

OSPInSight® OSPM-View for ESRI Comparison

Function	OSPM-View Version 1x	OSPM-View Version 2x
View the following items on a map and see linked map object to non-spatial attributes stored in a relational database		
Buildings	X	X
Access points (handholes, manholes, vaults, pedestals, polebox, etc)	X	X
Fiber distribution panels/ Frames (FDF's), Nodes	X	X
Cable spans (fiber, copper, coax)	X	X
Cable slack	X	X
Splice enclosures	X	X
Ductbank (conduit)	X	X
Superduct	X	X
Innerduct	X	X
Nodes	X	X
Poles	X	X
View Buildings Information		
View building on the map	X	X
View a building on the map with reference to digital aerial photography	X	X
GPS (X/Y coordinates from map) available	X	X
View related fiber distribution panels to the building	X	X
Track number of floors and basements in the building	X	X
View related splice enclosures to the building	X	X
Relate ductbanks (conduit) to a building	X	X
Track building owner information		X
Track type of building, "on-net," or "off-net," hub, POP, etc...		X
Track number of diverse entries into the building	X	X
View related building documentation	X	X
View FDF's by room and rack	X	X
Track customers by building location	X	X
Thematically map building objects using ESRI features.	X	X
View Access Point Information (Manholes, Handholes, Vaults, Pedestals, etc)		
View access points on the map including associated location information	X	X
View access points on the map with reference to digital aerial photography	X	X
Utilize GPS coordinates for spatial placement of the Access Point	X	X
View access point attributes including size and type	X	X
View all cables and slack related to splice enclosures located in access points	X	X
View related duct banks to access points	X	X
View plate markings on access points	X	X
View related external data files such as drawings, photos, etc to access points	X	X
View cable sequential markings and cable type information for each cable span when clicking on the access point.	X	X
View related splice enclosures to access points	X	X
View related Butterfly drawings to an access point	X	X
Designate and display map labels with associated access point information	X	X
Customize appearance of access point objects by attribute using ESRI features	X	X
Thematically access point objects using ESRI features	X	X
Splice Enclosure Information		

View an installed enclosure on the map including associated attribute information	X	X
View related enclosures to access points or buildings	X	X
View related enclosures to poles		X
View related cable spans to enclosures	X	X
Track work order information	X	X
Designate and display map labels for associated enclosures using ESRI features	X	X
Track the tray in which splices are housed		X
View tray information in splice schematic and spreadsheets		X
View tray information in reports		X
Track installation information	X	X
View related materials database containing enclosure type information	X	X
Track the type of splice that was performed for each individual fiber, ie, fusion, no splice, mechanical, rapid ribbon, etc	X	X
View related external data files such as drawings, photos, etc to enclosures using ESRI features.	X	X
Customize appearance of cable objects by attribute using ESRI features	X	X
Thematically map building objects using ESRI features	X	X
Frame Information (Fiber Distribution Frame - FDF)		
View the FDF on a map including its building/access point relationship	X	X
Graphically show the front of the FDF	X	X
View related FDF to the cable spans attached to it	X	X
Track installation information	X	X
View related materials database containing frame type information	X	X
View related external data files such as drawings, photos, etc to FDF	X	X
View all installed frame attribute information, ie, manufacturer, make, model, part number, etc.	X	X
Customize appearance of (FDF) frame objects by attribute using ESRI features	X	X
Thematically map FDF (frame) objects using ESRI features	X	X
Cable Information Capabilities		
View cable attributes	X	X
View the cable color code	X	X
For every fiber/pair in any cable have the click on the cable on the map and obtain the end-to-end connectivity throughout the network	X	X
Track the cable sequential markings for true physical cable length	X	X
Show slack loop locations including the amount of slack at the location	X	X
View color codes for fiber and copper cables of any type cable	X	X
View related cable segments to the reel from which they came	X	X
Determine leased information for each fiber/pair in a cable span	X	X
Track the placement of the cable such as underground, aerial, etc. and have the cable display differently on the map	X	X
View a general scale factor for the cable that will take the length from a physical length to an optical length	X	X
Track the owner of the cable	X	X
View related materials database containing various cables type information	X	X
View any type of documentation related to installed cable spans or cable types thereby automatically relating the documents to the objects when installed in the network, ie, manufacturers specifications document using ESRI features	X	X
Get an "end-point-schematic" from any fiber in any cable or from an enclosure		X
Slack record is highlighted in the Cable Info grid		X
View related cable spans to poles		X
Customize appearance of cable objects by attribute using ESRI features	X	X
Thematically map cable objects using ESRI features	X	X
Splicing Capabilities		
View splice information for individual fibers from various cables at a splice enclosure	X	X
Show splice schematic for any splice location	X	X
Show splice spreadsheet for any splice location	X	X

