



## Drafting and PMI CIP

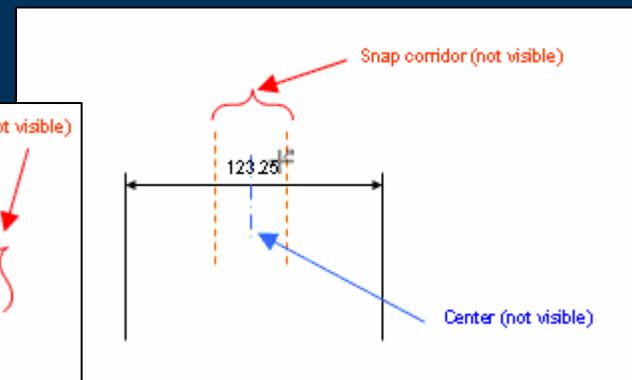
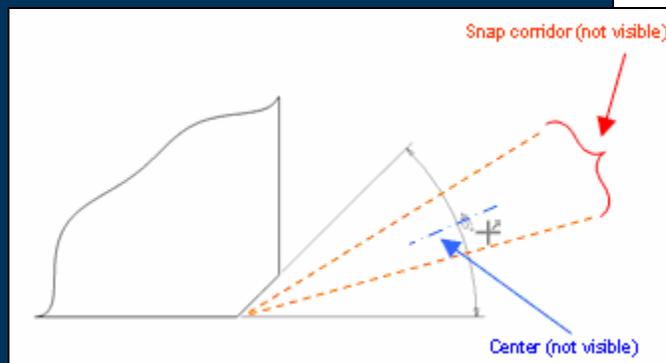
Deborah Peecher - Product Manager  
Jonathan Gray - Product Definition  
Greg Vaccaro - Product Development Manager



# #1 CIP for 2005



Rank	Title	Description	ER	Status
2005 #1	Auto-placement for Dimensions	Add placement type (Automatic, Manual arrows in, Manual arrows out) & leader side selection to the main dimensioning palette where they appear as drop downs	5122288	Scheduled for NX 5 with the Auto Center Dimensions project

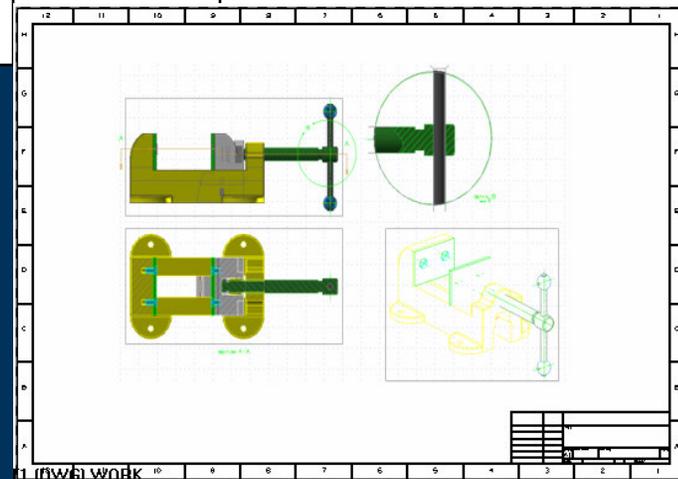




# Additional 2005 CIP ER's



Rank	Title	Description	ER	Status
2	Associative Leader Alignment	Associatively align GD&T, Label, and ID Symbol leaders with dimension lines so if the dimension moves, the GD&T, Label or ID Symbol leader attachment also moves.	4365448	Delivered in NX 4
3	Shaded Views on Drawings	Add the ability to have any view on a drawing display as shaded. It should work like any other view, so the user can dimension it, annotate it, etc. It should plot and print.	4755105	Scheduled for NX 5 with the Shaded Views project

