### Introduction to MS Dynamics

(Warehouse Management Role Tailored Client version) show for NAV 2016W1 and NAV 2016CZ

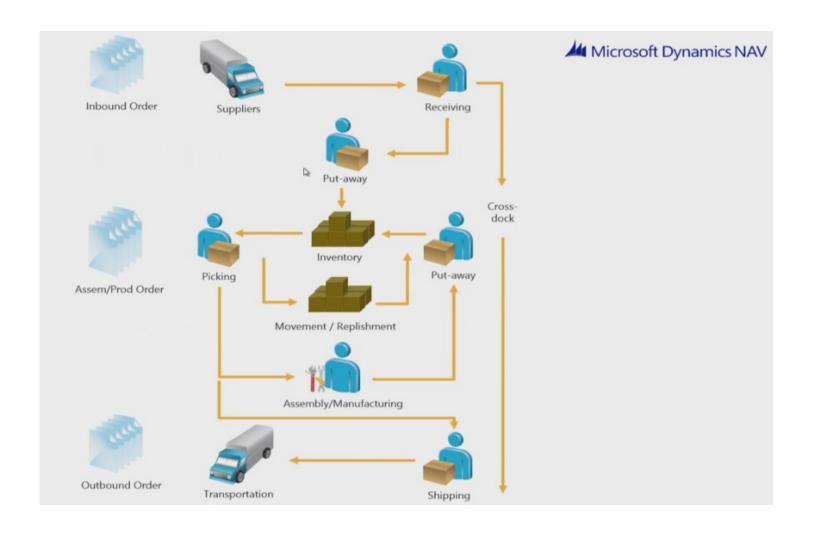
Ing.J.Skorkovský,CSc.

MASARYK UNIVERSITY BRNO, Czech Republic
Faculty of economics and business administration
Department of corporate economy

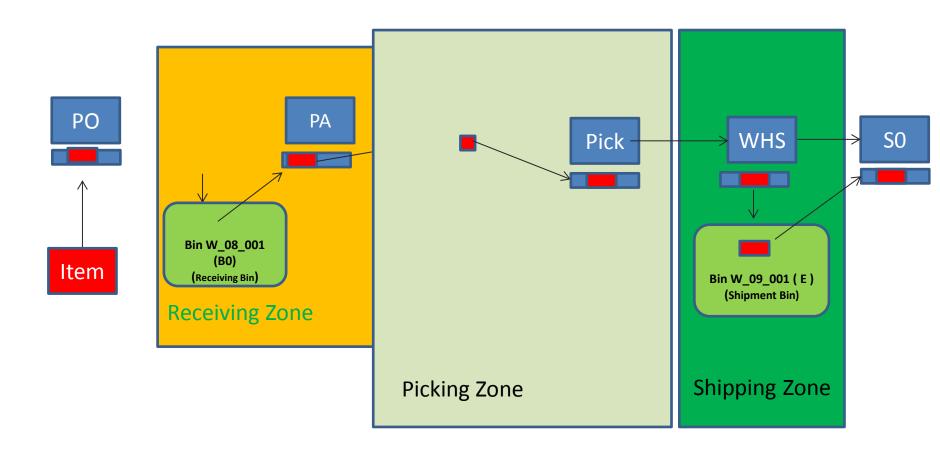
#### Simplified Warehouse Management (WM)

- Use of location White-see setup next slides
- WM creates another types of entries than Item Ledger Entries, Reservation Entries or Value Entries – Warehouse Entries
- Causes of these entries are another stock operations:
  - Receipt
  - Put-away
  - Pick
  - Shipment

### Warehouse workflow

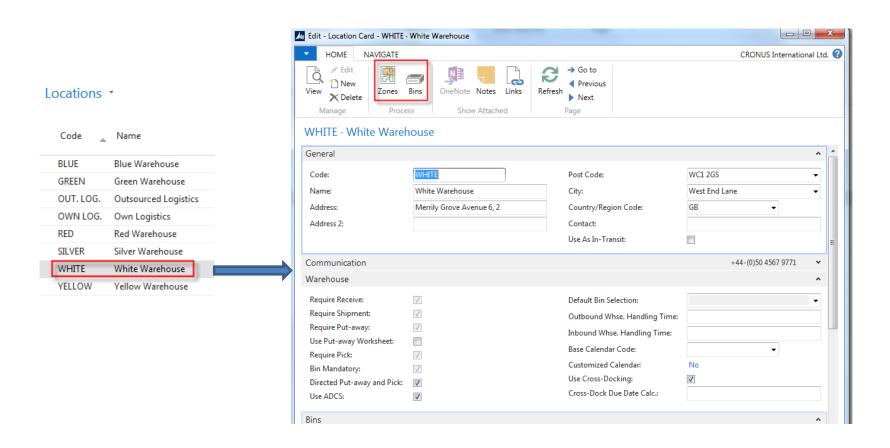


#### Main WM Outline

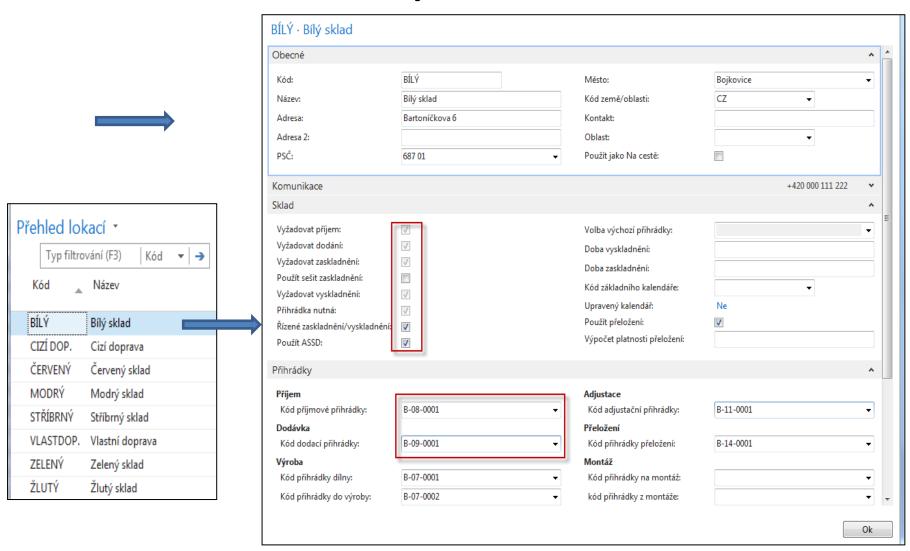


WHR=Warehouse Receipt; PA=Put-away; PO=Purchase Order; SO=Sales Order

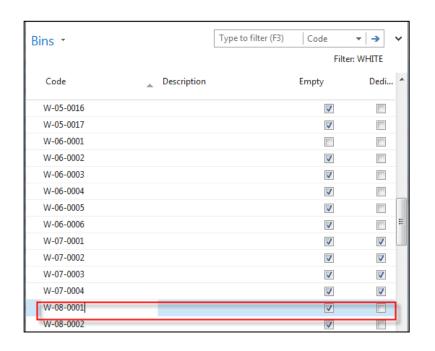
### Location setup-White 2016W1



### Location setup-White 2016CZ



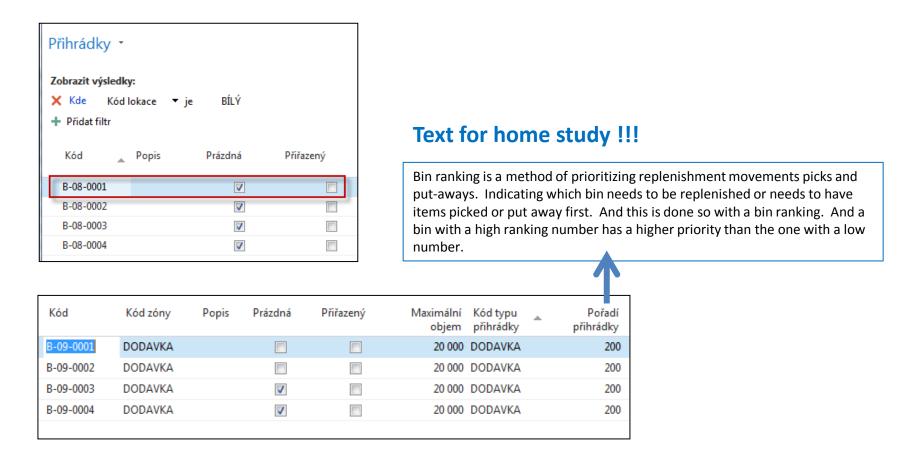
#### From White Location to Bins 2016W1



Bins can be empty or not, dedicated or floating and so on. It is described in related word document (WHM setting)



#### From White Location to Bins 2016CZ

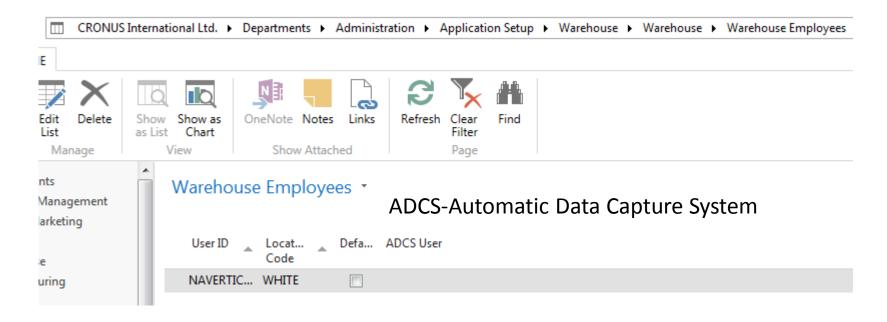


Bins can be empty or not, dedicated or floating and so on. It is described in related word document (WHM setting) – see study material!!

