



## BSD Release Information by Product

Product	Release Name	Release Date	Customer Impact Theme	Feature Type	Feature	DR Number	Description
DMS	EEVX.1	Dec-13	New Capability	New Capability	EDX Integration		Import and export of component data - interactive, file based
DMS	EEVX.1	Dec-13	New Capability	New Capability	EDX Integration		Export Part List - interactive, file based
DMS	EEVX.1	Dec-13	Usability	Enhancement	Usability Enhancements		Introduce Data Fusion selection by URL not only through IOR
DMS	EEVX.1	Dec-13	Usability	Enhancement	Usability Enhancements	dts0100909668 dts0100909669 dts0100909672 dts0100909674 dts0100909675 dts0100909677	Simplify DMS Desktop UI
DMS	EEVX.1	Dec-13	Usability	Enhancement	Usability Enhancements		Enhance DMS Configuration
DMS	EEVX.1	Dec-13	Usability	Enhancement	DMS Librarian & Update Cache		Remove double license check-out for DMSL and DMS Desktop
DMS	EEVX.1	Dec-13	Usability	Enhancement	DMS Librarian & Update Cache	dts0100854980	Improve performance for check-in, check-out and cache creation
DMS	EEVX.1	Dec-13	Usability	Enhancement	Security & administration	dts0100878468 dts0100881839 dts0100881840	Respect access rights also on API level
DMS	EEVX.1	Dec-13	Usability	Enhancement	Data I/O		Continue ASCII Loader removal process. Improve supported import/export mechanism (XML IO, Import Manager)
DMS	EEVX.1	Dec-13	Usability	Enhancement	Ease of Use	dts0100806850	New login window
DMS	EEVX.1	Dec-13	New Capability	New Capability	Update Cache	dts0100906961 dts0100957809 dts0100525699 dts0100607543 dts0100623859 dts0100811651 dts0100884059	Introduce improved Update Cache implementation
DMS	EEVX.1	Dec-13	New Capability	New Capability	Update Cache		Introduce improved Update Cache UI
DMS	EEVX.1	Dec-13	New Capability	New Capability	DMSL	dts0100925444 dts0100899796 dts0100927115 dts0100592438 dts0100650935 dts0100939850	Introduce improved DMSL infrastructure
DMS	EEVX.1	Dec-13	Usability	Enhancement	LDAP Synchronization	dts0100806850 dts0100600272 dts0100836722 dts0100836723 dts0100892060	Improve LDAP Synchronization process
DMS	EEVX.1	Dec-13	Usability	Enhancement	LDAP Authentication	dts0100896418 dts0100920577	Improve LDAP Authentication process
DMS	EEVX.1	Dec-13	Usability	Enhancement	Ease of Use	dts0100723636	Part Request Manager - Configuration
DMS	EEVX.1	Dec-13	Usability	Enhancement	Ease of Use	dts0100881218	Part Request Manager - Usability
DMS	EEVX.1	Dec-13	Usability	Enhancement	Ease of Use	dts0100909672	Search Preset Management
DMS	EEVX.1	Dec-13	Usability	Enhancement	Ease of Use	dts0100918280 dts0100952615	Library Researcher
DMS	EEVX.1	Dec-13	Usability	Planned Fix	DMS Connector	dts0100683721	Provide info if retrieving DBC file update is allowed or not
DMS	EEVX.1	Dec-13	Usability	Planned Fix	DMS/DMSL	dts0100934167	Remove 255 Character Limit for Pin Numbers
DMS	EEVX.1	Dec-13	New Capability	Enhancement	DMS GUI		3D flow with DMS
DMS	EEVX.1	Dec-13	Usability	Enhancement	Performance	dts0100916573	Client connection start-up time improvement (Connection Pooling)
DMS	EEVX.1	Dec-13	Usability	Enhancement	Licensing		Concurrent Connection Mode (available since EE7.9.5)
DxDesigner	EEVX.1	Dec-13	Usability	Enhancement	Improved Graphics/Layout		My Parts – New, Special Components, recently used Components and Blocks in DxDataBook