Splice schematic displays cable bundles and fiber colors	X	X
Changes in splicing are immediately reflected in the splice schematic and splice spreadsheet	X	X
Changes in splicing are immediately reflected throughout the fiber route - data ripples through the database	X	X
Copper strands spliced with bridge taps can be and displayed	X	X
Splice tray field allows multiple trays		X
Bundle & colors displayed in splice key, splice by buffer tube		X
Splice displayed via colors rather than numbers		X
Display the fiber routes through splitters		X
Display splitter information in splice schematics and spreadsheets		X
Save and export splice schematics		X
Save and view a history of splice schematics related to an enclosure		X
Add text notations and draw objects (lines, rectangles, circles, etc) to splice schematics and then save the file		X
Select a specific fiber in a Splice Schematic and run a Taper Report directly from the Schematic		X
Zoom-in and zoom-out feature for viewing Schematic window		X
Zoom-in and zoom-out feature for controlling Schematic window while printing		X
Interactive Route Schematic, Endpoint Schematic, and Splice Schematic		X
Termination Information		
Show how and which position each cable fiber or copper pair is terminated in an FDF	X	X
Show the status of the terminated fiber for each panel jack position	X	X
Show the priority of the terminated fiber for each panel jack position	X	X
Show the connector type of the terminated fiber for each panel jack position	X	X
Show the user of the terminated fiber for each panel jack position	X	X
View individual signal route through the network when clicking on the related panel jack	X	X
Locate Faults automatically by inputting OTDR distance readings then viewing the highlighted location on the map along with the span and fiber ID of the fault location.	X	X
Run a taper report on the cable span where a fault is located	X	X
Show FDF location including building name, room, bay, and shelf information	X	X
View related external data such as drawings, photos, etc using ESRI features	X	X
Find a route for any terminated fiber and then display the detailed route information including terminated fiber group name, all associated cable spans and fiber IDs, fiber route length and loss information, splice locations, termination points, patches, attached transmission equipment, users, ring or circuit identifiers*, and address information (*Ring or circuit information is new to version 2x)	X	X
View Physical Ring (Circuit) information including object relationships within the ring		X
View a route schematic for the selected terminated fiber		X
View an end-point schematic for the selected terminated fiber		X
View the connection for patch cords between jacks of the FDF and/or another FDF in the same building	X	X
View related OTDR traces to fibers terminated in panel jacks and view those traces in their native formats		X
View related loss information to each panel jack and show a history of past measurements taken		X
Show how a route splits the signal and the various directions a signal may go if an optical splitter or bridge tap is encountered		X
Map, label, show relationships to objects, more information, taper report, etc in the Details tab by using the short-cut menu	X	X
Show a history of OTDR traces related to specific jack positions		X
From a panel, when you "find route," trace both directions if it is patched to another jack or FDF	X	X
View and track installation information	X	X
Bi-directional find route function	X	X

