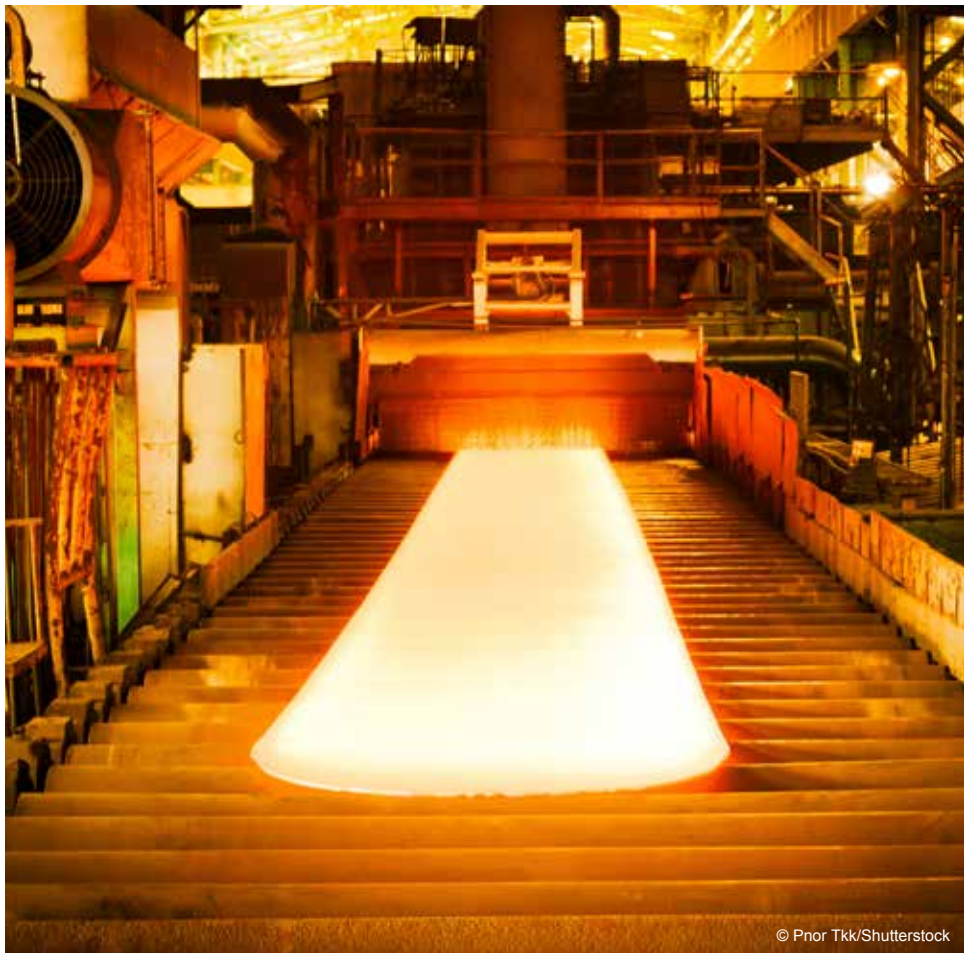
processes through a surveyor-conducted plant audit. Steel mills seeking ABS approval are expected to have ISO or equivalent certification in place.

### **QUALITY ASSURANCE (QA) PROGRAM**

Existing ABS-approved steel mills are eligible for the ABS QA program. Steel mills adopting the ABS QA program receive product certification without the required attendance of an ABS surveyor, with confirmatory audits every six months.

### **EXTENSION AND RENEWAL OF APPROVALS**

ABS-approved steel mills wishing to add additional materials to their approved material listing can request an extension of approval. For renewals, approval is valid for a maximum of five years and the renewal is subject to an audit and assessment of the result of a satisfactory survey from the preceding period.



The ABS Material Manufacturer Approval is built upon a recognized commitment to quality, safety and expertise in rules and standards compliance requirements. Approved Material Manufacturers can be found at [ww2.eagle.org/MaterialsDatabase](http://ww2.eagle.org/MaterialsDatabase).

To learn more, please email [MaterialsHouston@eagle.org](mailto:MaterialsHouston@eagle.org).



#### **WORLD HEADQUARTERS**

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