DxDesigner	EEVX.1	Dec-13	Usability	Enhancement	Design Automation		Multi-Net Connections



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DxDesigner	EEVX.1	Dec-13	Usability	Enhancement	Design Automation		New automated manual Routing Mode with multi-pin component insertion with automatic net split and connection
DxDesigner	EEVX.1	Dec-13	Usability	Enhancement	Maintainability		Extended/ progressive tool tips with animated video How to's for out of the box ease of use
DxDesigner	EEVX.1	Dec-13	Usability	Enhancement	Improved Graphics/Layout		Dynamic Alignment Grids
DxDesigner	EEVX.1	Dec-13	Usability	Enhancement	Design Automation		Key Modifiers - Area Select toggle between Fence & Overlap. Graphical Line snaps to Straight/90/45 degrees
DxDesigner	EEVX.1	Dec-13	Usability	Enhancement	Design Automation		Connectivity Advisor for Nets
DxDesigner	EEVX.1	Dec-13	Usability	Enhancement	Improved Graphics/Layout		Direct insertion of text
DxDesigner	EEVX.1	Dec-13	Usability	Enhancement	Design Automation		Ghost image on Cut & Paste
DxDesigner	EEVX.1	Dec-13	Usability	Enhancement	Improved Graphics/Layout		Dynamic Graphical Rule Check
DxDesigner	EEVX.1	Dec-13	Usability	Enhancement	Improved Graphics/Layout		Smart Shapes - Simple or Complex Arrows
DxDesigner	EEVX.1	Dec-13	Maintainability	Enhancement	Improved Graphics/Layout		HPGL Documentation enhancements
DxDesigner	EEVX.1	Dec-13	Usability	Enhancement	Access to Netlist	D1632	Need Access to Netlist.prp file for the Migration Process from DxD (pre-iCDB) to DxD (iCDB)
DxDesigner	EEVX.1	Dec-13	Usability	Enhancement	Frequently used parts- favorites bar	D2201	Favorites bar for frequently used parts
DxDesigner	EEVX.1	Dec-13	Usability	Enhancement	Cut Trace functionality to Include Splitting a Net in Half	D2482	Change the functionality of Cut Trace to Include Splitting a Net in Half
DxDesigner	EEVX.1	Dec-13	Usability	Enhancement	Recently placed parts in DxDatabook	D2592	Recently placed parts in DxDatabook
DxDesigner	EEVX.1	Dec-13	Usability	Enhancement	Rename "Display Grid" to "Snap to Grid"	D3085	Rename "Display Grid" to "Snap to Grid"
DxDesigner	EEVX.1	Dec-13	Usability	Enhancement	Overlapping NETS & BUS Display	D3683	Overlapping NETS & BUS Display
DxDesigner	EEVX.1	Dec-13	Usability	Enhancement	Add Symbols Preview Windows for selected Powers & Grounds	D3893	Add Symbols Preview Windows for selected Powers & Grounds
DxDesigner	EEVX.1	Dec-13	Usability	Enhancement	Ghost outline required when copying and pasting a component	D3914	Ghost outline required when copying and pasting a component
DxDesigner	EEVX.1	Dec-13	Usability	Enhancement	More useful net name location	D6867	Make net name location more useful.
DxDesigner	EEVX.1	Dec-13	Usability	Enhancement	DC2DX translator cleanup	D7719	DC2DX translator cleanup
DxDesigner	EEVX.1	Dec-13	Usability	Enhancement	Open the default first page by DxDesigner	D8102	Open the default first page by DxDesigner
DxDesigner	EEVX.1	Dec-13	Usability	Enhancement	Allow the symbol which has three or greater pins to split a net.	D8310	Allow the symbol which has three or greater pins to split a net .
DxDesigner	EEVX.1	Dec-13	Usability	Enhancement	Add method to disable the Start Page from opening when DxDesigner is launched.	D10981	Add method to disable the Start Page from opening when DxDesigner is launched.