### WH Zones 2016 CZ

Zóny *	óny *					trování (F3) Kó
Kód	Popis	Kód typu přihrádky	Kód třídy skladu	Kód speciálníh	Pořadí zóny	Zóna přihrádky přeložení
ADJUSTACE	Virtuální pro adjustaci	KVAL			0	
DODAVKA	Dodací zóna	DODAVKA		RV2	200	
KVAL	Zóna kontroly kvality	KVAL			0	
OBJEMNÉ	Skladovací zóna	ZASKL		VÝTAH	50	
PŘELOŽENÍ	Přeložení	VYSKLZASKL			0	<b>V</b>
PŘÍJEM	Přijímací zóna	PŘÍJEM		RV1	10	
REGÁL	Zóna regálů	VYSKL			5	
VÝROBA	Výroba	KVAL		VÝTAH	5	
VYSKL	Vyskladňovací zóna	VYSKLZASKL			100	

#### Setup of WH employee (e.g Puller or Picker)-2016W1



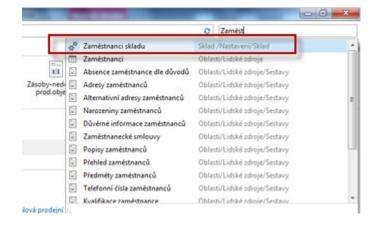
You can use your automatic data capture system (ADCS) to register all movements of items within the warehouse and to register all

journal activities, including quantity adjustments in the warehouse item journal, physical inventories and reclassifications.

Text for home study !!!

To use ADCS, each item stored in the warehouse must be given an item identifier. You must also set up mini-forms, handheld functions, data exchanges and some fields concerning ADCS, all of which you can find in the Warehouse Management Setup window.

#### Setup of WH employee (e.g Puller or Picker) 2016CZ





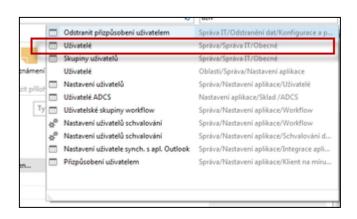
**ADCS-Automatic Data Capture System** 

#### Text for home study !!!

You can use your automatic data capture system (ADCS) to register all movements of items within the warehouse and to register all journal activities, including quantity adjustments in the warehouse item journal, physical inventories and reclassifications.

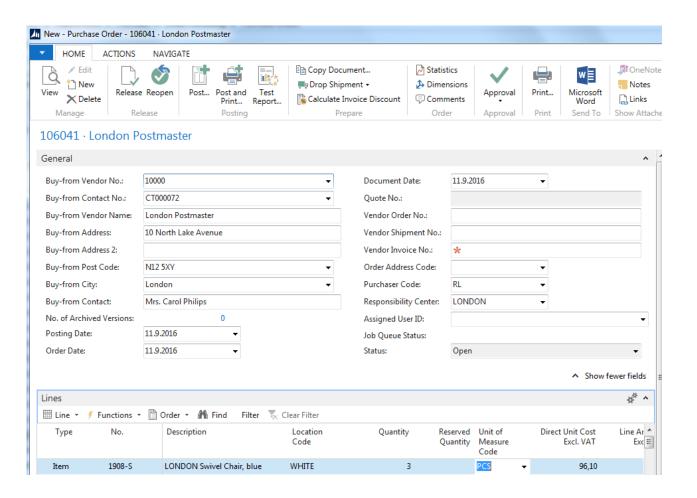
To use ADCS, each item stored in the warehouse must be given an item identifier. You must also set up mini-forms, handheld functions, data exchanges and some fields concerning ADCS, all of which you can find in the **Warehouse Management Setup window**.

### User setup 2016CZ

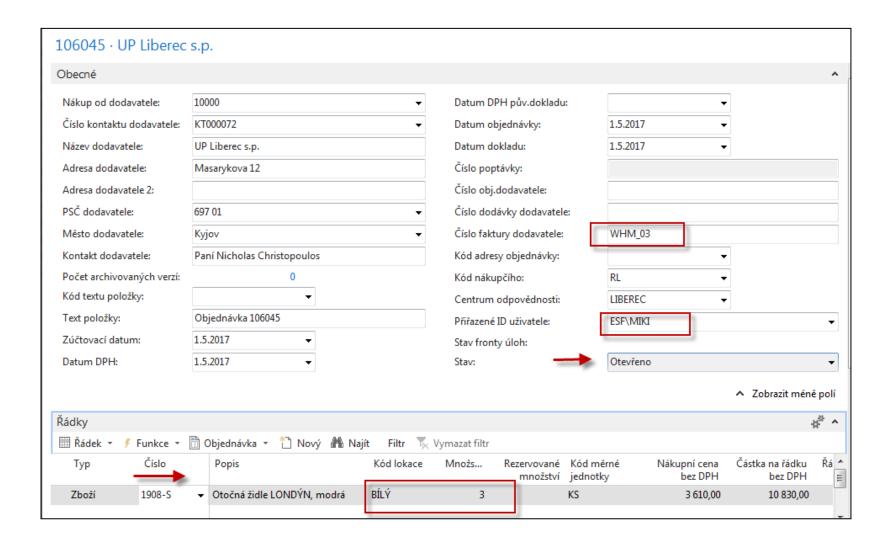




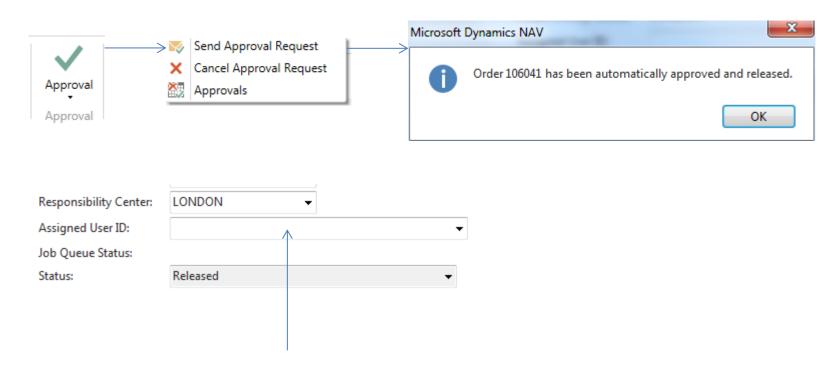
#### Purchase Order 2016W1



#### Purchase Order 2016CZ

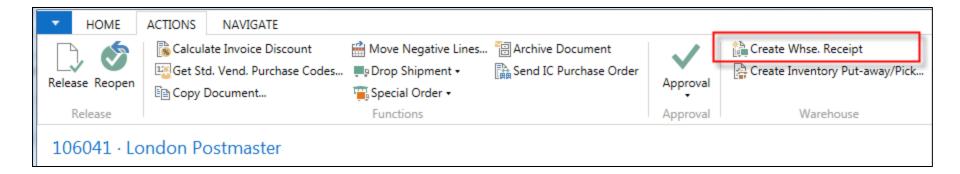


# PO have to be firstly Approved ->Released 2016W1 (Approval will be not employed in 2016CZ!! Only Releasing)

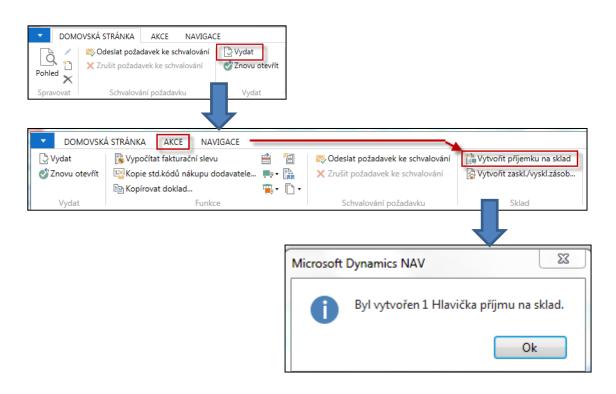


Enter by F4 assigned employee (Puller,...)

## Creation of WH Receipt 2016W1

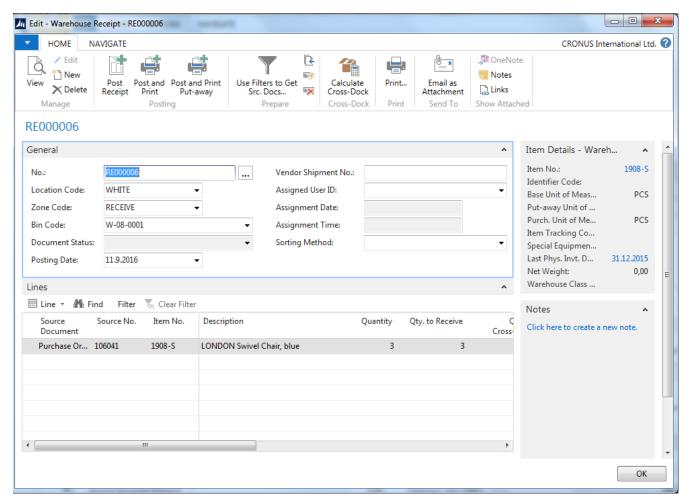


### PO have to be firstly released 2016CZ



SEE next slide for NAV 2016CZ

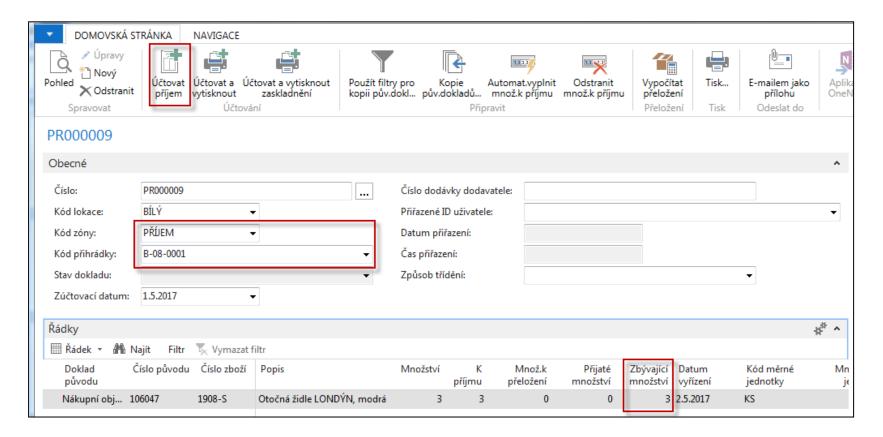
## Created WH Receipt 2016W1



You can see Receiving bin (W-08-0001, see white location setup).

