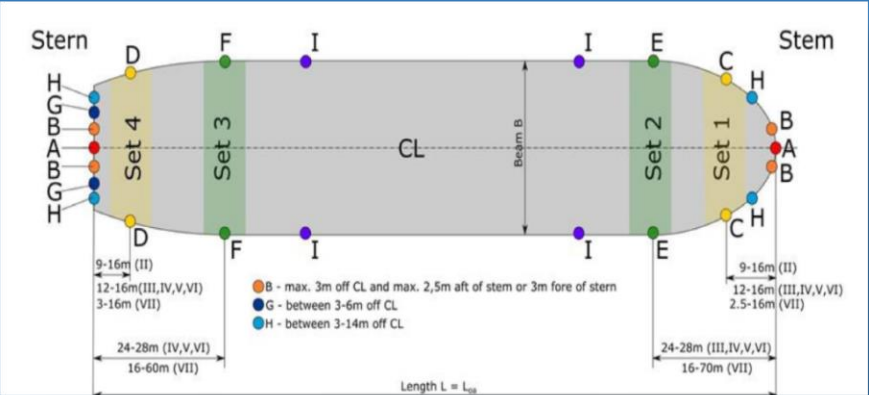
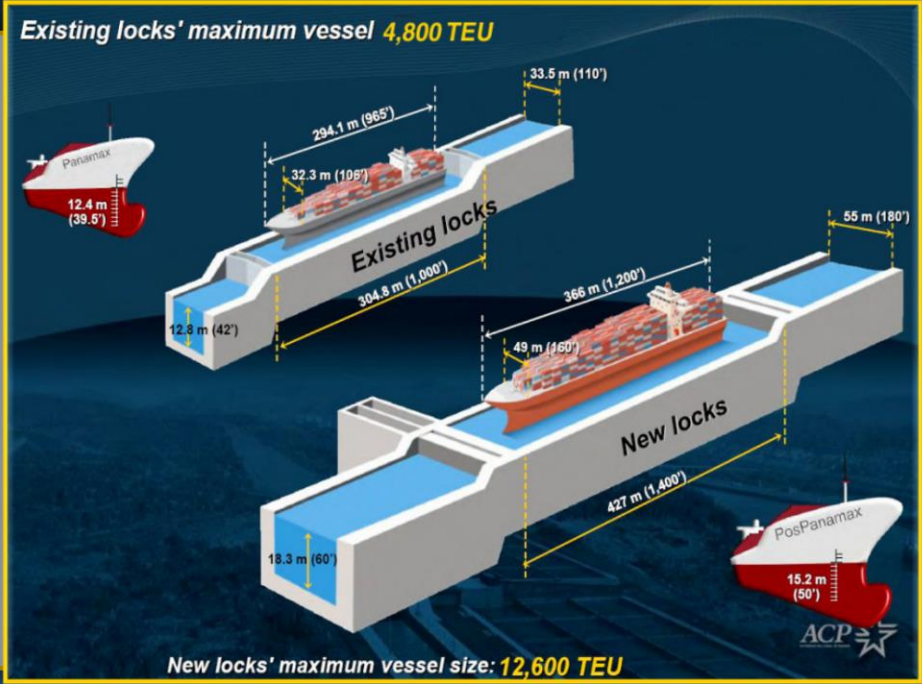


With new Panama Canal Lock been open for business in June 2016 shipping business have increased opportunities for transit between Atlantic and Pacific Oceans. Existing Panamax vessels can now exceed draft of 12.04 meters up to 15.20 meters forming Panamax Plus class. Totally new class appeared – New Panamax with size and draft limitation of the new locks – 366.00 meters in length by 49.00 meters in beam by 15.20 meters draft (TFW).

To benefit from New Panama locks all these vessels should comply with Panama Canal Authority (ACP) requirements – latest ones given in OP Notice to Shipping No.N-1-2016. Construction, number and location of chocks and bitts required by ACP are partly revised, because chocks and bitts will be used by ACP tugs assisting vessels through the new locks. There are also updates for transit conditions and other additional requirements that should be checked and possibly modified.

Recently we are receiving increasing number of requests for support on the evaluation of existing vessels arrangements against OP Notice to Shipping No.N-1-2016 requirements. We are happy to help our Clients in all necessary aspects:

- Evaluation of Mooring and Towing fitting arrangement;
- Development of transit conditions (Ballast with minimum drafts and laden with maximum draft) and bridge visibility check;
- Considering of additional requirements as Navigation Bridge Arrangement, Pilot Ladder Arrangement, Panama Canal Light and Panama Canal Shelters



- What we can do in order your vessel to comply with these New Panama Canal requirements is:
- ✓ Compliance proposal with required upgraded or additional fittings for mooring and towing (Chocks, Bollards and Deck Stand Rollers);
 - ✓ Structural calculations for under deck reinforcement and installation of upgraded or new fittings based on 3D FEM (Finite Element Method);
 - ✓ Installation drawings of New Mooring fittings including supporting structure arrangement below deck;
 - ✓ Update of General Arrangement plan indicating deployed boarding facilities, blue steering light and pilot shelters/platforms;
 - ✓ Update of Mooring Arrangement plan including type and SWL of the intended mooring fittings such as chocks and bollards;
 - ✓ Update of Wheelhouse arrangement;
 - ✓ Visibility calculations in accordance with ACP visibility requirements.