



Feature at a Glance

Formula editor for customer key figures

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Feature at a Glance

Introducing: Formula editor for custom key figures

Ease of implementation

Geographic relevance



Low touch / simple

Global

Customer challenge

Customer buyers often need the flexibility to create new Key Figures expressed as a calculation of other key figures.

Meet that challenge with SAP Ariba

The feature is enhanced with the new Key Figure creation tool with a self-service formula configuration that allows buyers to express the new Key Figure as a calculation of key figures.

Experience key benefits

With the formula editor for custom key figures feature, buyers can build a formula in a custom key figure for a planning collaboration view.

Buyers can click their choice of numerals, operators, and existing key figures provided on the key figure creation page.

The formula editor also validates the formula when it is saved. If the formula has errors, a validation message identifies the errors for easier correction.

Solution area

SAP Ariba Supply Chain Collaboration & Inventory or Forecast Add on

Implementation information

This feature is automatically on for all customers with the applicable solutions but requires **customer configuration**.

Prerequisites and Limitations

Formula components cannot be typed directly into the formula area.

The **Time-based formula** setting cannot be changed once the custom key figure is created.

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Buyer user interface changes

The formula editor for custom key figures feature adds the following functionality:

This feature adds toggle switches for key figure options on the **Add custom key figure** page for any view on the **Planning → Planning collaboration → Planning settings → Manage views** page.

- **Visible** - Makes the key figure visible in the view.
- **Editable by supplier** - Allows suppliers to edit the key figure.
- **Show in Excel** - Includes the key figure in the Microsoft Excel file.
- **Time-based formula** - Indicates whether the **Expression** field value is time based.
 - When this toggle switch is in the **On** position, the formula editor area displays. The right side of the editor displays numerals, operator symbols, and names of existing key figures. Clicking an element adds it to the formula on the left side of the editor. To delete an added element, hover over the element and click the **X** that appears. The formula is validated when you click **Save**. A validation message reports any error and where it is located.
 - When this toggle switch is in the **Off** position, the **Expression** field contains the value of attribute *customType* in the *PlanningTimeSeries* cXML element.

On the **Edit key figure** page for any view on the **Planning → Planning collaboration → Planning settings → Manage views** page, buyers can:

- Change the toggle switch settings of key figure options other than **Time-based formula**.
- Edit the content of the **Expression** field.

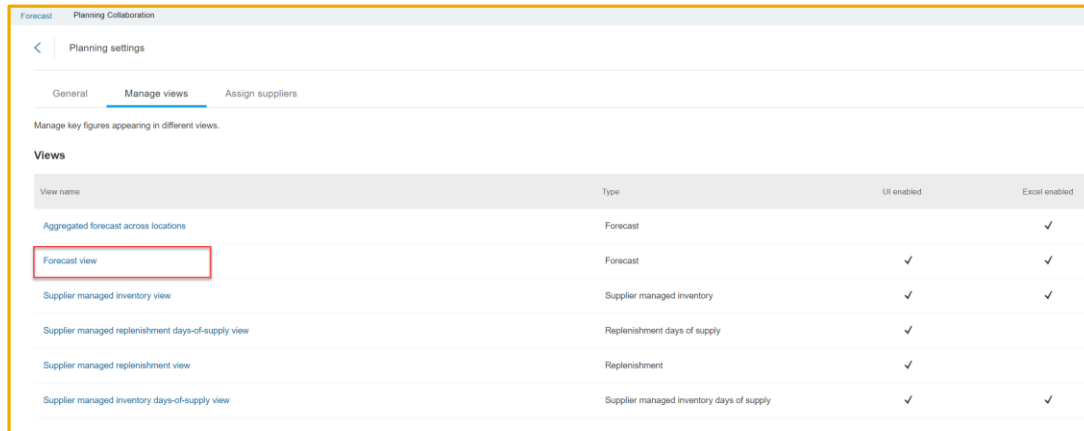
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Buyers with Planning Settings Authorization permissions can create customized key figures for planning collaboration views.

Procedure

- Log in to Ariba Network as a buyer with Planning Settings Authorization permissions.
- Go to Planning → Planning Collaboration → Planning settings → Manage views.
- Click the desired view name.



