



MATTHIAS KULL IMPLEMENTATION MANAGER, KJI - PRESALES & SALES READINESS

INTRODUCTION TO CAVA BACK OFFICE BODYBUILDER

SCANIA



WHY?

Vehicle Optimizer (VO) is old and also a stand-alone application!

Old technology negatively affects systems integrated with it, from both quality and performance perspectives.

VO will be replaced by CAVA

Once the support to Presales and Sales users reaches a stable and acceptable level, Vehicle Optimizer will be phased out.

Why CAVA?

- CAVA prepares and supports the Scania vehicle attributes and supports sales, back office and bodybuilder activities.



WHAT IS CAVA?

CAVA stands for Calculation And Visualisation Application

CAVA is the successor of
Vehicle Optimizer

The global implementation has
been done 2021

Presales is the first one to get
CAVA in a Back Office version.

CAVA objective

Product, performance
and legal attributes to
create a correct,
legally compliant &
complete vehicle via
Sales Portal.

Main target groups

Sales representatives

Bodybuilders, third-party tools

Sales/Presales back office

R&D designers

Certification engineers

Application engineers

Workshop Technicians (SDP3)



BASICS OF CAVA

CAVA combines ECM (ETEL Configurator Module) configuration with attributes and calculations to serve in this 5 main areas:

Basic Drawing

Load

Maneuver

Style & Equip

Legal

Specification

FPC 0001B Rigid
FPC 0003A.....



Body, Trailer,
Equipment (BTE)

Length
Width....



Transport mission

Annual mileage
Topography...

Data & Formulas

CAVA MODULES



Load Capacity

Axle Load

Load Capacity: Axle Load

Legal entries

Legal weights

Driver

Current Loads/Weights

Unladen chassis

Driver

Unladen Bodywork

Payload

Sum

Reference weights

Legal weights

Technical weights

Margin

Legal weights

Driver75

Front legal weight18000

Rear legal weight19000

Total legal weight32000

Apply

Maneuverability

Steering angle40deg

Maneuverability

Style And Equip

Legal: Roll over

RESULT

Turning radius [m]12

Extra weight CoG height above frame [m]1

Bodywork weight including payload24409.0 kg

Total weight37000.0 kg

User defined centre of gravity height for body

From frame1.00 m

From ground2.21 m

Maximum speed when turning25.42 km/h

Legal maximum centre of gravity height for body

From frame1.08 m

From ground2.29 m

Maximum speed when turning24.94 km/h

Calculate

ROLLOVER DIAGRAM

Load Capacity

Basic Drawing

Load Capacity: Basic Drawing

Left SideRight SideTopRearFront

Dimension table

Hide side cover



LOGIN AND ACCESS TO CAVA BODYBUILDER


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LOG INTO CAVA BACK OFFICE

SCANIA | LOGIN

Select Account Type

 **Scania Corporation with 2 factor**
SAIL/XDS or Global account

 **Scania Corporation**
SAIL/XDS or Global account

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Enter: <https://cbo.scania.com>

Use your XDS account, to Login CAVA Bodybuilder

If you need to add a new user, contact:

ssdg@scania.com

Information needed:

CAVA Bodybuilder

XDS user name

ETEL Productstructure Market ID



CAVA INFORMATION IN REFLEX

SCANIA | REFLEX

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Sales operations

IT Applications

BibaT Online

Bodybuilder portal

CAVA Back Office

Comparison Tool

COW

E-Mobility Analytics

ETEL Back Office

FRAS Pre-sales

ICD/ICS

MPP

Presales portal

PRS

Sales Portal

Scania Configurator

Scania CRM

SMA Scania Maintenance Agreement

SPISA

VO - Vehicle Optimizer

Sales process & methods

Sales support

Marketing Suite

CAVA Back Office

Update your shortcut

Since 2023-03-17 we updated CBO. If you have saved a short cut and are facing log in issue. Please update your shortcut to <https://cbo.scania.com>

CAVA is short for Calculation and visualisation application. CAVA back office is used to optimize vehicles and it is the application that replaces VO. CAVA Back office is used by presales staff, body builders and the R&D department. Parts of the CAVA application is also installed in Sales Portal, so that the sales force is able to use it when configuring vehicles.

Access

User needs an XDS-login account to be able to access CAVA Back office. Send an email to ssdg@scania.com to get access. Please, add the role, XDS account id and which country the user wants access for in the e-mail.

Support



In Cava Back office there is a support function, you reach it in the user and language menu:

When you select support, we collect the data on the case you have open. In order to provide the best support please share the specificatin and attach it to the support email.