DxDesigner	EEVX.1	Dec-13	Usability	Enhancement	Arrow Head for Line in DxDesigner	D12187	Arrow Head for Line in DxDesigner
DxSystems Designer	EEVX.1	Dec-13	Usability	Enhancement	Improved Graphics/Layout		Board re-sizing in LSV via grab handles
DxSystems Designer	EEVX.1	Dec-13	New Capability	Enhancement	Connectors & Signal Tracing		Introduction of Connector Symbol type - Generic Parameterized Connector Support
DxSystems Designer	EEVX.1	Dec-13	New Capability	Enhancement	Connectors & Signal Tracing		Generic Connector Management - Ability to instantiate and parameterize a connector or connector pairs in terms of gender, pin spacing and pin count
DxSystems Designer	EEVX.1	Dec-13	New Capability	Enhancement	Connectors & Signal Tracing		Support for instance-specific Connector Mating
DxSystems Designer	EEVX.1	Dec-13	New Capability	Enhancement	Connectors & Signal Tracing		Mated Connector pin-pairing/pin-mapping
DxSystems Designer	EEVX.1	Dec-13	New Capability	Enhancement	Connectors & Signal Tracing		Signal Tracing across Boards in LSV - Nets, Connector Pairs and Wires/Cables with hperlinks for cross-probing
DxSystems Designer	EEVX.1	Dec-13	Usability	Enhancement	Improved Graphics/Layout		ToolBox – New, Special Components, recently used Components, Missing Symbols/Blocks in DxDataBook
DxSystems Designer	EEVX.1	Dec-13	New Capability	Enhancement	Improved Graphics/Layout		Integrated Symbol Editor
DxSystems Designer	EEVX.1	Dec-13	Usability	Enhancement	Design Automation		Automatic multi-net wiring (pin-to-pin)



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DxSystems Designer	EEVX.1	Dec-13	Usability	Enhancement	Design Automation		Multi-pin component (Blocks and Connectors) insertion with automatic net split and connection
DxSystems Designer	EEVX.1	Dec-13	Usability	Enhancement	Maintainability		Enhanced Tooltips- Comprehensive animated descriptions
DxSystems Designer	EEVX.1	Dec-13	Usability	Enhancement	Maintainability		Import existing PCB Project
DxSystems Designer	EEVX.1	Dec-13	Usability	Enhancement	Improved Graphics/Layout		Multi-Tabbed Navigator
ECAD-MCAD Collaborator	EEVX.1	Dec-13	New Capability	Enhancement	ECAD-MCAD collaboration		New EDMD integrated within ExpPCB 3D
EDM	EEVX.1	Dec-13	Usability	Enhancement	EDM Client		New login window
EDM	EEVX.1	Dec-13	Usability	Enhancement	EDM Client		Search dialog enhancements
EDM	EEVX.1	Dec-13	New Capability	New Capability	EDM Client		Related view
EDM	EEVX.1	Dec-13	Usability	Enhancement	EDM Client		Version reference enhancements
EDM	EEVX.1	Dec-13	New Capability	New Capability	EDM Client		Manifest function
EDM	EEVX.1	Dec-13	Usability	Enhancement	EDM Client		Baseline profile enhancements
EDM	EEVX.1	Dec-13	Usability	Enhancement	EDM Client		Baseline creation enhancements
EDM	EEVX.1	Dec-13	Usability	Enhancement	EDM Client		Baseline management enhancements
EDM	EEVX.1	Dec-13	Usability	Enhancement	EDM Client		Release function enhancements/EDX Support
EDM	EEVX.1	Dec-13	Usability	Enhancement	EDM Client		Release management enhancements
EDM	EEVX.1	Dec-13	Usability	Enhancement	EDM Client		Asynchronous operation support
EDM	EEVX.1	Dec-13	New Capability	New Capability	EDM Client		Progress view
EDM	EEVX.1	Dec-13	Usability	Enhancement	EDM Client/Web Admin		Import/export configurations
EDM	EEVX.1	Dec-13	Usability	Enhancement	EDM Client		Reorganize Client menus
EDM	EEVX.1	Dec-13	New Capability	New Capability	EDM Web		EDM Small Gadget
EDM	EEVX.1	Dec-13	Usability	Enhancement	EDM Web Admin		Improved UI
EDM	EEVX.1	Dec-13	New Capability	New Capability	EDM Web Admin		Assign roles to groups
EDM	EEVX.1	Dec-13	New Capability	New Capability	EDM Web Admin		Search users/groups/roles
EDM	EEVX.1	Dec-13	Usability	Enhancement	EDM Web Admin		Application management
EDM	EEVX.1	Dec-13	Usability	Enhancement	EDM Web Admin		Security enhancement - password policy
EDM	EEVX.1	Dec-13	Usability	Enhancement	EDM Web Admin		Security enhancement - user name policy
EDM	EEVX.1	Dec-13	Usability	Enhancement	EDM Web Admin		Session expiration
EDM	EEVX.1	Dec-13	Usability	Enhancement	EDM Web Admin		LDAP enhancements
EDM	EEVX.1	Dec-13	Usability	Enhancement	EDM Web		Add/delete gadgets to the portal page
EDM	EEVX.1	Dec-13	Usability	Enhancement	EDM Web		Login User Information
EDM	EEVX.1	Dec-13	Usability	Enhancement	EDM Infrastructure		Single Sign On support
EDM	EEVX.1	Dec-13	Usability	Enhancement	EDM Flow		EDM Integration DxSD
EDM	EEVX.1	Dec-13	New Capability	New Capability	EDX Integration		EDM EDX Integration
EDM	EEVX.1	Dec-13	Usability	Enhancement	EDM Flow		EDM Explorer Integration
EDM	EEVX.1	Dec-13	Usability	Enhancement	EDM Flow		EDM Multi-release Support
EDM	EEVX.1	Dec-13	Usability	Enhancement	EDM Flow		EDM Flow Improved Back Annotation
EDM	EEVX.1	Dec-13	Usability	Enhancement	EDM Flow		EDM IOD Integration
EDX	EEVX.1	Dec-13	New Product Introduction				EDX Publisher (available as Controlled Release since EE7.9.5)
Expedition PCB	EEVX.1	Dec-13	New Capability	Enhancement	Start Page		New document window showing previous designs, allowing new design creation, Getting Started, Help and News
Expedition PCB	EEVX.1	Dec-13	Usability	Enhancement	Selection Filter	D3525	Fully integrated Global Selection filter within Display Control
Expedition PCB	EEVX.1	Dec-13	Usability	Enhancement	Select By Area		Ability to select objects with different types of shape, edit selection shape to provide more accurate selection.
