



> > > **Functionality Matrix**

Version 10.5

Category

Functionality

Licencelevel		
● available in Licencelevel		
basic	standard	advanced

Module			
✗ Function requires Licencelevel PLUS Module			
web editing	usermgmt	ePaper	extract server

Client				
◆ Function avail. in Client with Licencelevel / Modul				
html	core	flex	mobile	map widget

Query / Search

Query / Selection	basic	standard	advanced	web editing	usermgmt	ePaper	extract server	html	core	flex	mobile	map widget
(Multiple) queries on layers (geodata)	●	●	●					◆	◆	◆	◆	◆
Select and identify on one or many layers using one or many tools	●	●	●					◆	◆	◆	◆	◆
'Auto complete' function in search input field ('suggestions') for optimal user support	●	●	●					◆	◆	◆	◆	◆
Full text search with suggestions for search fields	●	●	●					◆	◆	◆	◆	◆
Hierarchical search	●	●	●					◆	◆	◆	◆	◆
Powerful combining of queries - support for advanced search operations in multiple subsequent steps		●	●					◆	◆	◆	◆	◆
Powerful combining of queries and spatial selections		●	●					◆	◆	◆	◆	◆
Add or remove features to/from the search result using either tools from the search result, a query mode or spatial selection		●	●					◆	◆	◆	◆	◆
'Between' - search operator (from ..to) for date fields	●	●	●					◆	◆	◆	◆	◆
Default values for search fields	●	●	●					◆	◆	◆	◆	◆
Query builder		●	●					◆	◆	◆	◆	◆
Advanced value list for value selection in query builder		●	●					◆	◆	◆	◆	◆
Use query builder to execute a filtered query (only hits are shown in the map)		●	●					◆	◆	◆	◆	◆
Store user defined queries. Recommended to be used with UserManagement		●	●					◆	◆	◆	◆	◆
Optionally configure query categories for structuring/classifying large numbers of queries	●	●	●					◆	◆	◆	◆	◆
Search on specific mileage of a route	●	●	●					◆	◆	◆	◆	◆
Worldwide address query using Esri World Geolocator	●	●	●					◆	◆	◆	◆	◆
Reverse Geocoding using the Esri World Geolocator	●	●	●					◆	◆	◆	◆	◆
Attributive queries against OGC WFS 1.1.0	●	●	●					◆	◆	◆	◆	◆
Spatial queries against OGC WFS 1.1.0	●	●	●					◆	◆	◆	◆	◆
One-click query - User will get search results with just one click / interaction. Perfect for operators and dispatchers	●	●	●					◆	◆	◆	◆	◆
Limit pre-defined query or query builder to only find features in current spatial extent	●	●	●					◆	◆	◆	◆	◆
Reset button for search fields	●	●	●					◆	◆	◆	◆	◆

Query / Search cont.

Full-text search	basic	standard	advanced	web editing	usermgmt	ePaper	extract server	html	core	flex	mobile	map widget
Full-text search covering all geodata used in the map services of WebOffice projects, client provides search suggestions for optimum user experience	●	●	●					◆	◆	◆	◆	◆
Support for phonetic search	●	●	●					◆	◆	◆	◆	◆
Support for selecting multiple hits by holding the Ctrl key	●	●	●					◆	◆	◆	◆	◆
Support for WebOffice Lookups	●	●	●					◆	◆	◆	◆	◆
Support for synonyms - Using e.g. 'Washington Road' will find 'Washington Street' or 'Washington Boulevard'	●	●	●					◆	◆	◆	◆	◆
Control result ranking on layer level	●	●	●					◆	◆	◆	◆	◆

Category	Functionality	Licencelevel			Module				Client				
		basic	standard	advanced	web editing	usermgmt	ePaper	extract server	html	core	flex	mobile	map widget
	Optional usage of full-text search functionality on single layer level	•	•	•					◆	◆	◆		
	Support for "Combined Suggestions". Used to launch queries using multiple terms with/without wildcards in one go	•	•	•					◆	◆	◆	◆	◆
	Optional: Display results of thematic full-text search in results of full-text search	•	•	•					◆	◆			
	Support for ArcGIS Online map service content. This way efficiency of using hosted services is dramatically increased.	•	•	•					◆	◆	◆	◆	
	Batch administration - get the information about the index status on each full-text search index	•	•	•									
	Support for automatic creation of all full-text search indices	•	•	•									
	Support for listing the thematic searches alphabetically	•	•	•					◆	◆			
	Support for TEXT, INTEGER, GLOBALID, GUID, OID, DOUBLE und DATE datatype	•	•	•					◆	◆	◆	◆	◆
Select multiple Layers		•	•	•					◆	◆		(+)	
	Select multiple layers - drill down	•	•	•					◆	◆		◆	
	Object browser for processing of drilldown results	•	•	•					◆	◆		◆	
	Creation of objects name for object browser	•	•	•					◆	◆		◆	
	Access all found objects from one layer respectively access specific objects from the object browser	•	•	•					◆	◆		◆	
	Display of all selected objects from multiple layers in the map at one glance	•	•	•					◆	◆			
Query / Search cont.													
Search result		(•)	•	•					(+)	(+)	(+)	(+)	
	Multiple result views for one query	•	•	•					◆	◆			
	Show all objects	•	•	•					◆	◆			
	Select all objects		•	•					◆	◆			
	Show selected objects in current map extent		•	•					◆	◆			
	Show previous/next object		•	•					◆	◆			
	Zoom to previous/next object	•	•	•					◆	◆	◆		
	Remove selected object from selection		•	•					◆	◆			
	Export selected objects into Excel (formats xlsx or csv)		•	•					◆	◆			
	Provide layer specific print templates		•	•					◆	◆	◆		
	Sorting on any column	•	•	•					◆	◆			
	Object Detail view	•	•	•					◆	◆			
	Optional filter row for dynamic filtering of search results		•	•					◆	◆			
	Optionally link map view to display of search result	•	•	•					◆	◆	◆	◆	
	Optionally set the search layer in the map visible when displaying the search results for ensuring tailored maps which can be interpreted easily because of reduced symbology	•	•	•					◆	◆	◆	◆	
	Floating 'intelligent' search result window to avoid unintentional map updates	•	•	•					◆	◆	◆	◆	

