

Shift Related Confirmation: a Breakthrough in Manufacturing



Applies to:

SAP Logistics modules ECC 6.00, EHP3.

For more information, visit the [Manufacturing homepage](#).

Summary

This is a functionality SAP has developed and released in Enhancement Package number 3 which enables the user to enter shift related confirmation while confirming the production.

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Author Bio



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Introduction

It was the long felt need of the manufacturing industry to have shift wise confirmation.

To have better control and accountability in the shop floor, industry is very much in need of this functionality. SAP recognized the need of the industry and included the same in enhancement package number 3.

In this package one can use shift related confirmation while making production order / Process order confirmation.

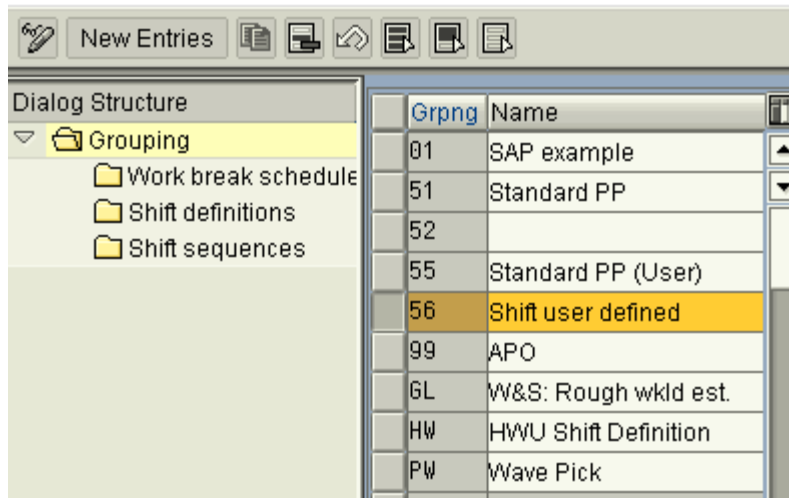
Configuration Required

Shift Sequence:

Create at least one shift grouping with shift definition and shift sequence in the following path

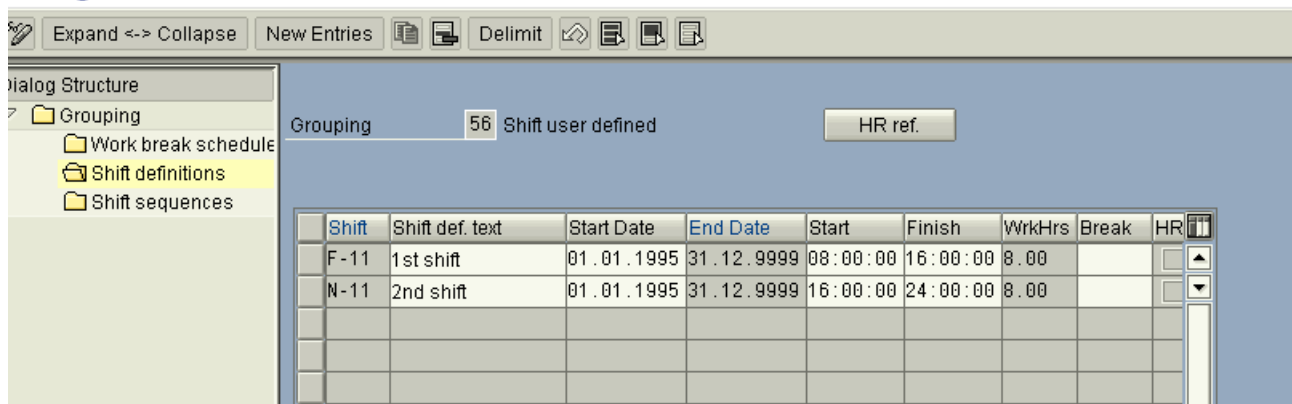
Path: Production-->Basic data-->work center-->Capacity Planning-->Available capacity-->define shift sequence

Change View "Grouping": Overview



Grpng	Name
01	SAP example
51	Standard PP
52	
55	Standard PP (User)
56	Shift user defined
99	APO
GL	W&S: Rough wkld est.
HW	HWU Shift Definition
PW	Wave Pick

Change View "Shift definitions": Overview



Shift	Shift def. text	Start Date	End Date	Start	Finish	WrkHrs	Break	HR
F-11	1st shift	01.01.1995	31.12.9999	08:00:00	16:00:00	8.00		
N-11	2nd shift	01.01.1995	31.12.9999	16:00:00	24:00:00	8.00		

Change View "Shift sequences": Overview

Seq.	Shift	Description	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
25	1	Two shifts	F-11	F-11	F-11	F-11			
25	2	Two shifts	N-11	N-11	N-11	N-11			

Configuration required for shift confirmation:

Production-->Shop floor control-->Operation-->confirmation-->Define confirmation parameters

Table View Edit Goto Selection Utilities(M) System Help

Change View "Parameters for Order Confirmation": Details

New Entries

Plant: 1000 Werk Hamburg
Order Type: PP01 Standard Production Order (int. number)

Generally Valid Settings Individual Entry General Indiv. Entry of Operation w. ...