Zone: RECEIVE

### Created WH Receipt 2016CZ

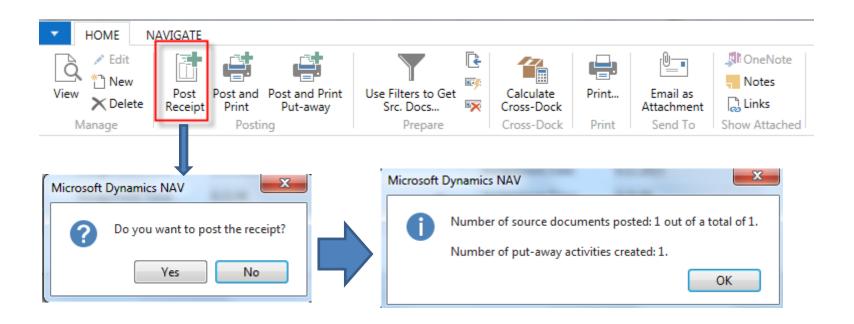


You can see Receiving bin (W-08-0001, see white location setup).

Zone: RECEIVE

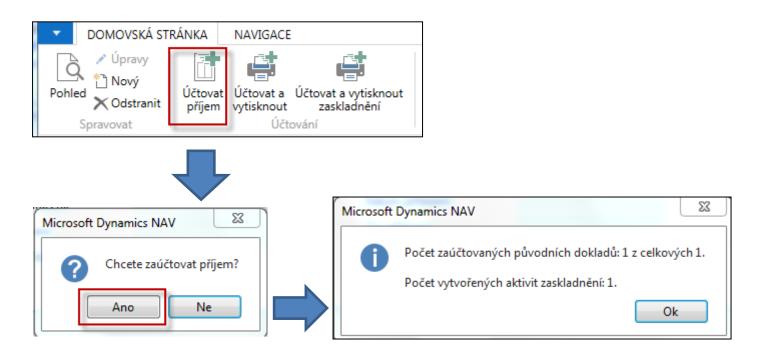
SEE next slide for NAV 2016CZ

#### Posting of this document (WHR) 2016W1



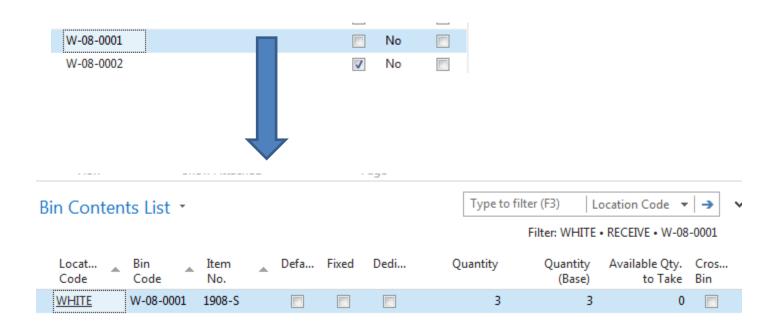
Put-away is automatically created after Posting (F9) of Receiving document !!!

### Posting of this document (WHR) 2016CZ

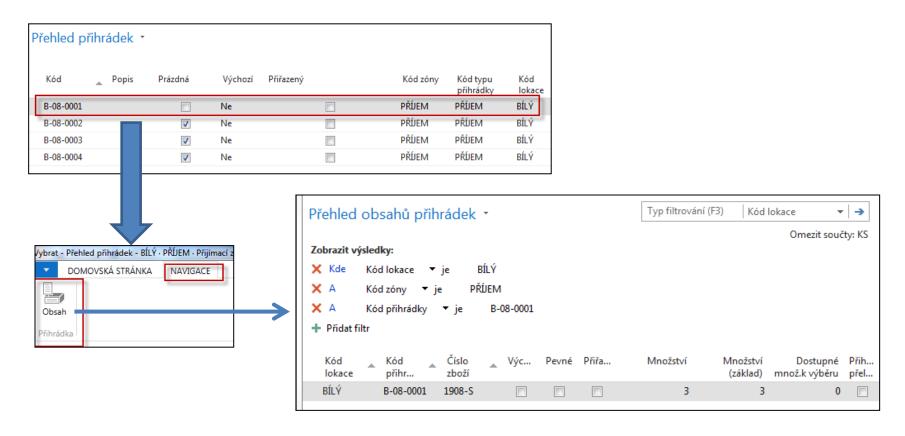


Put-away is automatically created after Posting (F9) of Receiving document !!!

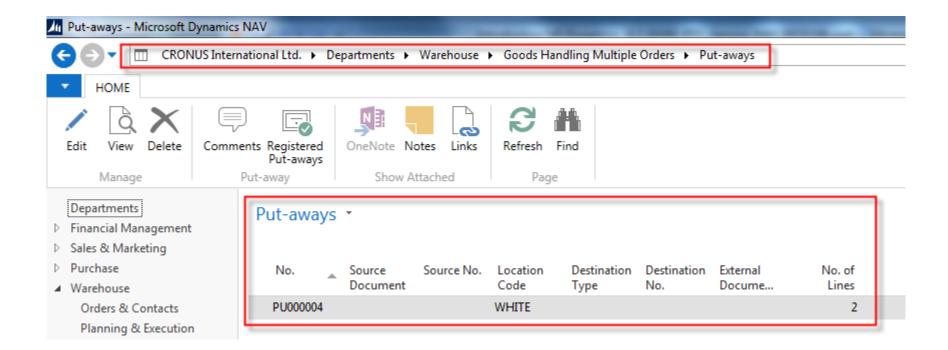
### Receive bin is not empty 2016W1



### Receive bin is not empty 2016CZ



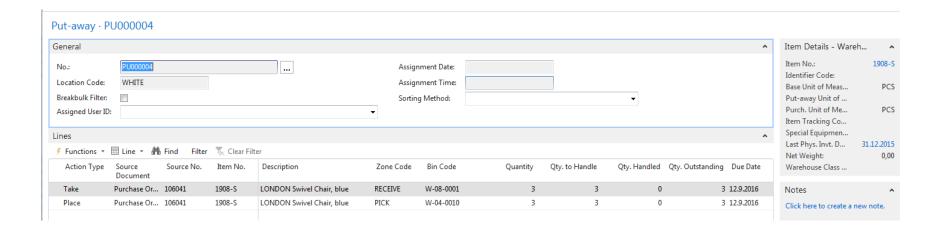
## Put-away line 2016W1



### Put-away line 2016CZ

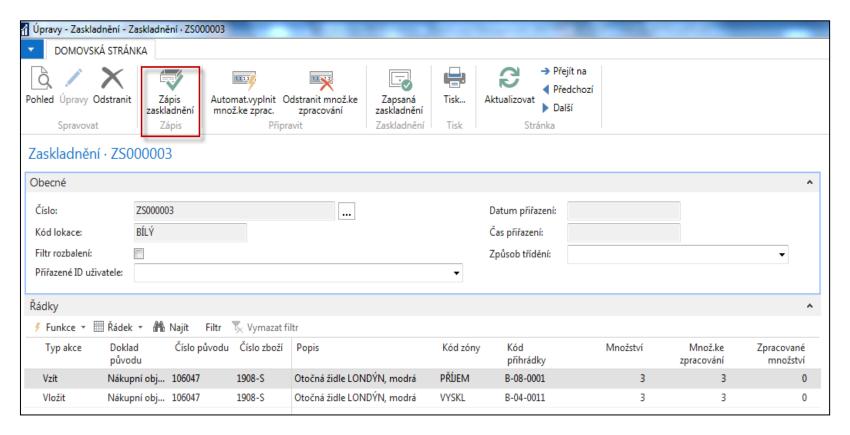


## Put-away document 2016W1



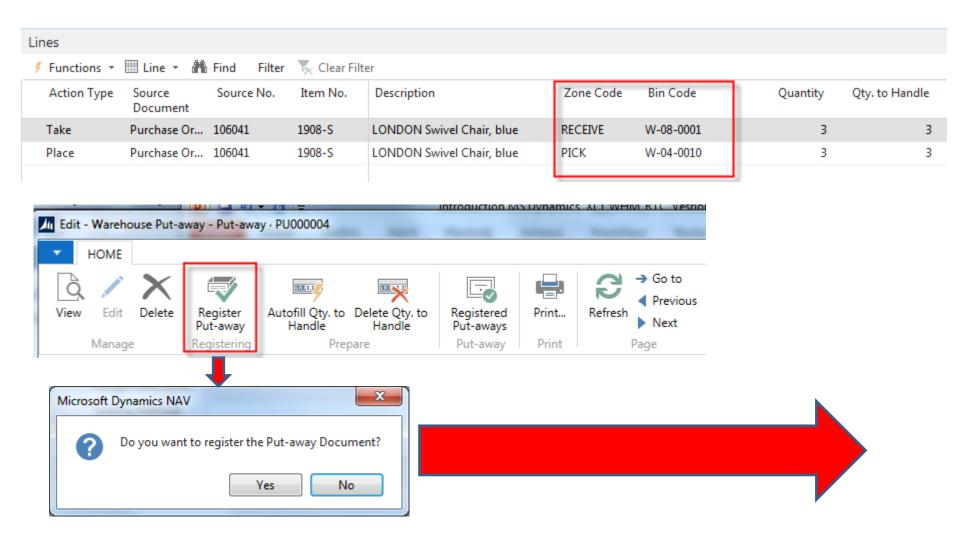
Two actions: Take from bin W 08 0001 and Place to suggested W 04010

## Put-away document 2016CZ

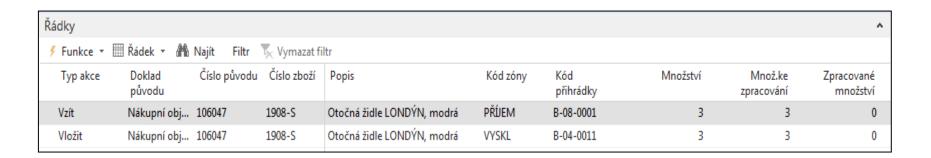


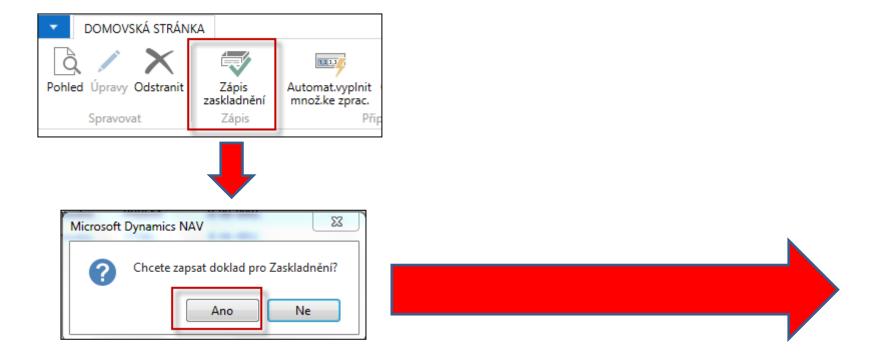
Two actions: Take (Vzít) from bin B\_08\_0001 and Place (Vložit) to suggested B\_04011