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		basic	standard	advanced	web editing	usermgmt	ePaper	extract server	html	core	flex	mobile	map widget
	Optional by default minimizing of search result window when displaying a search result and zoom to the queried objects. Helpful if the search operation is only needed for navigating into a specific area of interest and attribute data of queried objects is not interesting at all	•	•	•					♦	♦			
	Statistics function on numeric result fields providing min, max, average and total	•	•	•					♦	♦			
	Support for protocols 'phone' and 'email' for search result fields - trigger phone call or mail client by clicking/touching	•	•	•					♦	♦	♦	♦	
	Save a search result	•	•	•						♦			
	Copy coordinates of a single point result to clipboard. Optionally use a configured projection.	•	•	•						♦			

Tools

Tools		basic	standard	advanced	web editing	usermgmt	ePaper	extract server	html	core	flex	mobile	map widget
Toolbar		•	•	•					♦	(♦)			
	Optional tool groups in toolbar	•	•	•					♦	♦			
	Optionally provide only layer entries in displayed layer list for layers that are actually displayed in the current map (reduce count of layers)	•	•	•					♦	♦			
	Optionally declare tool priority to provide clear view on toolbar tools by only displaying prioritized tools at first glance	•	•	•					♦				
	Personalized set of tools in tool group 'Other' by supporting multiple filter expressions and storing them to the user profile	•	•	•					♦				
Navigation		•	•	•					♦	(♦)	(♦)	(♦)	(♦)
	Navigation panel	•	•	•					♦		♦		♦
	Zoom-Slider	•	•	•					♦			♦	
	Mouse-wheel support for zooming	•	•	•					♦	♦	♦	♦	♦
	Zoom in, zoom out, pan, full extent	•	•	•					♦	♦	♦	♦	♦
	Previous/next map extent	•	•	•					♦	♦		♦	♦
	Zoom continuous	•	•	•					♦				
	List of discrete scales or free choice of scale	•	•	•					♦	♦	♦		
	Dynamic zoom scale and extent display for exact map navigation	•	•	•					♦	♦			
Selection		(•)	•	•					♦	♦		(♦)	(♦)
	Rectangle (box) selection	•	•	•					♦	♦			
	Line selection		•	•					♦	♦		♦	♦
	Buffer analysis based on digitized polyline and provided buffer distance		•	•					♦	♦		♦	♦
	Polygon selection		•	•					♦	♦		♦	♦
	Selection within specific radius		•	•					♦	♦			
	Selection on multiple layers	•	•	•					♦	♦		♦	
	Selection using snap		•	•					♦	♦			
	Clear selection	•	•	•					♦	♦		♦	
Buffer		(•)	•	•					♦	♦			(♦)
	Input of buffer distance - default value configurable	•	•	•					♦	♦			♦