Expedition PCB	EEVX.1	Dec-13	Usability	Enhancement	Context Sensitivity		Context-Sensitive RMB and Action Keys based on selection
Expedition PCB	EEVX.1	Dec-13	Usability	Enhancement	Object Action		Native Object Action editing methodology enabled when cursor is over objects within graphics.
Expedition PCB	EEVX.1	Dec-13	Usability	Enhancement	Move		Single context sensitive Move object feature
Expedition PCB	EEVX.1	Dec-13	Usability	Enhancement	Dynamic Cursor		Cursor display will graphically change as designer hovers over objects to indicate default action when drag operation is done on that object.



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Expedition PCB	EEVX.1	Dec-13	Usability	Enhancement	Display Control	D1936, D6037, D10862	New Display Control with built in GUI customization and favorites
Expedition PCB	EEVX.1	Dec-13	Usability	Enhancement	Route Layer Coloring		Ability to control the trace, pad and plane colors individually by layer.
Expedition PCB	EEVX.1	Dec-13	Usability	Enhancement	Route Layer Filtering		Ability to filter the list of route layers to only those that are signal layers used for routing.
Expedition PCB	EEVX.1	Dec-13	Usability	Enhancement	Native Full Screen Crusor		Full and Half screen cursor display options within Display Control
Expedition PCB	EEVX.1	Dec-13	Usability	Enhancement	Hover Over		Ability to interrogate objects without selection by hovering over them.
Expedition PCB	EEVX.1	Dec-13	Usability	Enhancement	Selection Mode		New environment for global selection and editing of all objects
Expedition PCB	EEVX.1	Dec-13	New Capability	Enhancement	Docking Technology		Ability to dock GUI's into application
Expedition PCB	EEVX.1	Dec-13	New Capability	Enhancement	Window Shading		Ability to hide docked GUI's into side of application
Expedition PCB	EEVX.1	Dec-13	New Capability	Enhancement	Tabbed Docked GUI's		GUI's of similar size and aspect ratio can be docked and tabbed into the same area to maximize available design space area
Expedition PCB	EEVX.1	Dec-13	Usability	Enhancement	Improved Toolbar Layout	D603	Optimized toolbar feature layout and native customization
Expedition PCB	EEVX.1	Dec-13	Usability	Enhancement	Improved Toolbar Manipulation		Ability to smoothly move and order Toolbars within application.
Expedition PCB	EEVX.1	Dec-13	New Capability	Enhancement	Custom menus		Custom menus can be easily created in the main menu
Expedition PCB	EEVX.1	Dec-13	New Capability	Enhancement	Progressive Tooltips		New Tooltips on toolbar icons that include bitmaps and videos
Expedition PCB	EEVX.1	Dec-13	Usability	Enhancement	Improved Toolbar Graphics		Toolbar icon graphics have been improved to make them more consistent and clear.
Expedition PCB	EEVX.1	Dec-13	New Capability	Enhancement	Component Explorer		New GUI used for component placement and manipulation
Expedition PCB	EEVX.1	Dec-13	New Capability	Enhancement	Mark Components	D561, D739	Ability to Mark Components for netline display and filtering
Expedition PCB	EEVX.1	Dec-13	New Capability	Enhancement	Hierarchical Groups	D6007	Native hierarchical grouping of components and other objects
Expedition PCB	EEVX.1	Dec-13	New Capability	Enhancement	Planning Groups	D7672	Ability to place a group of components as a logical graphical object
Expedition PCB	EEVX.1	Dec-13	New Capability	Enhancement	Add to Active Group		Ability to select physical objects and add these to the user defined active group.
