Webinar: Customers Impacted by Sales & Operations Planning Operator Warnings
SAP Integrated Business Planning
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September 2019
Agenda

Welcome & introduction round :: John

Validation Checks during SOP Operator execution :: Goutam

Examples & how to fix the model :: Goutam

- Example 1: Key Figure incorrectly marked as Supply Planning relevant
- Example 2: Supply planning Key Figure at incorrect Planning Level

Questions & answers :: all
Call to Action: Timeline

- Invite Webinar sent 04 Sept. 2019
- US Time Zone Webinar 16 Sept. 2019
- Eval. CPI-DS Adjustments tbd by Customer
- Change IBP Configuration tbd by customer
- EMEA Time Zone Webinar 19 Sept. 2019
- Transport to Prod tbd by Customer
- IBP 1911 Upgrade Wave 1 08 Nov. 2019
- IBP 1911 Upgrade Wave 3 22 Nov. 2019
Validation Checks

Two categories of checks
- A Key Figure is incorrectly marked as relevant for Supply Planning
- A Supply Planning relevant Key Figure does not have the correct base Planning Level

These checks are executed during S&OP Operator execution and NOT during Activation

Checks were introduced in 1902.

Customers whose systems were installed prior to 1905 release get warning messages in the Application Log if the checks fail.

Those same customers when they Upgrade to 1911 will get error messages if the checks fail. S&OP Operator execution will be terminated with error on failure of such checks
Background / Motivation

SCM Planning Algorithms expect pre-defined Planning Level for each Operator Key Figure

- Planning Levels are based on supply chain objects and their relations with each other
- Modified / deviating Planning Levels are tolerated, but might lead to wrong results
- Incorrect Key Figure / Planning Levels may lead to reading more data than necessary and cause performance issues

Future development of Timeseries based Supply Planning will assume that the Planning Area has correct configuration for the Supply Planning Key Figure and base Planning Level.

- For example, Normalization which has the promise of reducing memory consumption assumes the above
## Key Figure Header

**Consensus Demand**

**Description:** Base Planning Level: **WKPRODCUST**

<table>
<thead>
<tr>
<th>Characteristics</th>
<th>Calculation Definitions</th>
<th>Display Settings</th>
<th>Administrative Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Edit Allowed:</td>
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<td></td>
<td>Editable in the Current or Future Period</td>
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<tr>
<td>Aggregation Mode:</td>
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<td></td>
<td>Sum</td>
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<tr>
<td>Disaggregation Mode:</td>
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<td></td>
<td>Equal Distribution</td>
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<td>Proportionality:</td>
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<td></td>
<td>Same Key Figure - Stored Values</td>
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<tr>
<td>Period Weight Factor:</td>
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<tr>
<td></td>
<td>WEEKWEIGHT</td>
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</tr>
</tbody>
</table>

**Type:** 0  
**Key Figures:** Active

**Business Meaning:**
- Input/Output for Supply Planning: **Input for Supply Planning**
- Input/Output for TS Forecast Consumption: **-**
Key Figure is incorrectly marked as Supply Planning relevant

Key Figure <KFID> is not recognized by the SOP Operator and will be ignored. Remedial action could be one of the following:

- If you no longer need the Key Figure, delete it from the Planning Area.
- If it's an aggregated constraint Key Figure but you didn't mark it as such, ensure you do mark it as an aggregated constraint Key Figure in Key Figure configuration.
- If the Key Figure isn't a Supply Planning Key Figure but is involved in the calculation of another Supply Planning Key Figure, in Input/Output of Supply Planning (Key Figure configuration), select Indirect Input.
- If the Key Figure isn't relevant for the S&OP Operator, set Input/Output of Supply Planning to blank.
Key Figure is incorrectly marked as Supply Planning relevant

Customer whose systems were installed prior to 1905 gets below warning

Those same customers will get the below error beginning 1911

Application Log

09/12/2019 15:47:18.307  | Warning | Key figure RECOMMENDED_SAFETY_STOCK is not recognized by the SOP operator and will be ignored.

Application Log

09/12/2019 16:14:33.928  | Error   | Key figure RECOMMENDED_SAFETY_STOCK is not recognized by the SOP operator.
Solution for Key Figure incorrectly marked for Supply Planning

You must activate the Planning Area for the configuration change to take effect.
Key Figure base Planning Level is inconsistent

Attribute(<ATTRID>) is not expected in base Planning Level of Key Figure(<KFID>). Remedial action could be one of the following

- if you no longer need the Key Figure, delete it from the Planning Area.
- Adjust the Key Figure's Planning Level by ensuring the Attribute isn't a Root Attribute

Customer whose systems were installed prior to 1905 gets below warning

Those same customers will get the below error beginning 1911
Key Figure base Planning Level is inconsistent

Attribute(<ATTRID>) is missing in base Planning Level of Key Figure(<KFID>). Remedial action could be one of the following

- if you no longer need the Key Figure, delete it from the Planning Area.
- Adjust the Key Figure's Planning Level by adding the Attribute as a Root Attribute.

Customer whose systems were installed prior to 1905 gets below warning

![Warning](09/12/2019 15:47:18.303 - Attribute(LOCID) is missing in base planning level of key figure(ADDITIONALLOTSIZEDEMAND).

Those same customers will get the below error beginning 1911

![Error](09/12/2019 16:14:33.924 - Attribute(LOCID) is missing in base planning level of key figure(LPQUOTACOVERAGE).
You must activate the plan area for configuration change to take effect.

If there is data in the Key Figure you will need to delete the data before you can activate. If the data is important to you, extract the data may be through CPI-DS before deleting.

One way to delete data in a Key Figure is to upload one valid combination with Key Figure value null through the Data Integration Job App with command REPLACE. If P1 and C1 are valid values for PRDID and CUSTID respectively, then the below content when uploaded as a CSV file with command REPLACE it will delete all the KeyFigure values

- PRDID,CUSTID,KEYFIGUREDATE,LPQUOTACOVERAGE
  P1,C1,2019-09-12 00:00:00,
Resources

S&OP Operator Key Figures and their Planning Levels:


If additional information or support is required, please raise an incident to component SCM-IBP-SUP with your specific question.

In addition, you can reach the Customer Engagement and Customer Office teams via the email: SAP Engage IBP <engage-ibp@sap.com>
Questions?

Find answers and ask your questions about SAP IBP on our Q&A community

https://answers.sap.com/index.html
Support requests

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Thank you.

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