Perform a find route independent of the map	X	X
Transmission Equipment / Customers		
View transmission equipment and associated equipment rings	X	X
View related equipment to the FDF jack and its connected terminated fiber	X	X
View related customers and equipment	X	X
View installation information for equipment	X	X
View related materials database containing various equipment type information	X	X
Relate any document directly to the equipment such as engineering detail using ESRI features	X	X
See the routes the equipment or laser is serving and all associated nodes they serve	X	X
Ductbanks (Conduit)		
View ductbank in the network	X	X
View related the ductbank to access points and buildings	X	X
View the ductbank innerduct route (conduit)		X
View length of the ductbank	X	X
View superduct and innerduct within a duct bank	X	X
View associated cable spans to innerduct		X
Show owner and leased information for ductbanks, superduct, and innerduct	X	X
Show the depth of each ductbank	X	X
View ductbank connectivity and display Ductbank Taper Reports		X
View the different ductbank types including associated superduct, and innerduct attributes	X	X
Show whether an innerduct is open in a manhole or whether it goes straight through the access point	X	X
See the innerducts and associated cables (listed by locateid) in the relations window when you select a ductbank in the map or treeview		X
View the duct bank layout with associated cable spans shown in the proper innerducts		X
View related Ductbank documentation such as engineering detail using ESRI features	X	X
Poles		
Show poles on a map	X	X
Show poles with reference to digital aerial photography	X	X
Show GPS (X/Y coordinates from the map) for poles	X	X
Track associated pole attributes such as type, owner, height, etc	X	X
Show the pole attachment list for all companies on a given pole including attachment category and height	X	X
View poles related to enclosures or nodes		X
View Pole documentation related using ESRI features		X
Create multiple poles		X
View related cable spans to poles		X
New pole template to copy pole information to new poles		X
Place poles at fixed increments along a selected route or line		X
Track lease and pole attachment information for billing purposes		X
Documents		
View related OSPM and map objects to engineering and other design documents and URLs using ESRI features	X	X
Easily view the relation between an object on the map and a document thereby providing more detailed information	X	X
View one-to-one relationships between OSPM and map objects to external documents and URLs using ESRI features	X	X
View one-to-many and many to one relationships between OSPM and map objects to external documents and URLs using ESRI features	X	X
View many-to-many relationships between OSPM and map objects to external documents and URLs using ESRI features	X	X
Editing		

Field names (captions) and the order they appear in the More Info Display are easily customized to better reflect users' field identification		X
Forms, Reports, and Lists can be resized and the layouts saved by pressing Cntl S		X
View EA (extended attribute) fields allowing additional information to be captured at user discretion		X
Visibility object fields in More Info forms and in tree view can be turned on and off at user discretion		X
More Info Display can be reordered for easy input and viewing data		X
OSPM objects displayed in tree view can be grouped by object attributes and in ascending or descending order using ESRI features	X	X
Designate reserve fibers in the Fiber Panel		X
View Physical Ring (Terminations) - Circuit information including all OSPM elements comprising that circuit Information is displayed in the Fiber Panel and in tree view and all related objects can be viewed in Relationships Route can also be viewed on the map		X
Designate labeling options for OSPM object map labeling using ESRI features	X	X
Define appearance of OSPM objects using ESRI features to better differentiate between OSPM object types	X	X
Save map views using ESRI bookmarks feature and navigate to those views quickly	X	X
Reports		
Customer/Equipment Report shows the relationship between customers and the transmission equipment from which they are served including building, equipment id, customer name, and contact information	X	X
Termination Assignments Report provides information for every terminated fiber in the network including terminated fiber group names, span and fiber ids, FDF (frame) ids, jack positions, users, status, and connector types	X	X
Hardware Materials Report summarizes the installed FDF (frames), enclosures, and cable and slack in the network including type information, cable lengths, cable placement, medium, span id, and map IDs. It also includes sheath and fiber totals. It can be queried to show the information per selected region or by network element. Items can also be labeled and displayed on the map, and relationships viewed	X	X
Taper Report evaluates the items (fibers/copper pairs) within a span to determine how they "tape" from the cable to their termination or end points. It includes end point information for both ends of the fiber, routing information, termination assignment information, and summary information for every building it passes through along the route, how many customers served, and how many dead fibers	X	X
Lit-Fiber Length Report shows the length of each fiber in the network that is lit or connected between two or more pieces of transmission equipment. The report shows both sides of the fibr and what equipment is attached and calculates the total length of each fiber.	X	X
Automated thematic mapping using ESRI features for chart-style reports to analyze and visualize OSPM data. It enhances particular map layers according to designated themes and displays those themes in shades of color, fill patterns, symbols, or bar and pie charts.	X	X
Leased Fiber Report shows the relationship between the owner of the fibers and who is leasing those fibers and the total lengths in feet, meter, or miles of each		X
Ductbank Taper Report shows detailed ductbank route information for innerduct and route detail per innerduct including what is available and where.		X
Work Order Report displays all of the OSPM objects that are associated to a particular work order. List all work order entries, or query the list for a selected work order number. Find and map all network assets by work order number.		X
Equipment added to Work Order Report		X
The End Point Schematic displays schematically a taper report along a route including end points for each fiber being evaluated		
The Route Schematic displays the route an individual fiber follows through the network and displays a diagram including each connected element including termination points, enclosures, and cables		
Advanced SQL Queries available to qualify list selections	X	X
Title and page number added to work order report printout		X
List and Report Queries allow wildcard characters		X
Lists		