You can always also just send email to ssdg@scania.com

Training at My Compass

At My Compass you can find training material: [Link to My Compass](#)

 **Contact:**
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Last modified
24 Mar 2023 11:22

Link to application

CAVA Back Office 

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MORE INFORMATION

Road map

 **1 CAVA roadmap 230223**

 **2 CAVA roadmap truck and bus 221...**

OPEN FOLDER TO SHOW MORE ITEMS

Release Notes

 **CBO Release Notes 20230317_V1**
CAVA Release notes 2023-03-17

 **CAVA Create New Deploy 2023-03...**
Create a new specification in CAVA



BOJAN TOMIĆ PRODUCT OWNER CAVA BACK OFFICE, KJA - PRESALES & SALES READINESS

CAVA BACK OFFICE BODYBUILDER READY FOR THE FUTURE

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Body Trailer Equipment (BTE) development plan

We have developed a scalable architecture and continuously working with the content

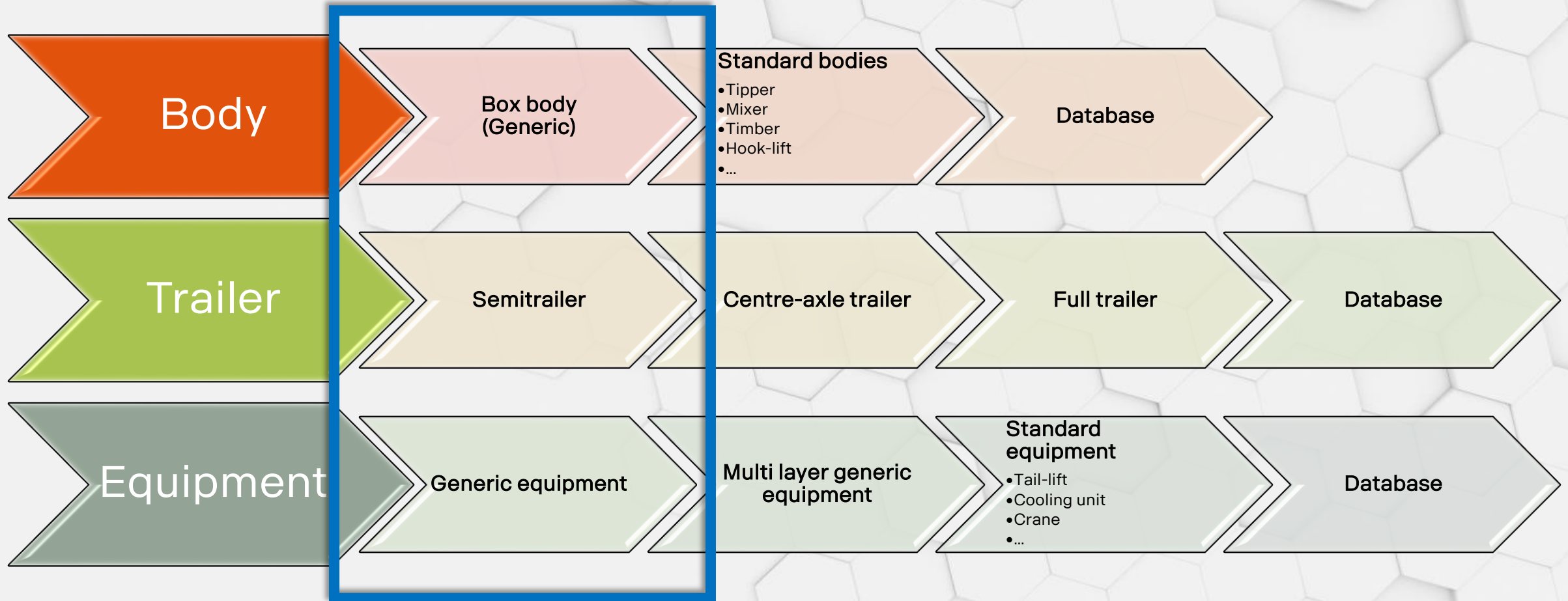


ILLUSTRATION AND DEMO (VIDEO)



QUESTIONS AND FEEDBACK



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QUESTIONS AND FEEDBACK

- Which tools do you use to calculate bodybuilder superstructure?
- What are the calculations that you are doing in those tools?
- How do you interact today with Scania's systems together with the Sales representatives or Presales?
- What are your expectations from Scania to you as a bodybuilder to improve the bodybuilding process?



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