	Title:	**Release SCIA Engineer 15.1 is available**
	Available from:	SCIA Engineer 15.1
	Category:	News item
	Date:	17/07/2015

Content:
- Setup of SCIA Engineer 15.1 for external release has been published.
- It was created from build 15.1.100
- DVD content has been also updated.

Data version number: 196
Data stored in this version can be opened in version 15.1.100 and higher
As communicated earlier this release is mainly **a quality improvement** release, where we focused more on bug fixing and not on new features.

List of solved bugs:
- Release notes: Download here
- Details of release notes: Download here

Update of link for TEKLA 21.0
SCIA Engineer 15.1 has an updated version of TEKLA 21 link. There is possibility to export model from SCIA Engineer 15.1 use SCIA2Tekla application and load data into opened project in TEKLA Structures 21.

Open Checks
There will now be a user-defined setup per Integrated Design Forms Checks
- The user can create a setup for each check in SDF. The setup is shown in SCIA Engineer above the member data for that check.

There are more visualization options for 1D members (new shell previously only used for 0D and 2D elements)
- Print/hide units on 3D result plots.
- Hide values and print checks as diagrams only.
- Print average values of check results on the member.

Debugging (trace) file added as output option directly in SCIA Engineer:
- This allows the user to debug from within SCIA Engineer

Displaying of result variables in user-defined colors
Clean-up and update of outdated data (member data instances, outdated checks)

NA Support for Malaysia and Singapore
For Malaysia and Singapore we are supporting the National Annexes for concrete. For steel it was already available longer time.

Deflections

We had announced in Release 15.0 an approximated deflection check taking cracks into account. We multiply the linear deflection with the cracked stiffness in that specific section. This was disabled due to some mistakes in the calculation. In 15.1 this check is enabled again. In the help documentation it is clearly indicated that this method is not recommended for all cases (e.g. cantilever beam).