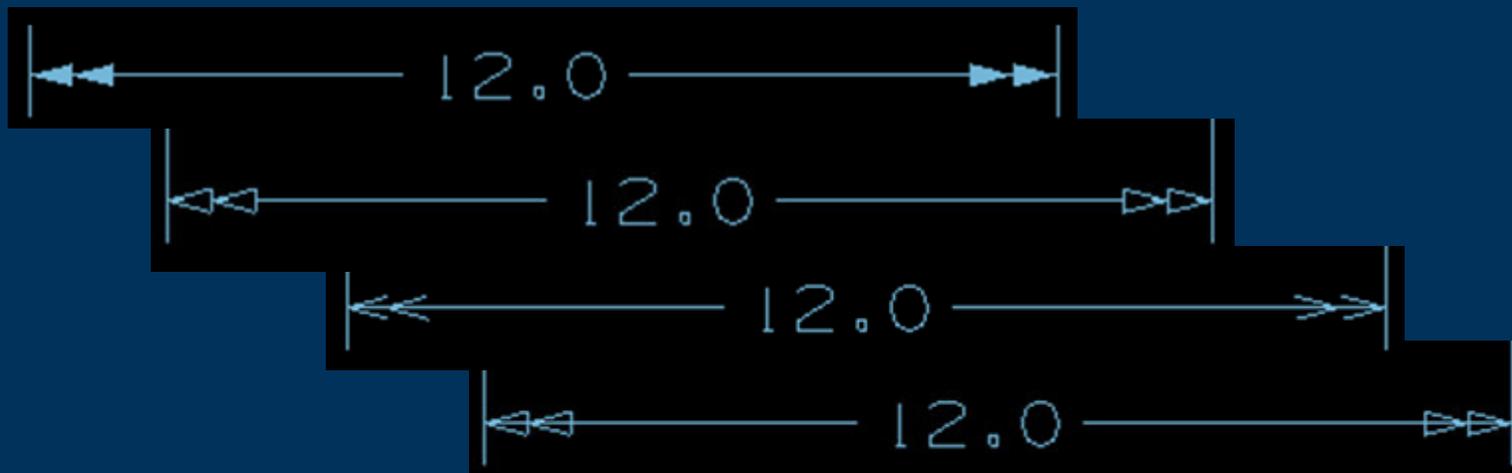




# Additional 2005 CIP ER's



Rank	Title	Description	ER	Status
6	Multiple Dimension Move with Associativity	Allow for the ability to move multiple dimensions at a time.	469578	Delivered in NX 4 for Drafting and NX 5 for PMI
11	Double Headed Arrows	Provide the ability to create dimensions with double arrowheads. This is used in situations where a view is too large to fit on the drawing sheet.	4096945	Scheduled for NX 5 with the New Arrowhead Types project

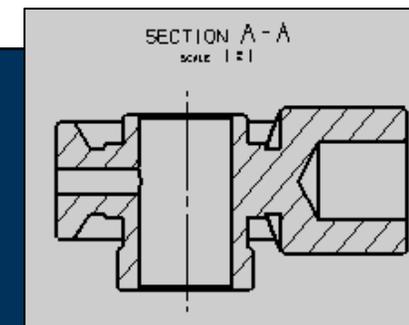
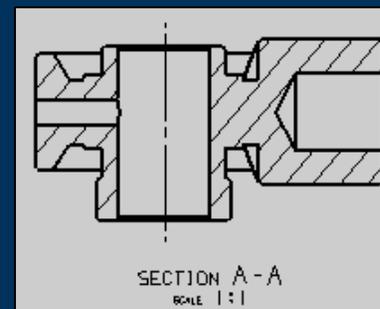




# Additional 2005 CIP ER's



Rank	Title	Description	ER	Status
7	Convert Manual Text to Associated Text	Provide the ability to convert manual text back to associative dimensions. Thus, you will not be required to delete and recreate dimensions that were accidentally changed or are no longer required to be manual text.	4153140	Scheduled for NX 5 with the Manual to Associated Dimension project
14	View Label Enhancement	Provide the ability to format the view label so it may be displayed above or below the view automatically. In addition, provide the ability to have the view label and view scale on the same line.	5695785	Scheduled for NX 5 with the View Label/Scale Position project