### Register Put-Away 2016W1



### Register Put-Away 2016CZ

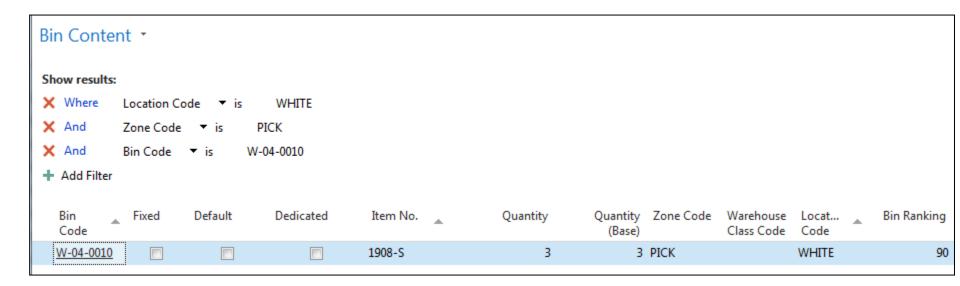




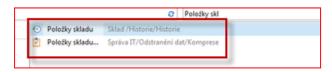
#### WH entries 2016W1

Positive A WHITE	RECEIVE	W-08-0001	1908-S	3 PCS	1	3 P. Order	106041	10000	Receipt	R_000004
Movement WHITE	RECEIVE	W-08-0001	1908-S	-3 PCS	1	-3 P. Order	106041	10000	Receipt	R_000004
Movement WHITE	PICK	W-04-0010	1908-S	3 PCS	1	3 P. Order	106041	10000	Receipt	R_000004

#### Report Bin Content

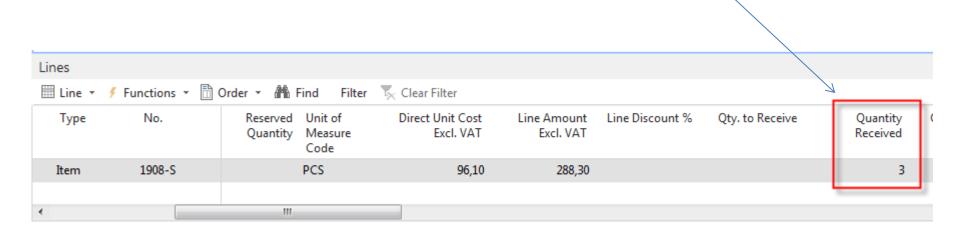


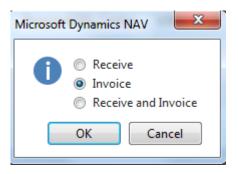
#### WH entries 2016CZ



Položky skladu 🔹						19	1908-S		Číslo zboží				
Typ položky	Kód lokace	Kód zóny	Kód přihrádky	Číslo zboží	Popis	Kód varianty	Množ	Kód měrné jednotky	Množstv jednot		ožství klad)	Doklad původu	Číslo původu
Příjem	BÍLÝ	PŘÍJEM	B-08-0001	1908-S			3	KS		1	3	Nák.objed	106047
Přesun	BÍLÝ	PŘÍJEM	B-08-0001	1908-S			-3	KS		1	-3	Nák.objed	106047
Přesun	BÍLÝ	VYSKL	B-04-0011	1908-S			3	KS		1	3	Nák.objed	106047

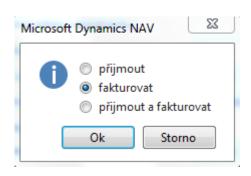
### Posting of PO-only Invoice 2016W1!!!





### Posting of PO-only Invoice 2016CZ1!!!

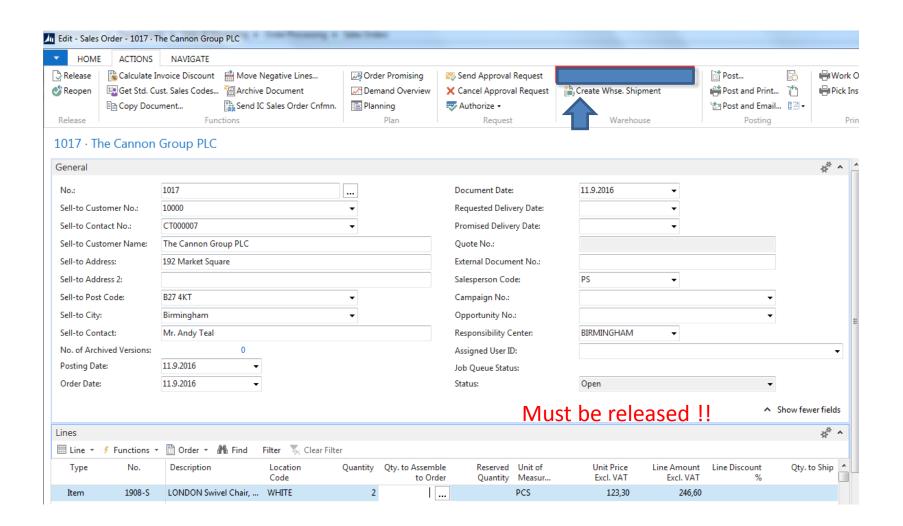
#### Header of PO Řádky ٨ 🖺 Objednávka 🔻 🖺 Nový 🧥 Najít 🛮 Filtr 🌄 Vymazat filtr ∮ Funkce ▼ Číslo Тур Popis Kód lokace Množs... Rezervované Kód měrné Nákupní cena Částka na řádku jednotky bez DPH bez DPH množství BÍLÝ Otočná židle LONDÝN, modrá KS 3 610,00 10 830,00 1908-S 3 Zboží



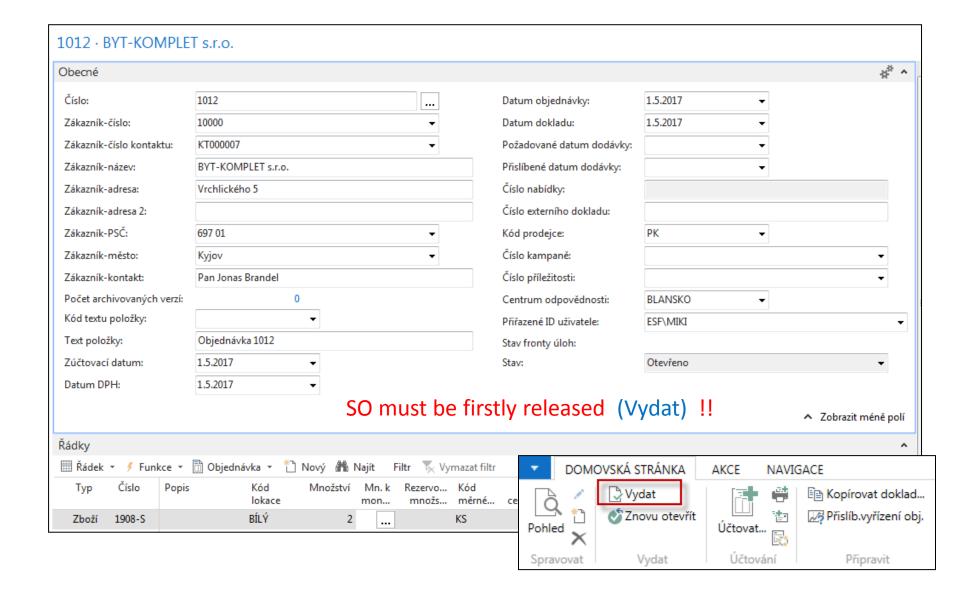


#### Sales order and creation of WHS Shipment 2016W1

(error in picture, marked must be lower one : Create Warehouse-Shipment!!)

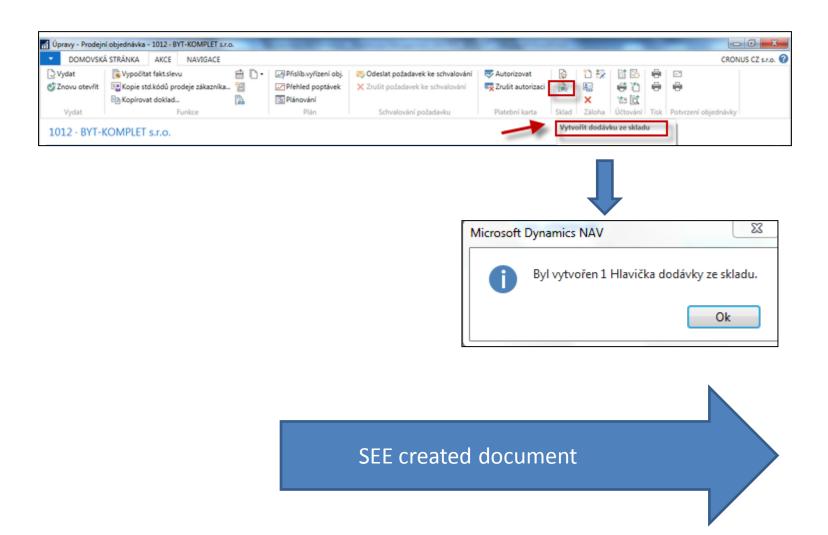


#### Sales Order (SO) and creation of WHS Shipment 2016CZ

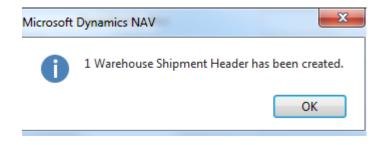


## Sales Order (SO) WHS Shipment 2016CZ

(vytvoření dodávky ze skladu-picking)

