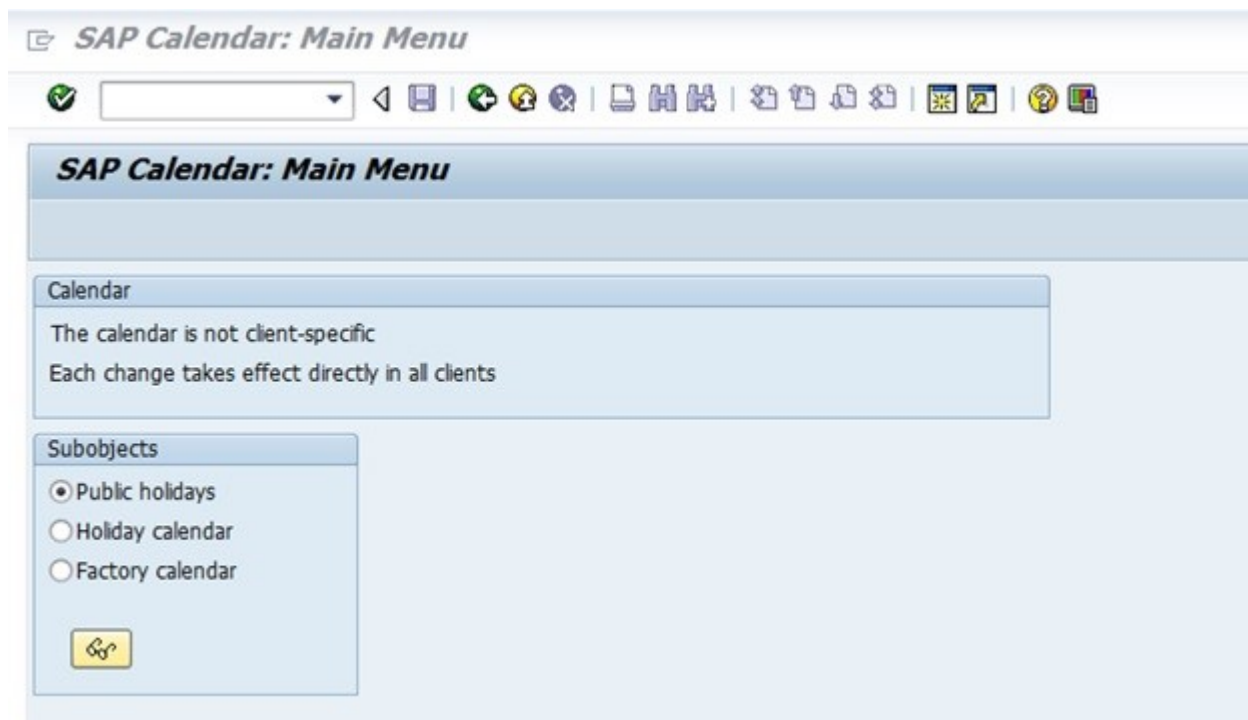


Calendar in SAP



Well the concept of Calendar is important and exhaustive in nature and Calendars in SAP are basically used to define the working days for plants/warehouses, shipping points. They are also in fact assigned to routes in logistics stream area or unloading points at Customers. For the accurate calculation of date, calendar in SAP have to be maintained & assigned correctly. For all exceptions requirement, an additional factory calendar might be necessary like for example if the production produces on all days, but shipping is done only on working days. Then the plant can have a different calendar than the shipping point.

In general synopsis, a calendar consists out of three basic elements which are clear identified below for reference and through SAP transaction **SCAL**, it is defined:



Public Holidays – Definition of the public holidays are done with following type:

- with fixed date
- with a fixed day from date

- Distance to Easter
- Easter Sunday
- Floating Public Holiday

Change Public Holidays: Overview

Public holiday | Short text | Use in holiday cal. | Sort Key

01/05 International Labor Day	Internatio	X	
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Create/Change Public Holidays: Details

Holiday

Select the public holiday type

Type of Public Holiday

- ☒ with fixed date
- ☐ with a fixed day from date
- ☐ Distance to Easter
- ☐ Easter Sunday
- ☐ Floating Public Holiday

Holiday calendar: This contain comprehensive list of all public holidays per country (e.g. Christmas).

Display Public Holiday Calendar: Details

Calendar ID: AT Austria

Valid From: 1995 To: 2098

Assigned Public Holidays

Selected	Public Holiday	Valid From	Valid To
	New Year's Day	1996	2010
	Epiphany	1996	2010
	Easter Monday	1996	2010
	May Day	1996	2010

Factory calendar: This calendar defines in generic sense which days are working days. With 'special rules', workdays can be set as non-working days in the individual calendar. The factory calendar is defined on the basis of a public holiday calendar, weekdays that are working days must also be specified in this calendar.

