CUSTOMER SUPPORT NOTE

Report Generator – Adding Results Tables to Reports

Note Number:	**CSN/LUSAS/1016**

This support note is issued as a guideline only.

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1. Introduction

A report can be created by navigating to Utilities > Reporting > New Report. Once a new report entry has been added to the *Reports* treeview, selecting the report and using its context menu enables adding chapters, modifying the report, viewing its contents, renaming the report, or deleting it.

This technical note explains how to add results tables to a report. It also describes how results can be exported in a format that can be customised to meet specific requirements.

2. Adding results tables to a report

The *Print Results Wizard* facility allows selected results from one or more loadcases to be assembled, ordered, and displayed in a tabular format. The *Print Results Wizard* utility containing the required results can then be used to add them to a report chapter. An example report page with results presented in table format is shown in Figure 1.

Displacements

Analysis 1

Displacement

Loadcase 1 - Increment 12 Load Factor = 0.710156

Node	DX[mm]	DY[mm]	DZ[mm]	THX[rad]
1	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0
3	0.14649E-15	0.0	-8.06969	0.0
4	0.130213E-15	0.0	-25.1277	0.0
5	0.113936E-15	0.0	-43.9364	0.0
6	97.6597E-18	0.0	-63.0866	0.0
7	81.3831E-18	0.0	-81.3572	0.0
8	65.1065E-18	0.0	-97.715	0.0
9	48.8299E-18	0.0	-111.314	0.0
10	32.5532E-18	0.0	-121.498	0.0
11	16.2766E-18	0.0	-127.796	0.0
12	-33.1749E-33	0.0	-129.927	0.0
13	-16.2766E-18	0.0	-127.796	0.0
14	-32.5532E-18	0.0	-121.498	0.0
15	-48.8299E-18	0.0	-111.314	0.0
16	-65.1065E-18	0.0	-97.715	0.0
17	-81.3831E-18	0.0	-81.3572	0.0
18	-97.6597E-18	0.0	-63.0866	0.0
19	-0.113936E-15	0.0	-43.9364	0.0
20	-0.130213E-15	0.0	-25.1277	0.0
21	-0.14649E-15	0.0	-8.06969	0.0

Figure 1 – Results table in report.

3. Exporting results tables in an editable format

Right-clicking a report entry and selecting Export allows the report to be saved in .rtf (Rich Text Format), which can then be opened in Microsoft Word. Once the results to be included in a table have been selected, the text can be converted into a table via Insert > Table > Convert Text to Table (Figure 2). The resulting table can then be edited as required. Another option is

to save the report as an Excel spreadsheet, which can then be edited to create the required results table.

Figure 2 – Converting text to table in Microsoft Word.

4. Summary

Results tables can be added to reports through the Modeller interface. Alternatively, they can be exported in editable formats, such as rtf or Excel files, allowing their content, layout, and formatting to be modified to meet specific reporting requirements.

If you have any doubts or require specific advice for your type of analysis, please contact the LUSAS Technical Support team at support@lusas.com.