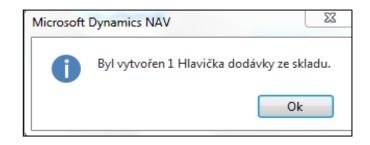


#### Warehouse Shipment has been created 2016W1



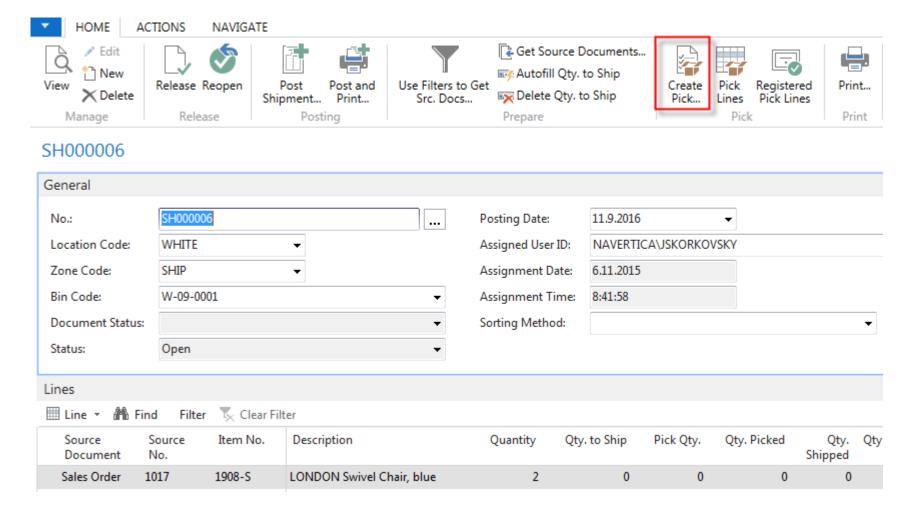


## Warehouse Shipment has been created 2016CZ

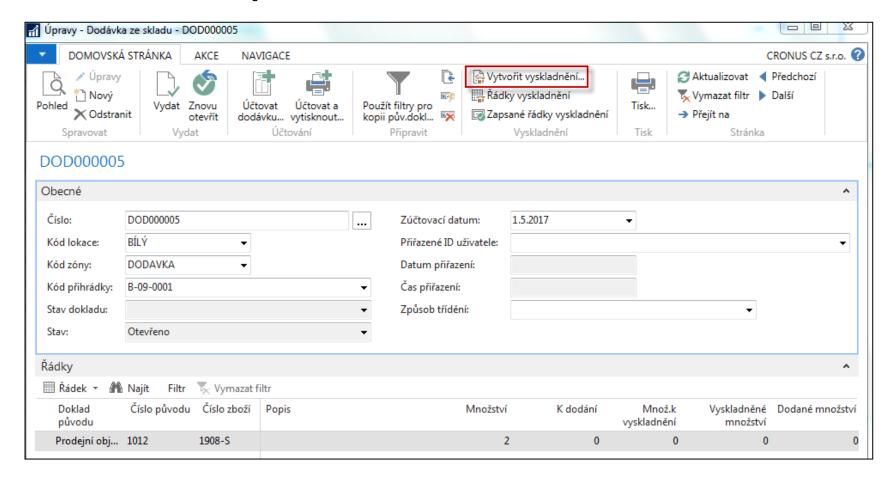




## WH Shipment document 2016W1

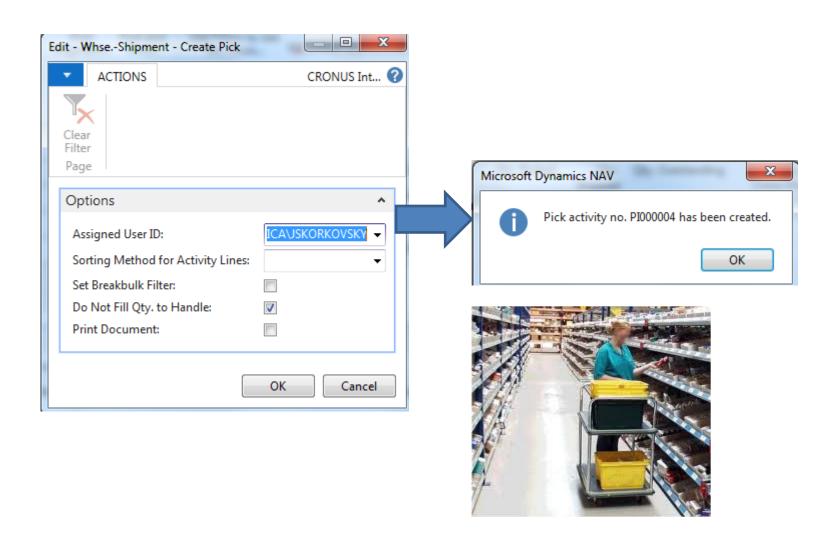


# WH Shipment document 2016CZ

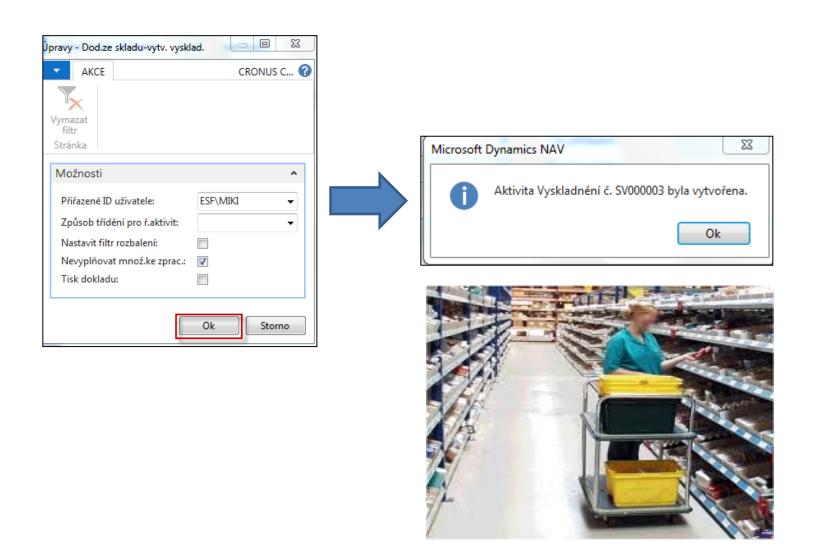


From this document you have to Create Pick! (Vytvořit vyskladnění)!!

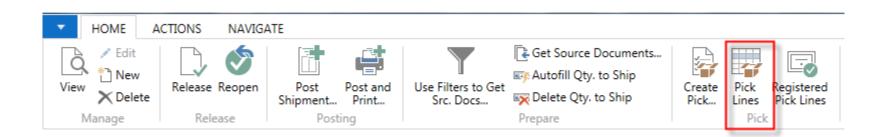
#### Parameters necessary to create pick 2016W1

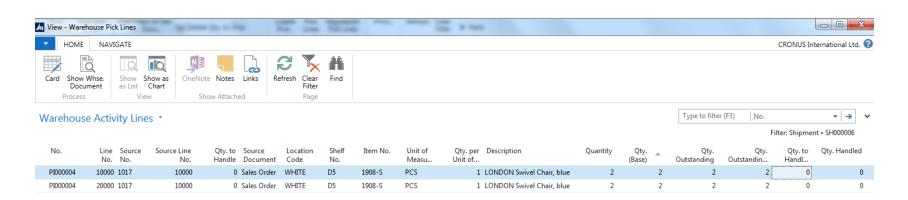


#### Parameters necessary to create pick 2016CZ1

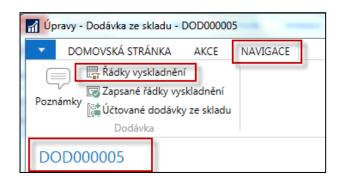


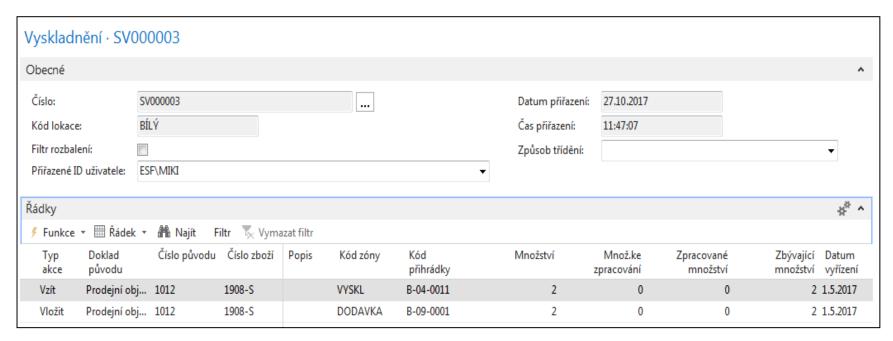
## Pick lines 2016W1



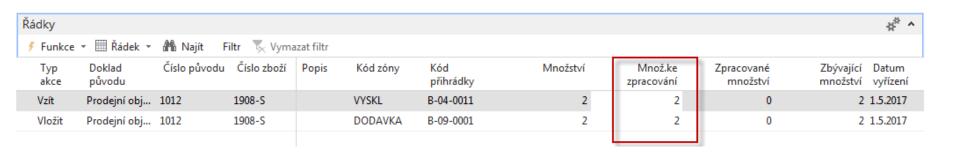


## Pick lines 2016CZ

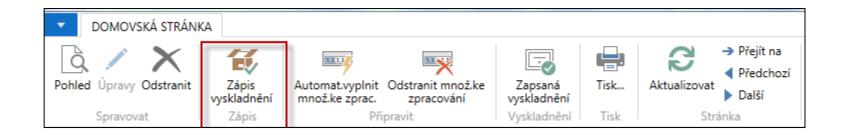




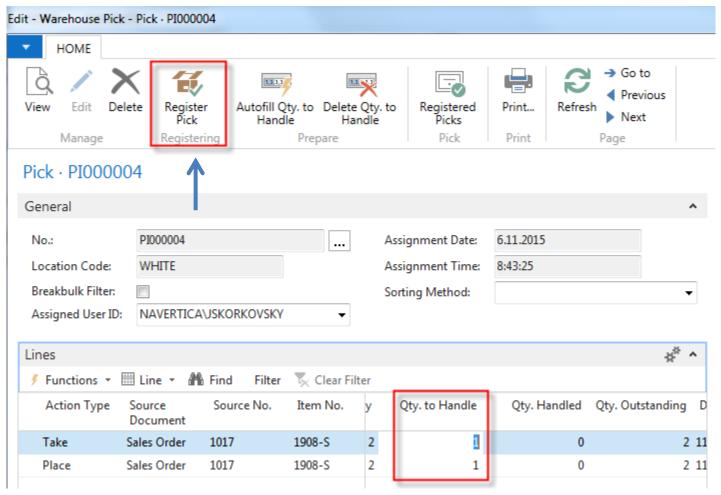
## Pick lines 2016CZ



Manually enter quantity to handle (Množství ke zpracování)

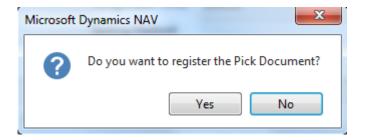


## Pick document 2016W1



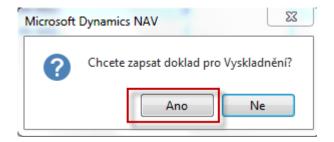
You must enter manually or by BAR code reader Quantity to handle!!

