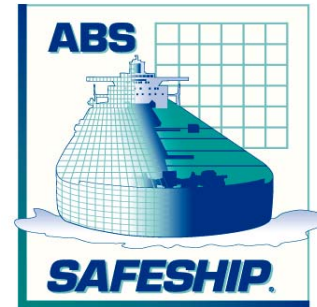


# Release Notes

ABS CSR SafeShip-Bulk Carriers (TSA)  
(Release Version 2007Q1.0 Patch)

(Prepared on August 23, 2007)



The following table details the changes in version 2007Q1.0 Patch:

**Table 1: Changes from version 2007Q1.0 to 2007Q1.0 Patch**

No.	Feature	File	2007Q1.0	2007Q1.0 Patch
<b>Problem Fixes</b>				
1	Load Case Definitions	TKS_GDI.EXE	When ballast hold is not in global FE model, load cases under normal ballast condition in fatigue analysis are missing.	Problem fixed.
2	Library	PHABEB.LIB	When summer load line draft is different from scantling draft, the value of $T_{LC}/T_S$ is wrong. It results in incorrect LCF values for some load cases.	The values of $T_{LC}/T_S$ , and LCF are corrected.  PHASEB.LIB is updated.
3	Loading	JBP_BLN	Problem caused by <a href="#">item 2</a> above.	Program is re-compiled by linking to updated PHASEB.LIB.
4	Ballast Loading	JBP_BAL	1) Problem caused by <a href="#">item 2</a> above. 2) Did not set default value for DYN in static case.	1) Program is re-compiled by linking to updated PHASEB.LIB. 2) Default value is set.
5	Bulk Loading	JBP_BLK	Problem caused by <a href="#">item 2</a> above.	Program is re-compiled by linking to updated PHASEB.LIB.
6	Wave Loading	SEA_LOAD	For some FE meshes, the program cannot find frame locations correctly.	Problem is fixed.
7	Evaluation	INY_BK2	Clamped boundary is allowed for panel boundary condition	All clamped boundary conditions are changed to simply supports.
8	Evaluation	JBP_POST	Shorter panel edge length is used to calculate buckling capacities. This is due to an error in CSR Corrigenda 1. Panel opening is not handled.	Panel edge length "b" is used to calculate buckling capacities. Panel opening is handled. Bilge radius unit error fixed. Hatch Coaming corrosion modified.