SAFE v23.1.0 Release Notes

Notice Date: 04-November-2025

This document lists changes made to SAFE since v23.0.0, released 14-October-2025. Items marked with an asterisk (*) in the first column are more significant.

Internal

Enhancements Implemented

*	Ticket	Description
	11739	The version number has been changed to v23.1.0 for a new minor release

Results Display and Output

Incidents Resolved

*	Ticket	Description
	11778	An incident was resolved where Moment Mu2 and Moment Mu3 were incorrectly reported in the punching check report and table for AS 3600-2009, AS 3600-2018, BS 8110-97, Chinese 2010, Hong Kong CP 2013 and Singapore CP 65:99 codes. This was just a reporting error and design results were not affected.

SAFE v23.0.0 Release Notes

Notice Date: 13-October-2025

This document lists changes made to SAFE since v22.7.0, released 14-July-2025. Items marked with an asterisk (*) in the first column are more significant.

Data Files

Enhancements Implemented

*	Ticket	Description
	11688	An enhancement has been implemented where the material library for the Korean region has been updated to include materials in accordance with the KS22(S) standard, in addition to those already available previously based on the KBC 2016 standard.
	11690	An enhancement has been implemented that adds a new steel section database for sections from Korea per their KS21 standard.

Design – Slab

Enhancements Implemented

*	Ticket	Description
	2892	An enhancement has been made to the concrete punching shear check for prestressed concrete slabs per Australian design codes, in which the "Punching Shear Check & Design" report has been enriched by adding additional information on sigma_cp. The affected codes are "AS 3600-2009" and "AS 3600-2018".
*	11636	An enhancement has been made to add the ACI 318-25 code for reinforced concrete and PT slab design.

Installation and Licensing

Enhancements Implemented

*	Ticket	Description
*	11602	The following improvements have been made to sign-in licensing within the application. (1) The authentication process for sign-in licensing has been modified to now use the system browser on the client machine. This improves the sign-in experience by eliminating the connecting popup that was displayed on subsequent runs after signing in the first time. This change will require users to sign in to SAFE the first time this new version is run. (2) Personal Access Tokens (PATs) can now be used for scenarios where the normal authentication flow is not possible, such as for headless machines. (3) Remote checkout licensing is now available for dark-site or air-gapped machines that do not have internet access.
*	11729	The standalone, network, and cloud key licensing options have been removed from ETABS v23. All licenses will now use cloud sign-in licensing which is more flexible and secure.

Internal

Enhancements Implemented

*	Ticket	Description
*	11545	The version number has been changed to v23.0.0 for a new major release.

Structural Model

Enhancements Implemented

*	Ticket	Description
	11578	An enhancement to section properties was implemented. It is now possible to define rectangular tube steel sections and assign them to beams and columns.

User Interface

Enhancements Implemented

*	Ticket	Description
	900	An enhancement has been added to allow drafting of dimension lines when the model is locked.

Database Tables

Incidents Resolved

*	Ticket	Description
	11717	An incident was resolved where the "Shell Element Cracked Section Modifiers" database table (Display men>Show Tables) was incorrectly showing zero values for the Sf11 and Sf22 fields. This issue affected SAFE v22.5.0-v22.7.0.

Design – Slab

Incidents Resolved

*	Ticket	Description
	10658	An incident has been resolved in the concrete punching shear check for prestressed concrete slabs per Australian design codes, in which the effect of prestressing was previously ignored. Now, the effect of prestressing is considered. The affected codes are "AS 3600-2018" and "AS 3600-09". The corresponding design manuals were correct. Previously, the design was conservative.

Design – Steel Frame

Incidents Resolved

*	Ticket	Description
	11667	An incident affecting model definition and composite beam design was resolved. When a castellated or cellular beam section was defined, its material was set to the first steel material defined in the model and could not be modified. When this happened, the analysis results and designs agreed with the model. All versions of SAFE in which castellated and cellular beam sections can be defined were affected.

Structural Model

Incidents Resolved

*	Ticket	Description
	11632	An incident was resolved where replicate of point object with loads were not initialized. This causes point load to be applied to point object of "stiff" areas (if present) in the model.

User Interface

Incidents Resolved

*	Ticket	Description
	11631	An issue has been resolved in the program where the right-click form for area object information displayed incorrect point names in the area edge release assignment details. The program had been populating this information with internally used point names instead of the point object names visible to users in the GUI. This bug also affected the database table, which has now been corrected as well.