## Registering Pick Document 2016W1



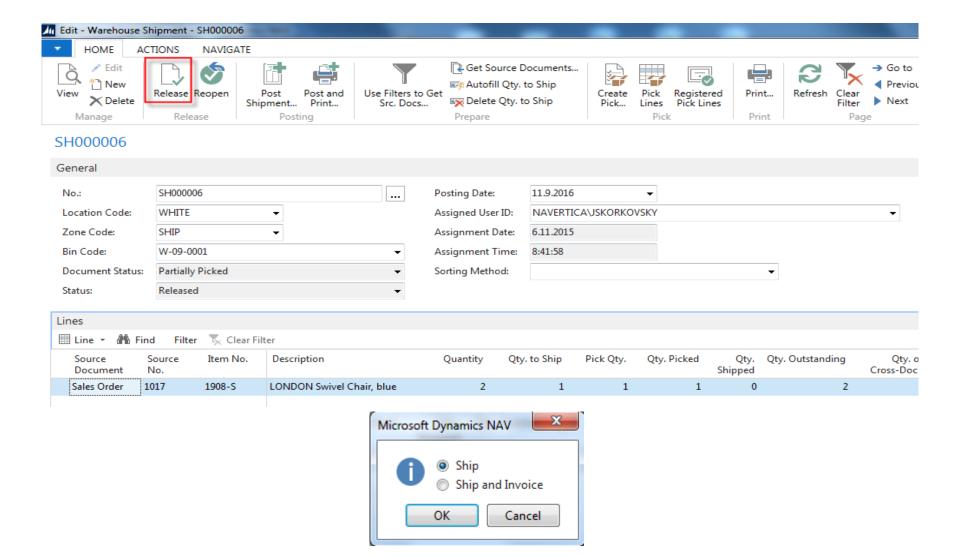


# Registering Pick Document 2016CZ

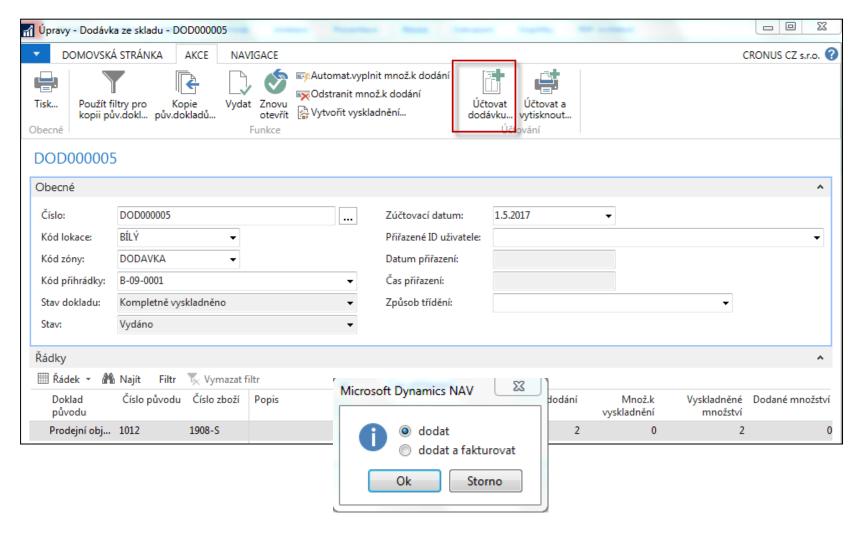




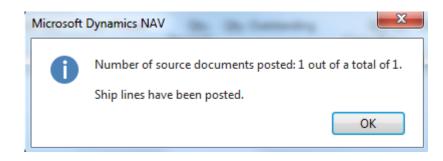
## Shiping from WH Shipment 2016W1



# Shiping from WH Shipment 2016CZ

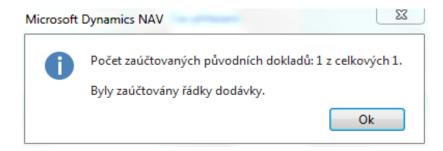


# Ship lines has been posted 2016W1



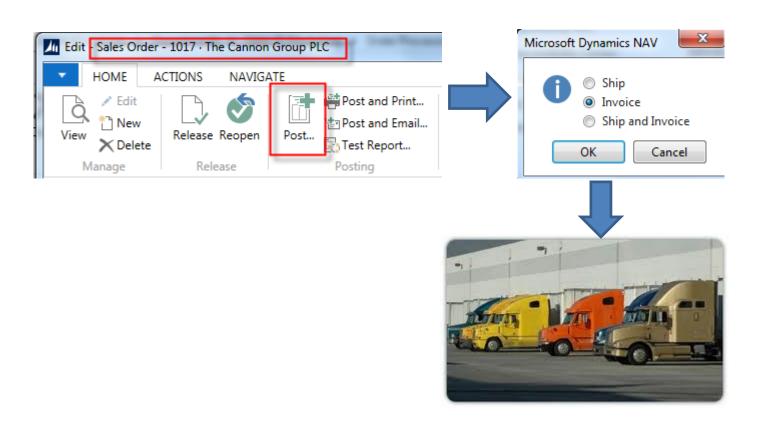


# Ship lines has been posted 2016CZ

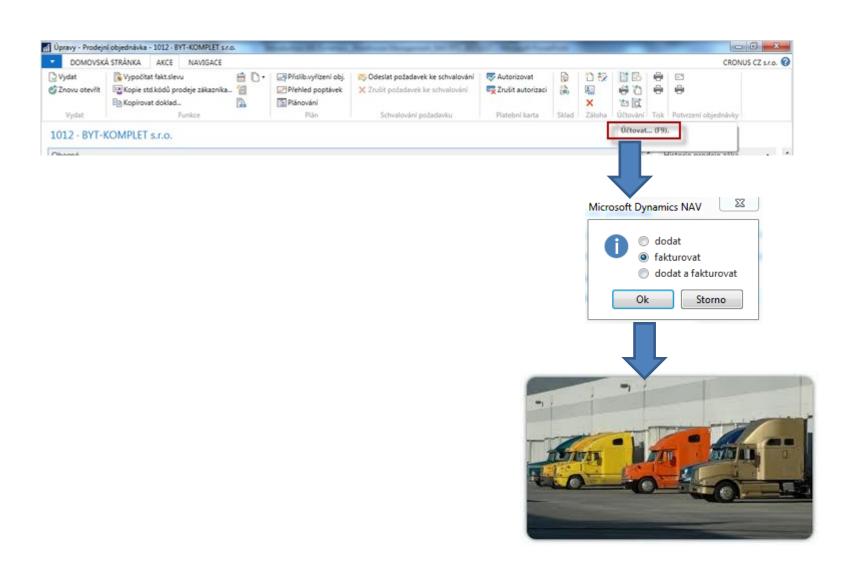




# Posting of Sales order 2016W1



# Posting of Sales order 2016CZ



#### Item ledger entries ands WH ledger entries 2016CZ

Zúčtovací datum	Typ položky	Typ dokladu	Číslo dokladu	Č Popis	Kód lokace	Množství	Fakturo množs	Zůstatek (mno	Částka prodeje (skutečná)	Částka nákladů	Částka nákladů (neinv.)	Ote
1.5.2017	Nákup	Nákupní příjemka	107058	1908-S	BÍLÝ	3	3	1	0,00	10 830,00	0,00	<b>V</b>
1.5.2017	Nákup	Nákupní příjemka	107059	1908-S	BÍLÝ	3	0	3	0,00	0,00	0,00	7
1.5.2017	Prodej	Prodejní dodávka	102050	1908-S	BÍLÝ	-2	0	0	0,00	0,00	0,00	

oložky sk	ladu 🕶				Typ filt	Typ filtrování (F3)		Typ položky			
Typ polož	Kód lokace	•	Kód zóny	Kód přihr	Číslo zboží	•	Popis	Kód varia	_	Množství	Kód měrn
Přesun	BÍLÝ		VYSKL	B-04-0011	1908-S					3	KS
Přesun	BÍLÝ		VYSKL	B-04-0011	1908-S					-2	KS
Příjem	BÍLÝ		PŘÍJEM	B-08-0001	1908-S					3	KS
Příjem	BÍLÝ		PŘÍJEM	B-08-0001	1908-S					3	KS
Přesun	BÍLÝ		PŘÍJEM	B-08-0001	1908-S					-3	KS
Výdej	BÍLÝ		DODAVKA	B-09-0001	1908-S					-2	KS
Přesun	BÍLÝ		DODAVKA	B-09-0001	1908-S					2	KS

# Classic 2009NAV -WHM

## Location White I

Warehouse	General Communication Warehouse Bins Bin Policies
Warehouse  Orders & Contacts  Planning & Execution  Goods Handling Order by Order  Inventory  History  Setup  Warehouse Setup  Locations	General Communication Warehouse Bins Bin Policies   Require Receive
Shipment Shipment Bin Code	Adjustment Adjustment Bin Code W-11-0001 Cross-Dock Cross-Dock Bin Code W-14-0001 Bill of Material Inbound BOM Bin Code . Outbound BOM Bin Code .