Confirmation Function Excluding Single-Screen Entry
Confirmation Type: Automatic final confirmation
 Clear Open Reservations

Error Handling/Logs
 Actual Costs Termination for Incorrect Actual Costs
 Goods Movements Termination for Incorrect Goods Movements

Shift
Proposal: No Shift
 Shift Not Used
 No Shift
 Current Shift
 Previous Shift
 Shift for Planned Date "Execution Finish"

Customer-Specific Fields
 Operation Confirmation
 Header Confirmation

Notification Type
Type: F3 Material error
 Header Confirmation

In the above screen in the field "Proposal" one can specify which shift the system is to propose (set as the default value) in a confirmation.

The setting made here is effective in the confirmation transaction CO15.

You have to set the header confirmation check box in the above screen.

Similar settings can be made for process order confirmation also which will be effective in confirmation transaction CORK

One can choose between the following options in the *Proposal* (default value) field:

- **Shift not used**

With this setting, the *Shift* field is not visible on the entry screen for the confirmation.

- **No shift**

With this setting, the *Shift* field is visible in the confirmation but there is no default (proposed) value. You must manually choose a shift when entering the confirmation.

- **Current shift**

With this setting, the system proposes the shift that best suits the current local date and time.

- **Previous shift**

With this setting, the system proposes the shift that lies before the current shift.

- **Shift for planned date *Finish Execution***

With this setting, the system proposes a shift that matches up with the planned date *Latest Scheduled Finish: Execution (Date)* if this date lies in the future, the shift that matches up with the current local date and time is proposed.

If the system finds more than one suitable shift, it does not propose any shift.

Change View "Parameters for Order Confirmation": Details

The screenshot shows the 'Parameters for Order Confirmation' dialog box. The 'Plant' is 1000 (Werk Hamburg) and the 'Order Type' is PP01 (Standard Production Order). The 'Confirmation Function Excluding Single-Screen Entry' is set to 'Automatic final confirmation'. The 'Error Handling/Logs' section has 'Actual Costs' and 'Goods Movements' checked. The 'Shift' section has 'Proposal' set to 'No Shift' and 'Shift in Header Confirmation' checked. The 'Customer-Specific Fields' section has 'Header Confirmation' checked.

In this particular case 'No shift' option is selected.


Master Data

To use this functionality a specific master data requirement needs to be complied.

Work center maintenance:

Capacity header screen you have to fill the grouping like below:

Display Work Center Capacity: Header

Intervals and Shifts		Intervals		Available Capacity Profile		Reference Available Capacity	
Plant	1000	Werk Hamburg					
Work center	EHP_2	EHP_2					
Capacity category	001						
General data							
Capacity planner grp	101	Capacity planner 101					
<input type="checkbox"/> Pooled capacity		Grouping	56				
Available capacity							
Factory calendar ID	01	Factory calendar Germany standard					
Active version	1		Normal available capacity				
Base unit of meas.	H	Hour					

Then the shift sequence maintained in the grouping will take effect

Display Work Center Capacity: Shifts

Plant	1000	Werk Hamburg
Work center	EHP_2	EHP_2
Capacity category	001	
Version	1	Normal available capacity

Interval of available capacity			
Valid From	22.06.2009	Valid to	31.12.2009
Shift sequence	25	Two shifts	
Length of cycle	7	Number of shifts	2
<input type="checkbox"/> Stand. avail. cap.		Workdays	

Day	SNo	Day	Shift	Start	Finish	Breaks	Cap.	No.	Oper.	Capacity	Un
1	1	Mo	F-11	08:00:00	16:00:00	00:00:00	100	1	8.00	8	H
1	2	Mo	N-11	16:00:00	24:00:00	00:00:00	100	1	8.00	8	H
2	1	Tu	F-11	08:00:00	16:00:00	00:00:00	100	1	8.00	8	H
2	2	Tu	N-11	16:00:00	24:00:00	00:00:00	100	1	8.00	8	H
3	1	We	F-11	08:00:00	16:00:00	00:00:00	100	1	8.00	8	H
3	2	We	N-11	16:00:00	24:00:00	00:00:00	100	1	8.00	8	H
4	1	Th	F-11	08:00:00	16:00:00	00:00:00	100	1	8.00	8	H
4	2	Th	N-11	16:00:00	24:00:00	00:00:00	100	1	8.00	8	H