Expedition PCB	EEVX.1	Dec-13	New Capability	Enhancement	Group Outline		Physical Group outline representing the extents of all objects physically placed within the group.
Expedition PCB	EEVX.1	Dec-13	New Capability	Enhancement	Freeze Group		Ability to freeze the objects within the group so they can not be individually manipulated but the group itself can still be manipulated.
Expedition PCB	EEVX.1	Dec-13	New Capability	Enhancement	Auto Arrange Groups		Ability to automatically distribute parts within a group and put it on the cursor
Expedition PCB	EEVX.1	Dec-13	New Capability	Enhancement	Group Component Placement		Ability to drag a part out of a placed planning group onto the board.
Expedition PCB	EEVX.1	Dec-13	New Capability	Enhancement	Group Connectivity Planning		Ability to place planning groups and visualize the connections between these groups.
Expedition PCB	EEVX.1	Dec-13	Usability	Enhancement	Component RefDes		New Dynamic Component RefDes graphics used for component selection and visualization.
Expedition PCB	EEVX.1	Dec-13	Usability	Enhancement	Place Via	D3524, D9345	New Place Via GUI supporting interactive placement of vias and creation of stitching via patterns. Also include context sensitive DRC options.
Expedition PCB	EEVX.1	Dec-13	Usability	Enhancement	Selection List		Native Selection List GUI showing objects in selection with the ability to add/remove from selection via the GUI.
Expedition PCB	EEVX.1	Dec-13	New Capability	Enhancement	Fix / Lock	D845	Support for Fix and Lock of all physical objects within the system.
Expedition PCB	EEVX.1	Dec-13	New Capability	Enhancement	Fix / Lock Graphics Pattern		Ability to control graphics display pattern for Fixed / Locked objects
Expedition PCB	EEVX.1	Dec-13	New Capability	Enhancement	Semi Fix for Vias		Support for Semi-Fixed option on Via objects
Expedition PCB	EEVX.1	Dec-13	New Capability	Enhancement	Dynamove	D602, D6857	New Drag Move on Traces/Vias providing better quality and performance when moving large groups of nets
Expedition PCB	EEVX.1	Dec-13	New Capability	Enhancement	Context Sensitive Change Layer / Width		Ability to select a trace and use the RMB to change the selected traces layer / Width.
Expedition PCB	EEVX.1	Dec-13	New Capability	Enhancement	Real Trace Plow		New Interactive Plowing methodology where the copper is placed dynamically as cursor is being moved minimizing the number of clicks
Expedition PCB	EEVX.1	Dec-13	New Capability	Enhancement	Delayed Push/Shove		Real Trace Plow support Delayed push/shove allowing the trace to be put into a temporary violation then using push/shove to product higher quality routing.





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Expedition PCB	EEVX.1	Dec-13	New Capability	Enhancement	Interactive Route Control		Ability to define default plow methodologies on mouse up and down operations.
Expedition PCB	EEVX.1	Dec-13	New Capability	Enhancement	Context Sensitive Plow DRC		Ability to control DRC within interactive plow including the ability to only put objects in violation if no other choice.
Expedition PCB	EEVX.1	Dec-13	New Capability	Enhancement	Active Clearances	D702	Ability to show the actual clearances graphically during interactive plow and dynamove operations.
Expedition PCB	EEVX.1	Dec-13	Usability	Enhancement	Plow RMB	D671	Interactive Plow RMB has new options to be able to select new trace widths, remembers previous widths, layer, and other new options.
Expedition PCB	EEVX.1	Dec-13	Usability	Enhancement	Improved Gloss	D8453	Real Trace plow has improved glossing providing higher quality results than existing local gloss functionality.
Expedition PCB	EEVX.1	Dec-13	New Capability	Enhancement	Net Explorer		Organized Net Navigator Interface that allows the user to group nets together for route planning as well as better visualization and filtering of nets by group or by constraint type.
Expedition PCB	EEVX.1	Dec-13	New Capability	Enhancement	Mark Net		Ability to Mark nets for netline display and filtering.
Expedition PCB	EEVX.1	Dec-13	New Capability	Enhancement	Netline Editing		Ability to select netline ends and modify they location to objects within the design on the same net.