Forecast Planning Collaboration

< Planning settings

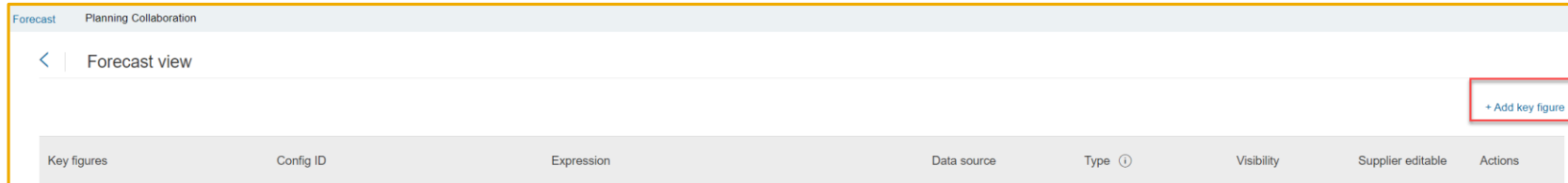
General **Manage views** Assign suppliers

Manage key figures appearing in different views.

Views

View name	Type	UI enabled	Excel enabled
Aggregated forecast across locations	Forecast		✓
Forecast view	Forecast	✓	✓
Supplier managed inventory view	Supplier managed inventory	✓	✓
Supplier managed replenishment days-of-supply view	Replenishment days of supply	✓	
Supplier managed replenishment view	Replenishment	✓	
Supplier managed inventory days-of-supply view	Supplier managed inventory days of supply	✓	✓

- Click Add key figure and select Create New from the dropdown. New key figure popup opens.



Forecast Planning Collaboration

< Forecast view

+ Add key figure

Key figures	Config ID	Expression	Data source	Type ⓘ	Visibility	Supplier editable	Actions
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Procedure

- Enter information in the Key figure display name field and optionally in the Description field. The Configuration ID field is automatically populated by the Key figure display name value.
- Choose Buyer or Supplier as the data source.
- For any desired key figure options, click its toggle switch to the On position.
 - Visible - Makes the key figure visible in the view.
 - Editable by supplier - Allows suppliers to edit the key figure.
 - Show in Excel - Includes the key figure in the Microsoft Excel file.
 - Time-based formula - Indicates the Expression field value is time based.

New key figure

Key figure display name* SubcontractStock Configuration ID * CUST_SUBCONTRACTSTOCK

Description

Data source
☐ Buyer ☒ Supplier

Visible ☒

Editable by supplier ☒

Show In Excel ☒

Time-based formula ☐

Expression*

Cancel Save

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- Enter a value in the Expression field.
 - If the Time-based formula toggle switch is in the Off position, add to the Expression field the value of attribute *customType* in the *PlanningTimeSeries* cXML element.
 - If the Time-based formula toggle switch is in the On position, the formula editor appears. The right side of the editor displays numerals, operator symbols, and names of existing key figures to use in the formula. Click an element to add it to the formula area on the left side of the editor. Some elements are not visible unless they are valid for the insertion point. To delete an added element, hover over the element and click the x that appears.
- Click Save.
- The custom key figure is added to the view. If the key figure uses a formula, the formula is first validated. If the formula has an error, a validation message displays which describes the error.

The screenshot shows the 'New key figure' dialog box. At the top, there are fields for 'Key figure display name*' (containing 'SubcontractStock') and 'Configuration ID*' (containing 'CUST_SUBCONTRACTSTOCK'). Below these is a 'Description' text area. The 'Data source' section has two radio buttons: 'Buyer' and 'Supplier', with 'Supplier' selected. There are three toggle switches: 'Visible' (on), 'Editable by supplier' (off), and 'Show in Excel' (on). The 'Time-based formula' toggle switch is also on. Below this, a text box says 'Click any component in the right column to form a formula on the left.' The main area is divided into two columns. The left column contains a text box with 'CUST_SUBCONTRACTSTOCK[i]' and a button labeled 'SubcontractStock [i]'. The right column contains a keypad with operators (+, -, *, /, i, ==, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, ., ?, :, (,) and a list of key figures: 'Previous forecast commit', 'Upside forecast', 'Firmed orders', 'Priority', 'Order received', and 'SubcontractStock'. At the bottom right are 'Cancel' and 'Save' buttons.