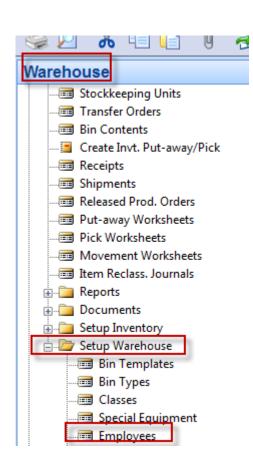
## Location White II

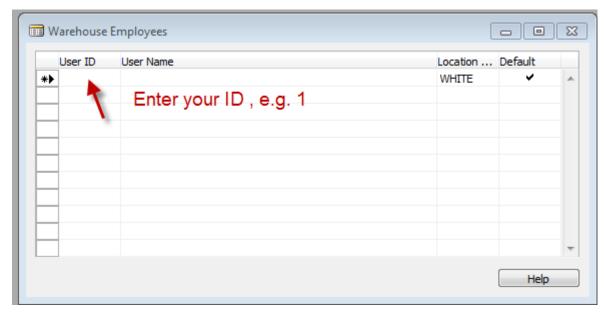
General Communication Warehouse Bins Bin Policies			
Receipt Receipt Bin Code	Adjustment Bin Code W-11-0001  Cross-Dock		
Shipment Bin Code	Cross-Dock Bin Code W-14-0001		
Open Shop Floor Bin C W-07-0001 Inbound Production Bi W-07-0002	Inbound BOM Bin Code .  Outbound BOM Bin Code.		
Outbound Production W-07-0003		-	D 6 1
ode Description		Empty	Default

W-08-0001

U.

# Setup if ID exists and we have to assign warehouse employee

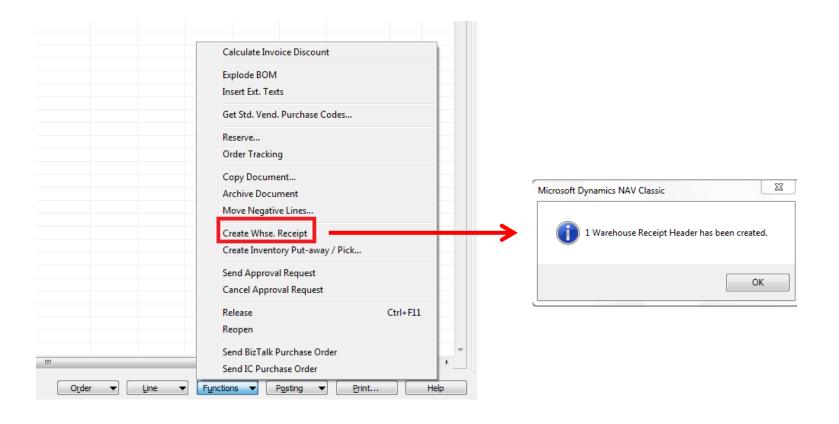




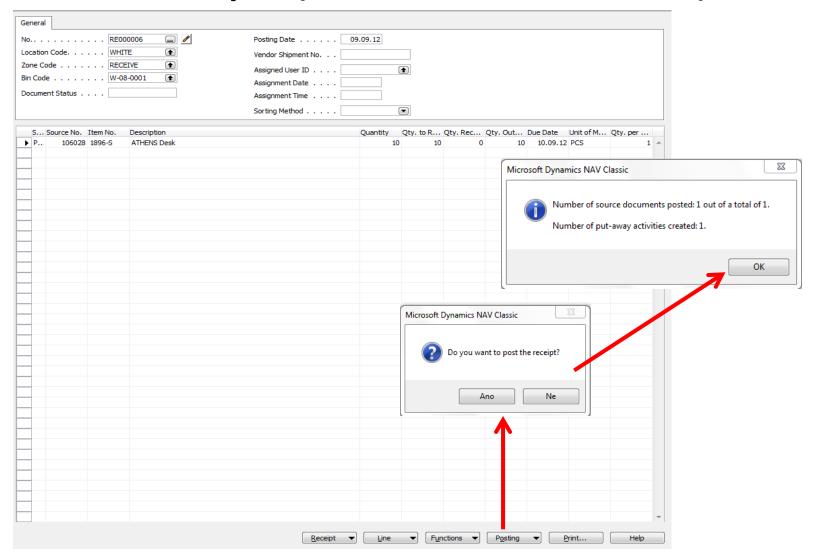
# PO and Open->Release

General Invoicing Ship  No	10000 1 CT000066 1 London Postmaster  10 North Lake Avenue  N12 5XY 1 London  Mrs. Carol Philips	Posting Date . Order Date . Document Date Quote No Vendor Order No Vendor Shipment Vendor Invoice No Order Address C Purchaser Code	09.09.12 09.09.12 09.09.12 00.00 10.00 10.00 RL RL			Vendor Information Buy-from Vendor  Order Addresses  Qontacts Purchase History  Pay-to Vendor
	scription HENS Desk	Location Code Quantity 10		Direct Unit Line Amount Cost Excl Excl. VAT 506,60 5 066,00	Disco Receive	Item Information  Item Card  Availability (10)  Purchase Prices (0)  Purchase Line Di (0)
4	III O <u>r</u> de	r ▼ Line	▼ Functions ▼	Posting ▼ Print	Help	

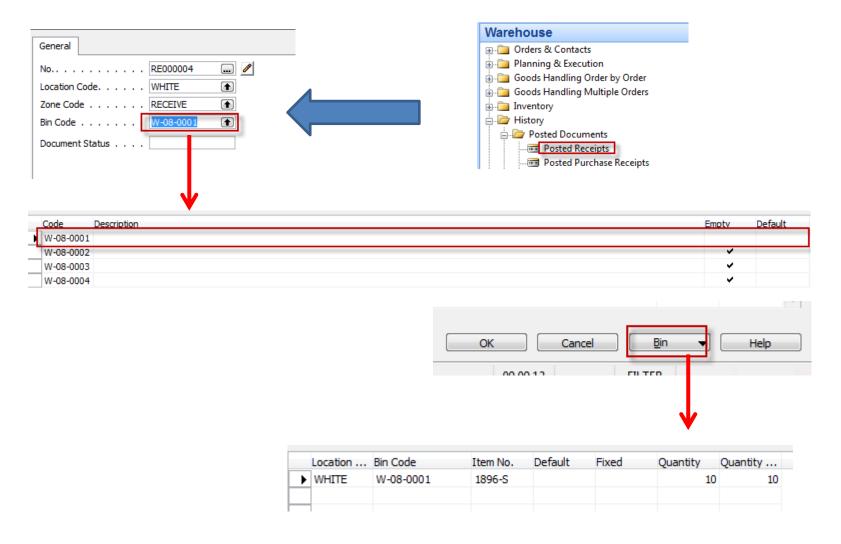
# Creation of the Warehouse Receipt



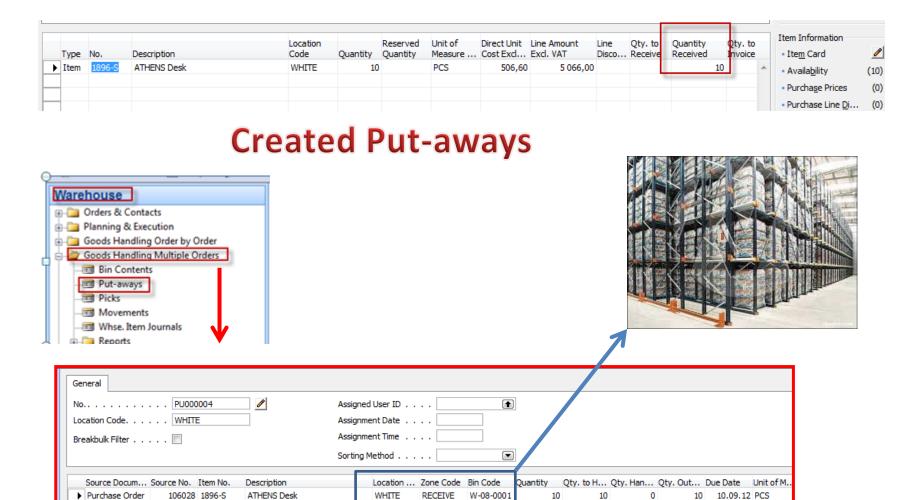
# WH Receipt (F11->PA created)



## Receipt bin content



## PO Lines after WH Receipt was posted



You can show a column there Action /Take-Place)

PICK

WHITE

W-03-0001

10

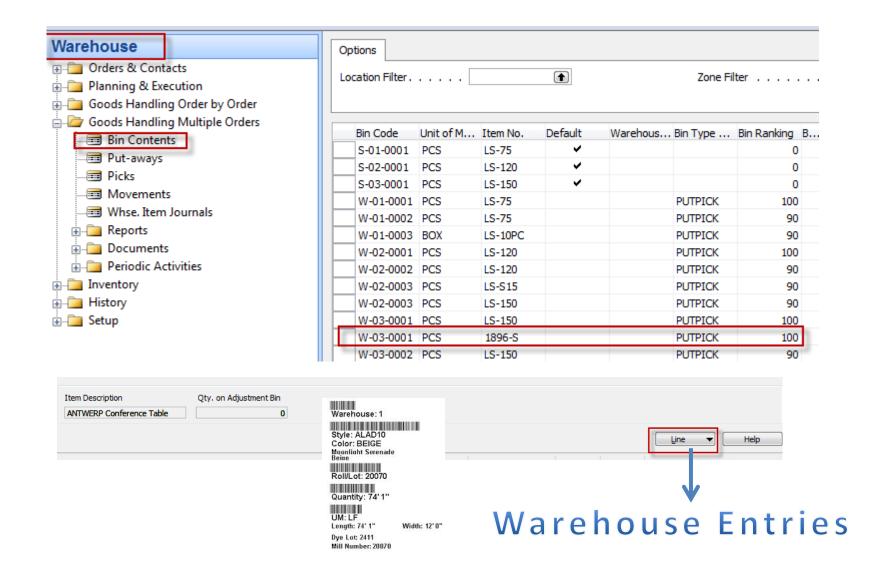
10.09.12 PCS

Purchase Order

106028 1896-S

ATHENS Desk

# Registering Put-aways (F11)



## Warehouse Entries

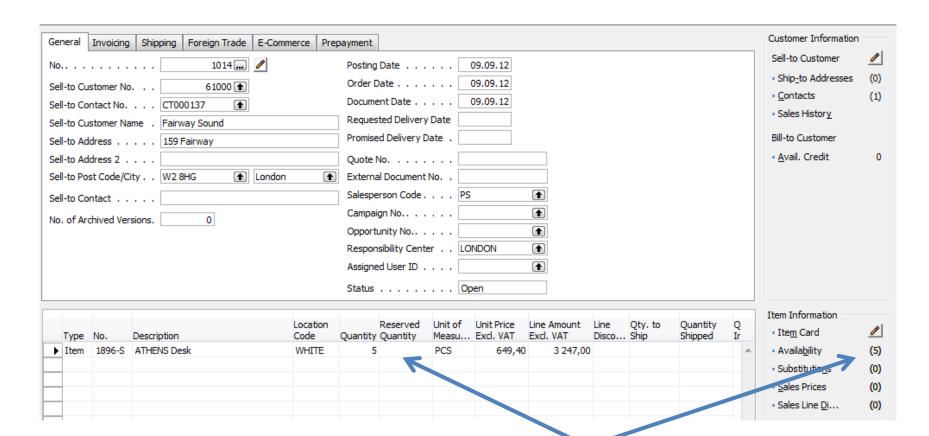
	Location						Variant		Unit of Measure :
Entry Type	Code	Lot No.	Zone Code	Bin Code	Item No.	Description	Code	Quantity	Code I
Movement	WHITE		PICK	W-03-0001	1896-S			10	PCS