Expedition PCB	EEVX.1	Dec-13	New Capability	Enhancement	Fanout Patterns		Ability to generate fanout patterns based on design configurations for specific SOIC/QUAD and BGA type components.
Expedition PCB	EEVX.1	Dec-13	New Capability	Enhancement	Advanced Arc Edit/Placement		All Advanced Arc Editing and Placement for traces are now included in the base product without a Flex license.
Expedition PCB	EEVX.1	Dec-13	Usability	Enhancement	Advanced Teardrops		Advanced Teardrop creation and editing is now included in the base product without a Flex license.
Expedition PCB	EEVX.1	Dec-13	New Capability	Enhancement	Sketch Routing		Sketch Routing is a new routing methodology to augment and accelerate existing interactive routing processes. It captures general designer routing intent as part of a strategy and automates the routing of groups of nets with the appearance of manual routing
Expedition PCB	EEVX.1	Dec-13	Usability	Enhancement	Improved Target Length		The Target Length GUI has been improved to provide the designer better control of reviewing and fixing constraint violations including on demand update of the tuning targets.
Expedition PCB	EEVX.1	Dec-13	New Capability	Enhancement	Radial Placement		Full support for Radial Placement of components.
Expedition PCB	EEVX.1	Dec-13	Usability	Enhancement	TPR Bus Placement / Editing		TPR bus placement and editing has been improved allowing a designer to place and edit bus paths as large traces.
Expedition PCB	EEVX.1	Dec-13	New Capability	Enhancement	Hug Router		New Interactive context sensitive unbiased automatic routing functionality that uses existing routes to automatically route new connections.
Expedition PCB	EEVX.1	Dec-13	New Capability	Enhancement	Expedition 3D		Native 3D Visualization, Editing, Measurement and DRC within Expedition PCB layout
Expedition PCB	EEVX.1	Dec-13	Usability	Enhancement	RefDes		New visual element presenting part reference designators and allowing part manipulation
Expedition PCB	EEVX.1	Dec-13	Usability	Enhancement	GD&T into Expedition (with necessary FLXE license)		Added Geometric Dimensioning and Tolerancing capability to Expedition (was only in Drawing Editor)
Expedition PCB	EEVX.1	Dec-13	Usability	Enhancement	RF - RF Toolkit Fully integrated		RF Toolkit is now fully integrated within Expedition PCB. Improved menu access for RF users and a more streamlined flow when working with combinations of regular parts, RF elements and draw objects. Some of the previous RF specific dialogs like group/ungroup, RF Control Pane and Selection filter are now folded into the common tool set increasing the productivity significantly for the RF designer
Expedition PCB	EEVX.1	Dec-13	Usability	Enhancement	RF - Main menu		New main menu for easy and fast access to the RF commands
Expedition PCB	EEVX.1	Dec-13	Usability	Enhancement	RF - Draw edit control of RF elements		Improved user control if rf elements should be editable or not in draw mode using the general 'Allow Cell Graphics Edits' option



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Expedition PCB	EEVX.1	Dec-13	Usability	Enhancement	RF - Parameters		Improved and streamlined RF parameters dialog. Common RF operations for parameters and properties are now accessible from the same dialog improving usability and productivity
Expedition PCB	EEVX.1	Dec-13	Usability	Enhancement	RF - Meander information		The data previously shown at the cursor has been moved to the RF toolbar to free up the design space
Expedition PCB	EEVX.1	Dec-13	Usability	Enhancement	RF - Meander Parameters		Improved control for parameter changes on meanders. User have much better control of parameter changes on individual segments of the meander. User can control parameters on the meander as a whole or on individual segments
Expedition PCB	EEVX.1	Dec-13	Usability	Enhancement	RF - Variable UI		Improved and streamlined UI for handling RF variables
Expedition PCB	EEVX.1	Dec-13	Usability	Enhancement	RF - Improved Meander UI		Apply button has been removed and the UI is now updated on the fly increasing productivity in the add meander functionality
Expedition PCB	EEVX.1	Dec-13	Usability	Enhancement	RF - Meander mitre table		User controlled mitre table. User can define a range of angles and what mitre % should be used for range. Increases flexibility and productivity of the add meander command
Expedition PCB	EEVX.1	Dec-13	Usability	Enhancement	RF - Meander Schemes		The meander UI now supports schemes allowing the user to quickly switch between different meander configurations. Greatly improves productivity of the add meander functionality