Buildings - all network buildings including attributes	X	X
Access Points - all network access points including attributes	X	X
Cable Reels including attributes	X	X
Cable Type including attributes		
Cable Spans Installed including attributes		
Cable Span Length including attributes		
Cable Color Codes including attributes		
Cable Slack Loops/Lines including attributes		
Customer - all network customers including attributes	X	X
Documents - all external documents related to OSPM and MapInfo objects in the network including attributes	X	X
Document Relationships - documents and their related objects		X
Duct Banks including attributes	X	X
Enclosure Type including attributes	X	X
Enclosure Installed including attributes		
Equipment Type including attributes	X	X
Equipment Installed including attributes		
Frames Type including all attributes	X	X
Frames Installed including all attributes		
Poles List - all network poles including attributes	X	X
Rings (Cable Spans) - all network Rings (Cable Spans) including attributes		X
Terminations - all terminated fibers including attributes	X	X
Advanced SQL Queries available to qualify list selections	X	X
Software Architecture		
PC based	X	X
Read-only application available	X	X
Scalable for enterprise system client / server architecture	X	X
Scalable from 1 to 1,000s of users	X	X
Compatible with ESRI ArcMap 9.x		X
Oracle / MSSQL compatible (ARCSDE required for connections)		X
Spatial and tabular data combined in one database better facilitates ArcSDE connection for Oracle and MSSQL connections		X
Spatial and tabular data combined in one database better facilitates OSPM mapping and reporting functions		X
Portable to laptops and notepads	X	X
All spatial data in an enterprise system is stored in a database, not simply drawing files	X	X
Documentation / Support		
Electronic help files available with installed software	X	X
Documentation available in PDF format on software CD and web site		X
Training courses available at a training facility or at customer's site	X	X
Technical support available	X	X
Background Base Data		
Must have a library of relatively accurate street maps	X	X
Import various vector and non-vector files from outside vendors and have the files ortho-rectified	X	X
Base maps must support a variety of projection systems	X	X
.mxd file includes network elements	X	X
Save map views using ESRI bookmarks feature and navigate to those views quickly	X	X
Use the ESRI Hotlink tool	X	X
Red-lining in View-only version		X
Appearance of OSPM objects definable by database fields using ESRI features		X
General		
System must be relatively fast	X	X
Training must be not more than 1 day to get up to speed on viewing OSPM data - 4 days for OSPM Edit	X	X

View only software available for all users who need a desktop or laptop view and be able to work with the database and maps, but not edit	X	X
Group TreeView items in categories using ESRI features	X	X
OSPM can be set up as stand-alone or in an enterprisewide deployment	X	X
Customizable toolbar layout		X
Save OSPM main window layout		
Improved customizable Treeview display options		X
True treeview structure for navigation		X
Extended attributes (EA) fields added to individual objects to allow for custom fields		X
Field names, displays and placement can be customized and saved		X
Tree View enhancements for query, sort, and display		X
Endpoint Schematics		X
Enhanced ring / circuit functionality		X
Lists for "work orders" and "rings"		X
See connectivity as a schematic (route schematic)		X
Design / Work Orders		
View splicing information, test the splice as far as connectivity, and print out a splicing diagram with associated location detail	X	X
Track work order numbers for enclosures, FDFs, cable spans, etc	X	X
Thematically map network objects	X	X
Capture and view all fiber rings (circuits) and view all related objects		X