Posting PO (only Invoice)

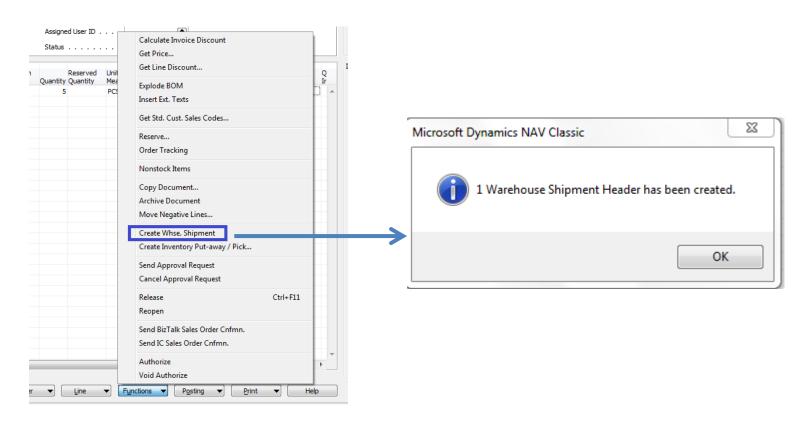


## Sales Order

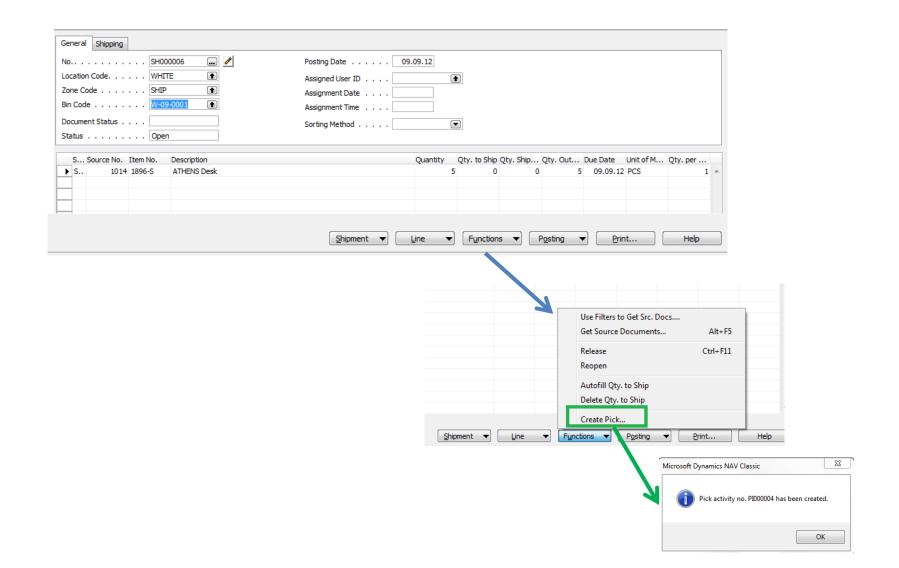


# Creation of Warehouse Shipment

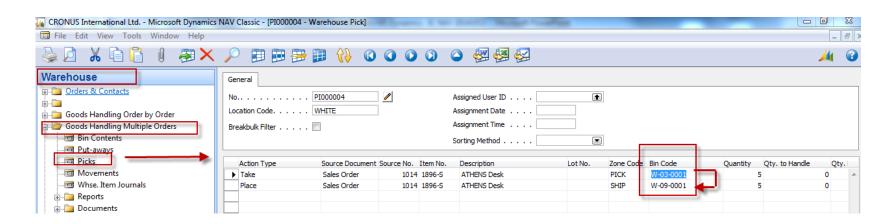
Before WHS creation change SO status from Open to Released!!



## WHS Document and Pick Creation



## **Created Pick**





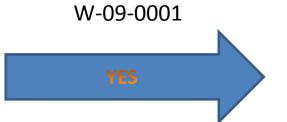
W-03-0001



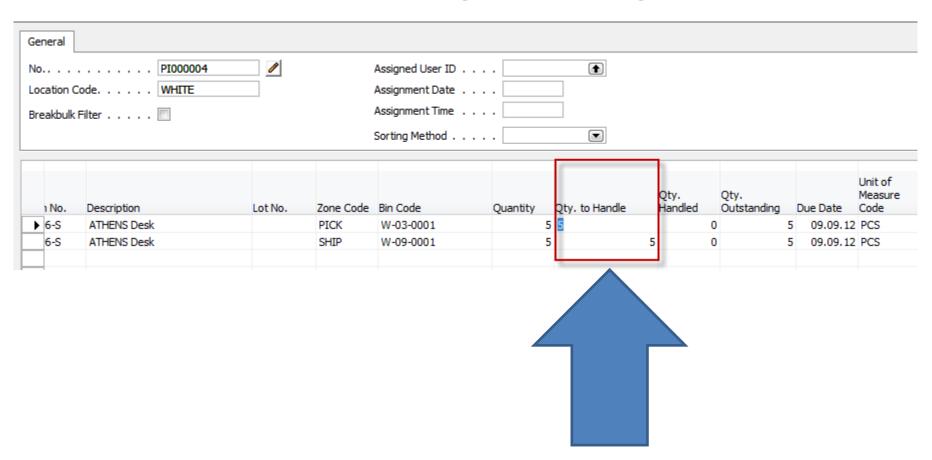
Microsoft Dynamics NAV Classic

Do you want to register the Pick Document?

Ano Ne

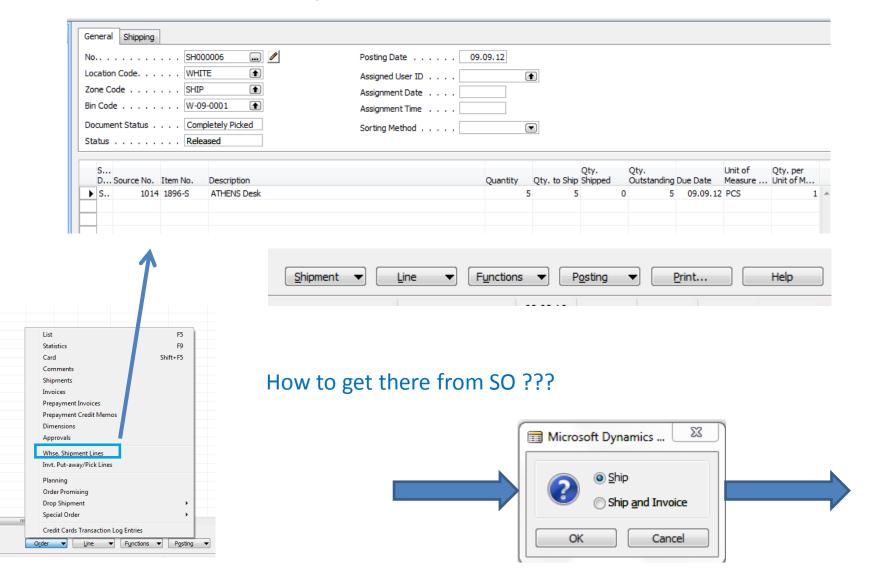


# Before Registering ...



Enter Quantity to Handle

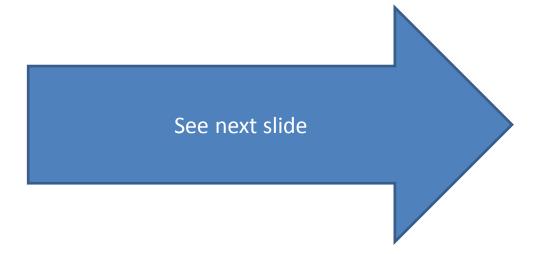
# WH Shipment document



# SO -Post only Invoice

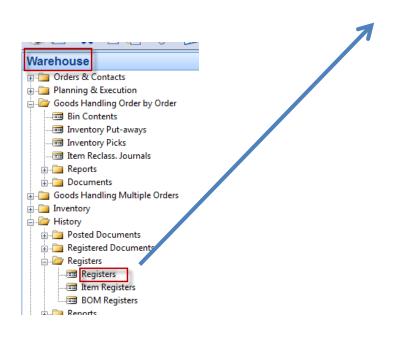


#### **Warehouse Entries**



## Warehouse Entries

Entry Type	Location Code	Zone Code	Bin Code	Item No.	Whse. Document No.	Description	Source No.		Unit of Measure Code	Source Document	Source Line No.	Whse. Documen
Positive Adjmt.	WHITE	RECEIVE	W-08-0001	1896-S	R_000004		106028	10	PCS	P. Order	10000	Receipt
Movement	WHITE	RECEIVE	W-08-0001	1896-S	R_000004		106028	-10	PCS	P. Order	10000	Receipt
Movement	WHITE	PICK	W-03-0001	1896-S	R_000004		106028	10	PCS	P. Order	10000	Receipt
Movement	WHITE	PICK	W-03-0001	1896-S	SH000006		1014	-5	PCS	S. Order	10000	Shipment
Movement	WHITE	SHIP	W-09-0001	1896-S	SH000006		1014	5	PCS	S. Order	10000	Shipment
Negative Adimt.	WHITE	SHIP	W-09-0001	1896-S	S 000002		1014	-5	PCS	S. Order	10000	Shipment



**Comment:** use filter F7=Item No.=1896-S in order to only Item used in our model!!!

## End of the section

(Warehouse management)