Expedition PCB	EEVX.1	Dec-13	Usability	Enhancement	RF - RF Connect to ADS		Improved handling of variables when sending tune/opt data into ADS from Expedition. All variables are now included into the message making the tune/opt setup easier
Expedition PCB	EEVX.1	Dec-13	Usability	Enhancement	Copy	D682	Single context-sensitive Copy object feature
Expedition PCB	EEVX.1	Dec-13	Usability	Enhancement	Phased Tuning	D2729	Ability to tune a DiffPair to keep the signle in phase
Expedition PCB	EEVX.1	Dec-13	Usability	Enhancement	Curved DiffPair Routing	D3519	DiffPair Curved interactive routing part of base Expedition PCB
Expedition PCB	EEVX.1	Dec-13	Usability	Enhancement	Dynamic Planes Clearances	D2624, D7662	Support for Plane to Plane clearances by Rule Area for Dynamic Planes
Expedition PCB	EEVX.1	Dec-13	Usability	Enhancement	Change Padstack	D7548	Disabled change via padstack for fixed/locked vias
Expedition PCB	EEVX.1	Dec-13	Usability	Enhancement	HyperLynx SI/PI Interface	D6553	Improvements to HL SI/PE interface
Expedition PCB	EEVX.1	Dec-13	Usability	Enhancement	Part XY Update	D3526	XY Part location updated even when part is moved in violation
Expedition PCB	EEVX.1	Dec-13	Usability	Enhancement	Improved Highlight	D7851	Support for Global Dimming of view besides selected/highlighted objects
HyperLynx SI/PI/Thermal	HL 9.0	Jul-13	Consolidation	New Capability	Advanced Trace Modeling:		Trace impedance and coupling calculation in presence of complex Area,Fills and partial planes with voids, support any-angle routing
HyperLynx SI/PI/Thermal	HL 9.0	Jul-13	Consolidation	New Capability	Advanced Netlisting:		Coupled / secondary nets involved by pin coupling (IBIS package model matrix)
HyperLynx SI/PI/Thermal	HL 9.0	Jul-13	Consolidation	New Capability	Consolidated Model Builder		Model building: support of IBIS models for passive
HyperLynx SI/PI/Thermal	HL 9.0	Jul-13	Consolidation	New Capability	Model building:		ICX level of support of multilingual IBIS extensions: External Model / External Circuit
HyperLynx SI/PI/Thermal	HL 9.0	Jul-13	Consolidation	New Capability	Model building:		Advanced package model support: Model and External Model in combination with External Circuit
HyperLynx SI/PI/Thermal	HL 9.0	Jul-13	Consolidation	New Capability	Model building:		Support both distributed and lumped representation for IBIS package parasitics
HyperLynx SI/PI/Thermal	HL 9.0	Jul-13	Consolidation	New Capability	Model building:		Advanced user-defined options for removing initial delay from IBIS curves
HyperLynx SI/PI/Thermal	HL 9.0	Jul-13	Consolidation	New Capability	New Simulator:		Fastest t-line/s-parameter simulator on the market (that we know of 10x faster than industry standard HSPICE?)
HyperLynx SI/PI/Thermal	HL 9.0	Jul-13	Consolidation	New Capability	New Simulator:		Simulation chain: native simulator to support s-parameter and IBIS ISS (exception for few not important elements)
HyperLynx SI/PI/Thermal	HL 9.0	Jul-13	Consolidation	New Capability	New Simulator:		Simulation chain: Optional time step control
HyperLynx SI/PI/Thermal	HL 9.0	Jul-13	Consolidation	New Capability	New Simulator:		Simulation chain: Optional Advanced Lumped model for short t-lines
HyperLynx SI/PI/Thermal	HL 9.0	Jul-13	Consolidation	New Capability	Advanced package model		lincluding new industry standard IBIS ISS ("External" spice subckt's)
HyperLynx SI/PI/Thermal	HL 9.0	Jul-13	Consolidation	New Capability	Simulation chain:		Choice of simulator (ICX, Eldo ADMS / HSPICE) available to all applications: interactive simulations, batch simulations, DDR batch simulations
HyperLynx SI/PI/Thermal	HL 9.0	Jul-13	Consolidation	New Capability	New Simulation chain:		SI / PI co-simulation with ICX simulator



## BSD Release Information by Product

Product	Release Name	Release Date	Customer Impact Theme	Feature Type	Feature	DR Number	Description
HyperLynx SI/PI/Thermal	HL 9.0	Jul-13	Consolidation	New Capability	Waveform viewing and processing:		High-capacity, High-performance graphical waveform environment(EZwave) including advanced waveform calculation capabilities
HyperLynx SI/PI/Thermal	HL 9.0	Jul-13	Consolidation	New Capability	Advanced SI:		Delay & Crosstalk interactive, swept and batch measurements and results spreadsheet
HyperLynx SI/PI/Thermal	HL 9.0	Jul-13	Usability	New Capability	PI - DC Drop:		Improve the resolution of DC-drop results display (this is the only significant "gap" between HL and competitive DC analysis)
HyperLynx SI/PI/Thermal	HL 9.0	Jul-13	Consolidation	New Capability	Pre-layout SI		LineSim: support of reference conductors with LineSim t-line symbols for area fill modeling
HyperLynx SI/PI/Thermal	HL 9.0	Jul-13	New Capability	New Capability	Pre-layout: DDR batch measurements for schematic		DDR wizard running in LineSim for detailed DDR validation.
