# Conversions Transition Documentation

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* See conversion video that was recorded on 5/3/2017 providing brief explanation:
	+ <http://MyEasySoftware.com/adilas/conversion.mp4>
* See two \*.autoproc files for MySQL table creation and altering:
	+ CreateConversionTables.autoproc
	+ AlterPOInvoiceLinesForConversions.autoproc
* See code branch chc-62 in Bitbucket for changes already made
* Pages that need to display either an [add] link or [edit] link with conversion details:
	+ sub\_inventory\_details.cfm
	+ edit\_sub\_part.cfm
	+ sub\_inventory\_view.cfm
* Two potential suggestions for displaying Conversion data:
	+ 6 columns with a row for each:
		- Name
		- Multiplier
		- UofM
		- Price
		- Quantity Created
		- Quantity Sold
	+ Or 2 columns with a row for each & no labels, just the data:
		- Name
		- Price Multiplier UofM (Quantity Sold/Quantity Created)
* Suggested function for collecting all the needed Conversion data: getConversionDetails
	+ Arguments:
		- corpId
		- partCategoryId
		- partId
		- subInventoryId

code from the auto processing docs:

<BlockName|Get count of conversion tables in source>

<Source>

<ToNumVar|tableCount>

SELECT COUNT(\*)

FROM `information\_schema`.`TABLES`

WHERE `TABLE\_SCHEMA`='<<Source>>'

AND `TABLE\_NAME` LIKE 'conversion%'

<BlockName|End if conversion tables count equals 4>

<Source>

<If|<<tableCount>> IS 4>

<End>

<BlockName|Create conversions table>

<Source>

CREATE TABLE IF NOT EXISTS `conversions` (

 `conversion\_id` int(11) unsigned NOT NULL AUTO\_INCREMENT,

 `corp\_id` int(11) unsigned NOT NULL DEFAULT '0',

 `sub\_inventory\_id` int(11) unsigned NOT NULL DEFAULT '0',

 `conversion\_template\_id` int(11) unsigned NOT NULL DEFAULT '0',

 `package\_price` decimal(10,2) unsigned NOT NULL DEFAULT '0.00',

 `conversion\_multiplier\_override` decimal(10,5) unsigned NOT NULL DEFAULT '0.00000',

 `created\_datetime` datetime DEFAULT '0000-00-00 00:00:00',

 `created\_date` date DEFAULT '0000-00-00',

 `conversion\_status` tinyint(1) unsigned NOT NULL DEFAULT '0',

 PRIMARY KEY (`conversion\_id`),

 KEY `corp\_id` (`corp\_id`),

 KEY `sub\_inventory\_id` (`sub\_inventory\_id`),

 KEY `conversion\_template\_id` (`conversion\_template\_id`),

 KEY `created\_datetime` (`created\_datetime`),

 KEY `created\_date` (`created\_date`)

) ENGINE=MyISAM DEFAULT CHARSET=latin1;

<BlockName|Create conversion\_templates table>

<Source>

CREATE TABLE IF NOT EXISTS `conversion\_templates` (

 `conversion\_template\_id` int(11) unsigned NOT NULL AUTO\_INCREMENT,

 `corp\_id` int(11) unsigned NOT NULL DEFAULT '0',

 `part\_category\_id` int(11) unsigned NOT NULL DEFAULT '0',

 `part\_id` int(11) unsigned NOT NULL DEFAULT '0',

 `conversion\_name` varchar(100) DEFAULT NULL,

 `unit\_of\_measurement\_id` int(10) unsigned NOT NULL DEFAULT '0',

 `conversion\_multiplier` decimal(10,5) unsigned NOT NULL DEFAULT '0.00000',

 `conversion\_template\_status` tinyint(1) unsigned NOT NULL DEFAULT '0',

 PRIMARY KEY (`conversion\_template\_id`),

 KEY `corp\_id` (`corp\_id`),

 KEY `part\_category\_id` (`part\_category\_id`),

 KEY `part\_id` (`part\_id`)

) ENGINE=MyISAM DEFAULT CHARSET=latin1;

<BlockName|Create conversion\_processes table>

<Source>

CREATE TABLE IF NOT EXISTS `conversion\_processes` (

 `conversion\_process\_id` int(11) unsigned NOT NULL AUTO\_INCREMENT,

 `corp\_id` int(11) unsigned NOT NULL DEFAULT '0',

 `conversion\_id` int(11) unsigned NOT NULL DEFAULT '0',

 `conversion\_process\_type\_id` int(11) unsigned NOT NULL DEFAULT '0',

 `package\_quantity` int(11) unsigned NOT NULL DEFAULT '0',

 `payee\_id` int(11) unsigned NOT NULL DEFAULT '0',

 `process\_datetime` datetime DEFAULT '0000-00-00 00:00:00',

 `process\_date` date DEFAULT '0000-00-00',

 `conversion\_process\_status` tinyint(1) unsigned NOT NULL DEFAULT '0',

 PRIMARY KEY (`conversion\_process\_id`),

 KEY `corp\_id` (`corp\_id`),

 KEY `conversion\_id` (`conversion\_id`),

 KEY `conversion\_process\_type\_id` (`conversion\_process\_type\_id`),

 KEY `process\_datetime` (`process\_datetime`),

 KEY `process\_date` (`process\_date`)

) ENGINE=MyISAM DEFAULT CHARSET=latin1;

<BlockName|Create conversion\_process\_types table>

<Source>

CREATE TABLE IF NOT EXISTS `conversion\_process\_types` (

 `conversion\_process\_type\_id` int(11) unsigned NOT NULL AUTO\_INCREMENT,

 `process\_type` varchar(100) DEFAULT NULL,

 `process\_inventory\_effect` tinyint(3) unsigned NOT NULL DEFAULT '0',

 `conversion\_process\_type\_status` tinyint(1) unsigned NOT NULL DEFAULT '0',

 PRIMARY KEY (`conversion\_process\_type\_id`),

 UNIQUE KEY `process\_type` (`process\_type`)

) ENGINE=MyISAM DEFAULT CHARSET=latin1;

<BlockName|Insert data into conversion\_process\_types table>

<Source>

INSERT INTO `conversion\_process\_types` VALUES

(1,'Create/Make\_Increase',1,1),

(2,'Reserved/Between\_PotentialDecrease',2,1),

(3,'Checkout/Gone\_Decrease',3,1),

(4,'Adjustment\_Increase',1,1),

(5,'Adjustment\_Decrease',3,1);

////////////////////////////////////////////////////////////////////////////////////////

More code from another auto process file…

<BlockName|Get list of po\_invoice\_lines\_\* tables to alter from source>

<Source>

<ToCSV|tablesToAlter>

SELECT `TABLE\_NAME`

FROM `information\_schema`.`TABLES`

WHERE `TABLE\_SCHEMA`='<<Source>>'

AND `TABLE\_NAME` LIKE 'po\_invoice\_lines\_%'

<BlockName|Alter po\_invoice\_lines\_\* table structures in source by adding conversion columns>

<Source>

<ForEach|<<tablesToAlter>>>

ALTER TABLE <<ForEachValue>>

 ADD COLUMN `sub\_inventory\_id` int(11) unsigned NOT NULL DEFAULT '0',

 ADD COLUMN `conversion\_id` int(11) unsigned NOT NULL DEFAULT '0',

 ADD COLUMN `conversion\_name` varchar(100) DEFAULT NULL,

 ADD COLUMN `conversion\_multiplier` decimal(10,5) unsigned NOT NULL DEFAULT '0.00000',

 ADD COLUMN `package\_price` decimal(10,2) unsigned NOT NULL DEFAULT '0.00';