Confirmation Transaction

Confirmation of Production Order Enter : Actual Data

Goods Movements


Order: 60003545 Status: REL PRC MANC SETC
 Material Number: EHPFIN-1 Material for EHP Demo

Confirmation Type
 Partial Confirm. Final Confirm. Aut. Final Conf. Clear Reservation

Actual Data

	Current to Confirm	Unit	Confirmed to Date	Planned t/b Conf.	Unit
Yield to conf.	10	PC	0		10 PC
Confirmed scrap					
Rework					
Reason for Var.					

Personnel no.

Shift 

	To Be Confirmed		Confirmed to Date	Planned t/b Conf.
Execution start	29.07.2009	19:22:56		28.07.2009
Finish Execut.	29.07.2009	19:22:56		03.08.2009
Posting date	29.07.2009			

Confirm. text Long Text Exists

Here shift is not a default because in the configuration we have selected "No shift" option.

Confirmation of Production Order Enter : Actual Data

Goods Movements

Order: 60003545 Status: REL PRC MANC SETC
 Material Number: EHPFIN-1 Material for EHP Demo

Confirmation Type
 Partial Confirm. Final Confirm. Aut. Final Conf. Clear R

Actual Data

	Current to Confirm	Unit	Confirmed to Date	Planned
Yield to conf.	10	PC		0
Confirmed scrap				0
Rework				0
Reason for Var.				

Personnel no.

Shift: 2nd shift

	To Be Confirmed	Confirmed to Date	Planned t/b Conf.
Execution start	29.07.2009 19:22:56		28.07.2009
Finish Execut.	29.07.2009 19:22:56		03.08.2009
Posting date	29.07.2009		

Confirm. text Long Text Exists

User can fill the shift required of his choice

After confirming as above you can get the report in COOIS by selecting the confirmations as below:

Order Info System - Confirmations

Order	Confirm.	Yield	Unit	Scrap	Conf. unit	Conf. text	Proccsg. %	Work Ctr	Entered	Final Conf	Milestone	Oper./Act.	Subop.	Shift definition	Shift grouping
60003545	104988	10	PC	0	PC				SCMGEN	X				N-11	56

You can see in CO14 also as shown below:

Confirmation of Production Order Display : Actual Data

Goods Movements

Order	60003545	Status:	REL CNF DLV PRC GMPS MANC SETC
Material Number	EHPFIN-1	Material for EHP Demo	

Confirmation Type

Partial Confirm.
 Final Confirm.
 Clear Reservation

Actual Data

	Current to Confirm	Unit	Confirmed to Date	Planned t/b Conf.	Unit
Yield to conf.	10	PC	10	10	PC
Confirmed scrap	0		0	0	
Rework	0		0		
Reason for Var.					

Personnel no.	0			
Shift	2nd shift			

	To Be Confirmed	Confirmed to Date	Planned t/b Conf.
Execution start	29.07.2009 19:22:56	29.07.2009	28.07.2009
Finish Execut.	29.07.2009 19:22:56	29.07.2009	03.08.2009
Posting date	29.07.2009		

Confirm. text Long Text Exists

In the same way we can have operation wise confirmation also by configuring in OPKO(Single screen entry) and can be used in CO11N.

The other functionalities included in EHP3 are:

Shift Note:

A shift note is a brief comment on an event. Such a comment cannot be entered elsewhere (for example, in a confirmation or a maintenance notification). Examples of such events that have to be reported include:

- Comments on a work center
- Change of material

Shift Report:

The shift report is created by the shift manager or production supervisor in relation to a work center in order to collect all important information on the current shift.

At the end of a shift, the user can manually generate a PDF document. The PDF document of the shift report can consist of the following parts:

- Header data and company logo
- Shift notes
- Confirmation data including activity confirmations goods movements
- Maintenance notifications
- Graphical evaluations

You can flexibly specify which of this information is to be part of the shift report and what the layout of the shift report is to look like in Customizing for the shift report.

Business Benefits

- The user can report shift wise production quantities precisely and also scrap quantities during production confirmation.
- One can have the shift wise production quantities and scrap quantities in the form of customized Report.
- By having the report of production quantities and scrap quantities accountability can be fixed.
- Monitoring will be effective.
- There is a scope for improvement in the efficiency.
- This improvement will finally result in increased productivity.

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