HyperLynx SI/PI/Thermal	HL 9.0	Jul-13	New Capability	New Capability	Statistical channel analysis		Accelerated simulation performance and faster "swept" simulations
HyperLynx SI/PI/Thermal	HL 9.1	Dec-13	New Capability	New Capability	DC-drop constraints to CES		Power Constraints
HyperLynx SI/PI/Thermal	HL 9.1	Dec-13	New Capability	New Capability	EDM Updates		Support version management
I/O Designer	EEVX.1	Dec-13	New Capability	Enhancement	Pin Partition Floorplanning		Provide a Partition Specific Representation of the FPGA
I/O Designer	EEVX.1	Dec-13	New Capability	Enhancement	FPGA file EDM integration		HDL source and vendor constraint file external EDM integration
I/O Designer	EEVX.1	Dec-13	New Capability	Enhancement	Floorplanning pins in Layout window and Device window		Floorplan editing features added to Layout window and Device window
I/O Designer	EEVX.1	Dec-13	New Capability	Enhancement	New Signal and Partition Groups		New Signal and Partition Groups added to Signals and Pins window(s)
I/O Designer	EEVX.1	Dec-13	Usability	Enhancement	Symbol Generation enhancements		Symbol Generation enhancements added to Expedition Explorer tool
I/O Designer	EEVX.1	Dec-13	New Capability	Enhancement	IOD EDM Visibility		IOD Integration/visibility to EDM (View Mode Support)
I/O Designer	EEVX.1	Dec-13	New Capability	Enhancement	Altera Cyclone V SOC, Xilinx Vivado software		Vendor device support - Altera Cyclone V SOC, Xilinx Vivado software
I/O Designer	EEVX.1	Dec-13	New Capability	Enhancement	Native DRC/Rules using Altera/Xilinx tools		Extend HDL Flow – Native DRC/Rules using Altera/Xilinx tools
I/O Designer	EEVX.1	Dec-13	New Capability	Enhancement	Export VBS to Expedition Layout		Export VBS to Expedition Layout from Explorer placement of connected components
I/O Designer	EEVX.1	Dec-13	New Capability	Enhancement	Lattice Diamond support		Vendor device support - Lattice Diamond
PADS	PADSVX.1	Dec-13	Usability	Enhancement	Schematic usability & productivity improvements		Tooltips with animated videos, multi-net connectivity, "more-automated" routing and more from DxDesigner.
PADS	PADSVX.1	Dec-13	New Capability	Enhancement	Constraint Editing System		Spreadsheet-based with fast and consistent entry at any point in the design process.
PADS	PADSVX.1	Dec-13	New Capability	Enhancement	Support for Central Library		One place to enter and extract symbols, parts, footprints.
PADS	PADSVX.1	Dec-13	New Capability	Enhancement	Library Management Utilities		Synchronize library with schematic and design data.
PADS	PADSVX.1	Dec-13	New Capability	Enhancement	Unified schematic and design environment		Direct connection between schematic and design, control of constraints and front/back annotation.
PADS	PADSVX.1	Dec-13	New Capability	Enhancement	Archive Management		Manage archives in a secure vault. View, cross probe, compare, markup, and report differences in schematic and design archives.
PADS	PADSVX.1	Dec-13	Usability	Enhancement	Integrated Land Pattern Wizard		Build IPC-compliant library parts and design footprints.
PADS	PADSVX.1	Dec-13	New Capability	Enhancement	New simulation and analysis features		Improved trace modeling and results, faster simulation and more from HyperLynx 9.0.