Display Factory Calendar: Overview			
Definition Calendar			
ID	Calendar ID	Valid from	Valid to
AR	Argentina	1997	2098
AT	Austria	1997	2098
AU	Australia	1997	2098

Yearly Overview									
Public Holidays									
No. of Holidays		13							
Calendar Overview									
2010/4	WN	MO	TU	WE	TH	FR	SA	SU	
	13	29	30	31	1	2	3	4	
	14	5	6	7	8	9	10	11	
	15	12	13	14	15	16	17	18	
	16	19	20	21	22	23	24	25	
	17	26	27	28	29	30	1	2	
Public Holiday Overview									
Date	Explanation								
01.01.2...	New Year's Day								
06.01.2010	Epiphany								
05.04.2010	Easter Monday								
01.05.2010	May Day								
13.05.2010	Ascension								

Special Rules

Display Factory Calendar: Special Rules			
Calendar <input type="text"/> Monthly Invoice Last Working Day			
Special rules			
#	Valid from	Valid to	Text
	31.01.2013	31.01.2013	January 2013
	28.02.2013	28.02.2013	February 2013
	28.03.2013	28.03.2013	March 2013
	30.04.2013	30.04.2013	April 2013
	31.05.2013	31.05.2013	May 2013
	28.06.2013	28.06.2013	June 2013
	31.07.2013	31.07.2013	July 2013
	30.08.2013	30.08.2013	August 2013
	30.09.2013	30.09.2013	September 2013
	31.10.2013	31.10.2013	October 2013
	29.11.2013	29.11.2013	November 2013
	31.12.2013	31.12.2013	December 2013
	31.01.2014	31.01.2014	January 2014
	28.02.2014	28.02.2014	February 2014
	31.03.2014	31.03.2014	March 2014
	30.04.2014	30.04.2014	April 2014
	30.05.2014	30.05.2014	May 2014
	30.06.2014	30.06.2014	June 2014

Calendar is used in the following cases i.e. on the baseline of Organizational unit, Master Data and Transaction data of SAP:

1. Organizational Unit

- Plants
 - Shipping points
 - Transport planning points
 - Route definitions in Logistics
 - Sales organizations
 - Company code
2. Master Data
- Unloading points in the customer master
 - Invoice dates in the customer master (sales views)
3. Transactional Data
- SD Billing plan
 - Process orders / planned orders

Impact of Calendar on Delivery scheduling:

In the Organization unit i.e. Plant – factory calendar maintained has no influence on the delivery scheduling process. The calendar setup in the following area has impact on the delivery scheduling process:

Properties of delivery scheduling:

1. Transit time : determined from the route – (factory) calendar assigned to route
2. Loading time : determined from shipping point – shipping point calendar
3. Pick and pack time : determined from shipping point or route – shipping point calendar
4. Transportation planning time : determined from the route – (factory) calendar assigned to route

Display View "Shipping Points": Details

Shipping Point

Location

Country Departure Zone

Times

Factory Calendar Working Times

Determine Times

Determine Load. Time ☐ No loading time determination

Det.Pick/Pack Time ☐ Route dependent

Rounding Work Days

Annotations: A yellow arrow points from the 'Pick / pack time from Shipping point' box to the Shipping Point field. A blue arrow points from the 'Factory Calendar' field to the 'Working Times' field.

Dialog Structure

- Routes
 - Route Stages
 - Transportation connecti

Route

Identification

Description Route ID

Processing

Service agent

ModeOfTr-Border ☐

Shipping type ☐ Distance

ShTypePrelLeg ☐

ShTypeSubLeg ☐ ☒ Rel.transport

Scheduling

TransitTime Factory cal.

Trav.dur.

TransLd Tm.