# 2006 CIP Voting Ballot



ER Title	ER Number	Effort Category	ER Description
Hole Charts	664305	Large	Provide the ability to generate tabular dimensions for patterns of holes (known as hole charts). This would automatically label holes in an orthographic view and create a table of associative hole information.
Centerlines	4920027	X-Large	Improve automatic centerline generation from solid model (straight centerlines from shaft centers, hole centers fillets, circular)
Convert Manual Text to Associated Text	4153140	Small	Provide the ability to convert manual text back to associative dimensions. Thus, you will not be required to delete and recreate dimensions that were accidentally changed or are no longer required to be manual text.
Auxiliary View Arrows	678830	Small	Provide the ability to automatically create an auxiliary view arrow in the parent view. The auxiliary view arrow can have a label attached to it and is used to denote the direction of view.
Inherit Additional Features Dimensions	874431	Large	The system supported the inheritance of feature dimensions on holes, counterbores, countersinks, threads, and patterns of those features. Expand the current capability to support slots, grooves, pads, bosses, etc.



# 2006 CIP Voting Ballot



ER Title	ER Number	Effort Category	ER Description
View Dependent Edit Selection	693698	Small	Allow multiple objects to be selected in View Dependent Edit -> Object Segments. Currently, you can only pick one object at a time to specify the edits.
Double Headed Arrows	4096945	Medium	Provide the ability to create dimensions with double arrowheads. This is used in situations where a view is too large to fit on the drawing sheet.
Angular Dimension	4695790	Large	Create angular dimension, tolerances, and appended text along a curved dimension line
Inferred Dimensions	4695668	Medium	Have alternate solutions available for the different dimension types when in the inferred dimension mode.
View Label Enhancement	5695785	Large	Provide the ability to format the view label, section label, or detail view label (i.e. all view labels) so that the label may be displayed above or below the view automatically. In addition, provide the ability to have the view label and view scale on the same line.
Improved Gap Function	4920012	X-Large	Provide a gap function where you select two locations on a dimension or extension line to indicates the length of the gap



# 2006 CIP Voting Ballot



ER Title	ER Number	Effort Category	ER Description
Improved Datum Reference Frame Indicator	4920010	Large	In the GD&T Module Datum Reference Frame Editor, indicate the Datum Reference Frame by three orthogonal planes similar to those created when entering the sketcher. The current indication using the plane indicator is inadequate for showing the Datum Reference Frame and its origin.
Limits and Fits	522303	Medium	Provide the ability to create limit and fit dimensions in the Drafting Module.
GD&T Export Part	4072502	Large	Allow for the export of embedded GD&T into new parts and drawings.
ISO/DIN Leaders	4365569	X-Large	Support ISO/DIN Leaders where the arrow leader comes from one side and a datum leader comes from the other side. The angle between the leader and the stub is always 90 degrees.
Two New Weld Types	4920029	Large	Add two new weld types to Drafting (flange corner weld and flange edge weld)



# 2006 CIP Voting Ballot



ER Title	ER Number	Effort Category	ER Description
Control size of fold on a Folded Radius Dimension	5368765	Large	Provide the ability to control the size and shape of the fold symbol in a folded radius dimension to improve the clarity of this type of dimension.
Shuffle Assembly Crosshatch	5368057	Medium	Provide the ability to shuffle the assembly crosshatching display (similar to the the shuffle colors in random color display function) to create a more visually appealing display.
Notification of dimension changes	5368753	X-Large	Provide a dimension tracker feature like Solid Edge. This would make it easier to find any dimension that changed on a drawing while performing an update.
Tubing centerline	5370861	Large	Provided the ability to create a centerline for piping and bent parts
Cylindrical centerlines in revolved sections	5368039	Large	Provide ability to create cylindrical centerlines from a cylindrical face in a revolved section view



# 2006 CIP Voting Ballot



ER Title	ER Number	Effort Category	ER Description
Max and Min dimensions	5370862	Medium	Provide a dimension type that will display the maximum or minimum distance between two curves/edges/splines
Weld symbol text control	2060658	X-Large	Provide the ability to independently specify the scale for the reference text of a weld symbol and also provide better spacing control between weld symbol text
Automatically create non-master part file	5370873	Large	Provide the ability to create an automatic master model drawing file and name the non-master part based on the company naming standard.
Filled Field Flag for Weld Symbols	2052065	Small	Create a filled flag used to designate At Field in Weld Symbol



## CIP Results Online



- ▶ All results will be posted to [www.plmworld.org](http://www.plmworld.org)



[www.ugs.com](http://www.ugs.com)