LashRight 2024 Release Notes

Lloyd's Register

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Notice and terms of use

1.   Introduction

Dear LashRight users,

We are proud to announce the update of LashRight to cover the container securing requirements for conventional container ships.

As ever, we welcome your feedback and feature requests at es.support@lr.org to help to improve LashRight.

Details about the implementation of all functionalities are not covered in this document. More details and information can be found in the user guide which are available in the installation directory.

For details about rule implementations in the programs, the user should consult the user guide and support desk for information about how to use the program for specific ship structures.

LashRight Team

Lloyd's Register

January 2024

2.   Product information

Information on Lloyd's Register LashRight can be obtained from https://www.lr.org/en/LashRight.

Software Version:

Software	Version	Notes
LashRight	2020.0.2.0	Initial release
	2020.0.3.0	Updated roll angle for 2017 vessels with B<36.5m and no OGD.
	2022.0.7.5	Improved user experience for in hold.
	2023.0.0.0	Added new maximum weights for in-hold mixed stacks, 2023 Rules Pt3 Ch14 table 14.7.2
	2023.3.0.0	Allowable side racking force for new containers changed to 200.0kN. Various other minor UI changes, and work towards 2024 Rules presently only visible internally.
	2024.3.0.0	Introduces fAr BoxMax factor Racking forces are now calculated in the DLL (for this year onwards) using a slightly updated method.
LashRightSolver	2017.0.1.1	Corrected bug for vessels between 250m & 350m and stacks aft of AP. Added Interface for: • Licence days remaining • Licence request
	2017.0.2.0	Updated longitudinal load distribution of mixed 20ft/40ft container stacks.
	2017.0.3.0	Updated roll angle for 2017 vessels with B<36.5m and no OGD. Updated starboard stack assessment using 2013+No.4
	2022.0.7.3	Improved Solver Stability

	2023.0.0.0	Comprehensive stack validation added before attempting to solve a stack, so invalid stacks are immediately rejected.
	2023.1.0.0	Longitudinal racking forces are now calculated in the DLL, not in the GUI
	2024.0.0.0	Bugfixes to the longitudinal racking force calculation.

3.   Overview

LashRight helps you model and review container stacking arrangements during vessel design and operational load planning. Its advanced matrix solution models the complex behaviour of stacks and lashings, ensuring compliance with LR Rules and Regulations for the Classification of Ships, Part 3, Chapter 14.

LashRight quickly identifies components that exceed the Rule requirements, helping the user make the necessary changes to the container arrangement, weight distribution or lashing equipment.

LashRight supports the following Rule Versions:

Rule Version	Enforce Date	Description
July2013	1 July 2013	Uses July 2013 Rule year. It includes all corrigenda issued for Rule 2013 including Notice No. 4.
July2014	1 July 2014	
July2015	1 July 2015	
July2016	1 July 2016	Uses July 2015 Rules including January 2016 Notice No. 1. July 2016 Notice No. 8 is not included.
July2017	1 July 2017	Uses July 2016 Rules including July 2016 Notice No. 8.
July2018	1 July 2018	
July2019	1 July 2019	Uses July 2018 Rules including June 2019 Notice No.7.
July2020	1 July 2020	
July2023	1 July 2023	Uses the new weight limits for mixed in-hold stacks.
July2024	1 July 2024	Introduces fAr BoxMax factor Racking forces are now calculated in the DLL (for this year onwards) using a slightly updated method.

For compliance with older Rule Versions, please contact es.support@lr.org for support.

4.   Support information

For LashRight support, or to report an error, please contact our engineering software support team at es.support@lr.org.

5.   Training information

For support or to report an error, please contact our engineering software support team at es.support@lr.org.

6.   Known limitations

- The software has been tested on Windows 10 personal computers.

- For the Rule Versions July2013, July2014, July2015 and July2016 the calculation does not include the impact of the longitudinal force of the lashing rod on the container corner posts.

- Wind loading is to be applied manually for Rule Version July2013, July2014, July2015 and July2016.

7. How to register a LashRight licence

7.1 Installing LashRight

LashRight can be downloaded from the Lloyd's Register website here: https://www.lr.org/en/lashright/.

You will need to have Windows Power User or higher administrative rights to install the software and register a licence. If you are uncertain about the user rights that you have on your computer, please confirm it with the IT Department in your organisation.

7.2 Entering User Information for a new licence

You will be prompted to activate LashRight the first time it starts. Go to LashRightSolver > Licence Manager and enter the user information in the LashRight Licensing Dialog. This information and the hardware signatures on your machine will be used to generate a licence request file automatically. You can email this file to the LashRight support team by clicking on the **Email Request** button. Alternatively, you can choose to save the request file by clicking on the **Save Request** button and send the file to es.support@lr.org later.

Note: The Comment area in the Licence Dialog is very useful for you to provide extra information. For example, if the licence is authorised by one of the LR local offices, you may provide the name of your contact here to reduce the processing time.

7.3   Activating a licence

The LashRight support team will generate a licence file after receiving a licence request. Upon receiving the licence file, you should restart LashRight and go to LashRightSolver > Licence Manager in the main menu to bring back the Licensing Dialog. The licence file can be imported by clicking on the Activate Licence button. If the registration is successful, you will see a message showing the number of remaining days for time-limited licences:

If a perpetual licence is activated successfully you will see a message with no time limit:

7.4   Checking the status of a licence

If you wish to check your licence status, please go to LashRightSolver > Licence Manager in the main menu. The Licensing Dialog will now display information for registered licences:

Lloyd's Register, Global Technology Centre, Hampshire House
Hampshire Corporate Park
Southampton SO53 3RY

E es.support@lr.org
W: www.lr.org