TrLeadTimeHrs

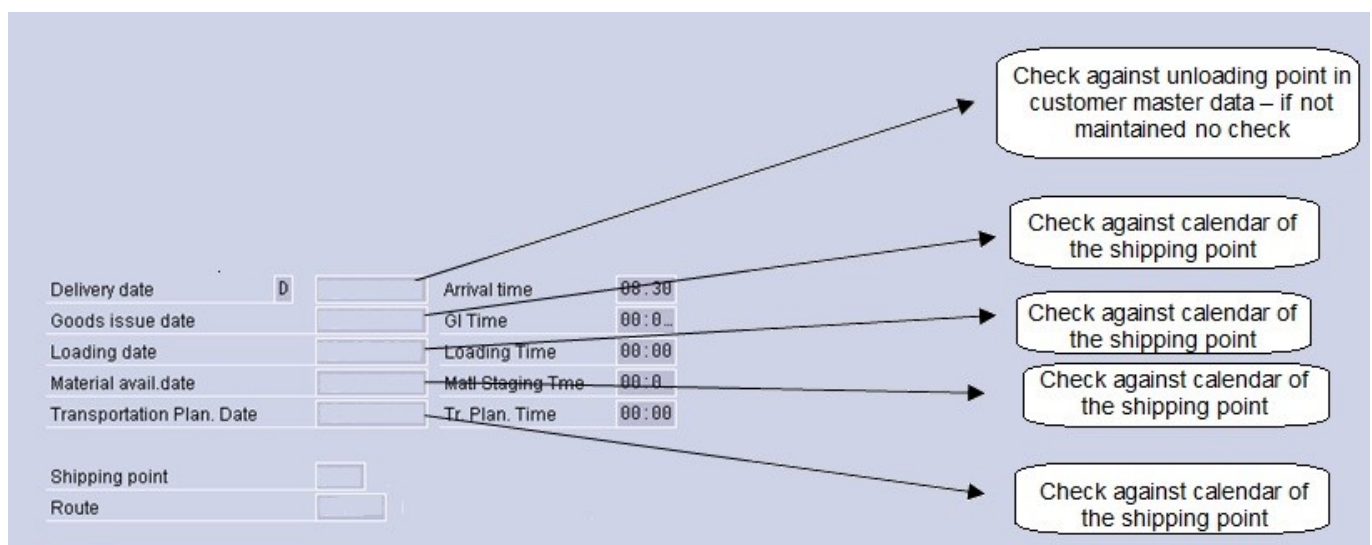
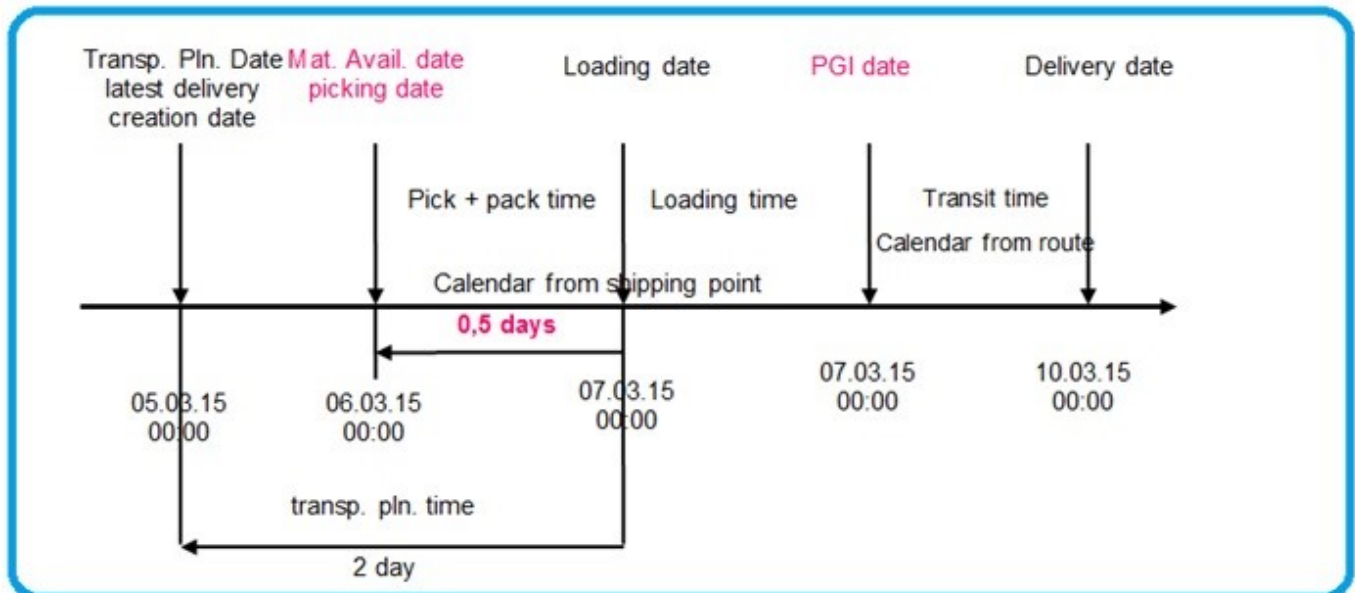
AlwdTotWgt

Annotations: A yellow arrow points from the 'Transit - and Transport Plan time from Route' box to the 'Processing' section. A blue arrow points from the 'Factory cal.' field to the 'Scheduling' section.

Let us take a simple example where Customer places Sales Order for 100 unit of Material and the requested delivery date indicated by customer as 10th March 2015.

The Delivery scheduling during Order creation is as follows:

Req. Del. date	: 10.03.2015	From Sales order
Route	: 2 day transit time	From Route
loading time	: 0 days	From Shipping point
pick + pack time	: 0.5 days	From Shipping point
transp. pln. time	: 2 day	From Route



Specifics of standard Table of Calendar:

- TFACD: Factory calendar definition
- TFACS: Factory calendar (display)
- TFACT: Factory calendar texts
- THOC: Public Holiday Calendar
- THOCD: Public holiday definitions
- THOCI: Public holiday calendar index
- THOCS: Public holiday calendar (display)
- THOCT: Public holiday calendar texts

- TFAIN: Calendar: Intervals for company holidays, special shifts
- TFAIT: Calendar: Text for factory calendar intervals

Tables having factory calendar:

- KNVA: Customer Master Unloading Points
- KNVV: Customer Master Sales Data
- T001W: Plants
- TVRO: Routes
- TZBZ: Company code: Additional data
- TVST: Organizational Unit: Shipping Points
- TTDS: Organizational Unit: Transportation Scheduling Point

Special Note: As the delivery and invoice creation jobs are scheduled based on the SAP calendar, it's required to start these jobs manually on the last working day before holiday period.