

**CCS***Circular*

China Classification Society  
 (2010) Circ. no. 40 Total no.40  
 July 12, 2010 (Total of 2 pages)

To relevant departments of CCS Headquarters, plan approval centers, branches (offices), shipyards, shipowners, related testing organizations, designers and product manufacturers

### Survey Requirements for Hull Structural Steels above 100 mm in Thickness

To meet the demands of construction survey of very large container ships and other large structures, CCS has set up the following survey requirements for hull structural steels above 100mm in thickness based on the researches on large thickness steel plates.

1. For normal and higher strength hull structural steels above 100 mm, but not exceeding 150 mm in thickness, the relevant requirements for plates between 70 mm and 100 mm in thickness in Sections 2 and 3 of Chapter 3, PART ONE of CCS Rules for Materials and Welding shall be complied with.
2. Requirement for limit values of carbon equivalent of higher strength hull structural steels produced by thermo-mechanical controlled processing (TMCP) shall be complied with in accordance with the Table below.

#### Carbon Equivalent $C_{eq}$ of TMCP Higher Strength Steel up to 150 mm in Thickness

Grade	Carbon equivalent <sup>①</sup> $C_{eq}$ (%)
	thickness $t$ (mm)
	$100 < t \leq 150$
AH32, DH32, EH32, FH32	$\leq 0.40$
AH36, DH36, EH36, FH36	$\leq 0.42$
AH40, DH40, EH40, FH40	$\leq 0.45$

Note: ① More stringent carbon equivalent is subject to the mutual agreement of the manufacturer and the shipbuilder on a case by case basis.

This Circular is effective immediately.

This Circular is available on [www.ccs.org.cn](http://www.ccs.org.cn) and forwarded by each branch to relevant shipowners, shipyards, related testing organizations, ship designers and product manufacturers within its business area.

Should you have any question during the implementation of the Circulars, please contact:  
Technical Management Dept. of the Headquarters.