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		basic	standard	advanced	web editing	usermgmt	ePaper	extract server	html	core	flex	mobile	map widget
	Buffer returns only objects completely within buffer area or objects intersecting buffer area		•	•									
	Buffer on original selection or current buffer result		•	•									♦
	Restore original selection		•	•									♦
	Configurable buffer area symbology	•	•	•									♦
Tools cont.													
Raster display													
	Use Esri raster catalogues with the possibility to show one or multiple arbitrary raster images in the map on demand. Recommended for showing images of the same area with differing time stamps, different image resolution and quality of raster images		•	•									♦
	Use Esri raster catalogues linked with polygon feature class to exactly display validity outline boundaries of the raster image		•	•									♦
Identify													
	Identify objects of specific layer	•	•	•									♦
	Identify on multiple layers - drill down	•	•	•									♦
	Tool for identifying raster cell values	•	•	•									♦
Map Tip													
	Layer specific Map tip on point / line / polygon objects with display of object geometry and attribute data	•	•	•									♦
	Add identified objects to current selection	•	•	•									♦
	Show images and provide hyperlinks in Map tip window	•	•	•									♦
	Use Map tip as standard tool	•	•	•									♦
	Map tip on multiple layers - drill down	•	•	•									♦
	Configure minimum and maximum scale for Map tip	•	•	•									♦
	Configure Map Tip optionally to be permanently active	•	•	•									♦
	Optionally enable fixing of Map Tip window by mouse click respectively prevent it (usability)	•	•	•									♦
	Display multiple images in Map Tip (gallery feature)	•	•	•									♦
Free Labeling													
	Support for point, line and polygon objects of any vector layer in your map document. Select an object by clicking in the map		•	•									♦
	Free placement of label using the mouse, leader line between object and label gets drawn automatically		•	•									♦
	Support for one or multiple labeling configurations (specify which fields get used for labeling by default and which get used optionally)		•	•									♦
	User may change labeling style for each label (leader line width and color, text size etc.)		•	•									♦
	Delete arbitrary label at any time throughout labeling		•	•									♦
Tools cont.													
Free Labeling cont.													
	Save labeling on server as graphics (save state, Favorite tool), send labeling via email		•	•									♦
	Print labeling		•	•									♦
	Optionally configure style dialog to be hidden in tool form		•	•									♦
	Optionally configure fields dialog to be hidden in tool form		•	•									♦

Category	Functionality	Licencelevel			Module				Client				
		basic	standard	advanced	web editing	usermgmt	ePaper	extract server	html	core	flex	mobile	map widget
	On demand user is able to store current layer specific settings of Free Labeling tool		•	•									
	User may store currently used style to user profile		•	•									
	Support for displaying WebOffice Relates – Interactively labeling specific features with attribute information derived from 1:n data relations		•	•									
	Support for labels with multiple text lines		•	•									
	Multifeature free labeling		•	•									
	Label one ore more line objects from the same layer with their attributes. Select the features through digitizing a cross-section. The label will be aligned parallel to the selected objects.		•	•									
	Meeting point	•	•	•									
	Place symbol in the map	•	•	•									
	Send map and symbol as E-Mail	•	•	•									
	Map export	•	•	•									
	Copy current map into browser window/clipboard (including selection, measuring and drawn graphics, meeting point graphics)	•	•	•									
	Drawing	(•)	•	•									
	Drawing points	•	•	•									
	Drawing lines and polygons	•	•	•									
	Placing entered text on map	•	•	•									
	Set text color, size, font and background color	•	•	•									
	Send map and graphics as E-Mail	•	•	•									
	Support for sending maps with Drawings/Markups via E-Mail between different WebOffice projects	•	•	•									
	Drawing elements can be reworked individually	•	•	•									
	Use intersections with drawings as snapping anchor. Drawings can be used to aid measure/editing operations		•	•									
	Choice of different stroke styles (solid, dashed,...)	•	•	•									
Tools cont.													
	Measure	(•)	•	•									
	Measuring point coordinates with optional snap - provide 1:1 WebOffice client map display as print output		•	•									
	Point measurement - label coordinates	•	•	•									
	Measuring point coordinates - optionally add height (z) value based on DEM available in image raster format. Optionally add inclination and exposition based on image raster representing inclination / exposition model		•	•									
	Measuring distances - provide 1:1 WebOffice client map display as print output	•	•	•									
	Optional Use of snapping functions (see Functions section) while measuring		•	•									
	Simple dimensioning symbology for measured distances - dynamic on-the-fly display of currently measured segment and overall length	•	•	•									
	Measuring distances - optionally add 3D length of polyline (value / height profile image) or other 3D parameters based on DEM (image raster format).		•	•									
	Display legend of different layer groups shown in 3D measure graphics	•	•	•									
	Measuring distances - optionally use surface and terrain model as input for 3D height profile image at same time		•	•									

Category

Functionality

Category	Functionality	Licencelevel			Module				Client				
		basic	standard	advanced	web editing	usermgmt	ePaper	extract server	html	core	flex	mobile	map widget
	Measuring distances - optionally use multiple terrain models as input for 3D height profile image - values are used from the model with the best resolution		•	•					♦	♦			
	Functionality copy the height profile image to clipboard	•	•	•						♦			
	Measuring areas with optional snap - provide 1:1 WebOffice client map display as print output	•	•	•					♦	♦	♦	♦	
	Measuring areas - optionally add calculated 3D area as well as other 3D parameters based on DEM available in image raster format. Optionally add average inclination and exposition based on image raster representing inclination / exposition model		•	•					♦	♦			
	Measuring perpendicular distances with optional snap - provide 1:1 WebOffice client map display as print output	•	•	•					♦	♦			
	Measure distance tool with enhanced support for quickly digitizing perpendicular distances	•	•	•					♦	♦			
	Support for easy measuring of multiple triangular (perpendicular) measures, optionally measure without overall measured length	•	•	•					♦	♦			
	Choose drawing color, line width, area fill color and its level of transparency	•	•	•					♦	♦	♦		
	Send map and measure graphics as E-Mail	•	•	•					♦	♦	♦	♦	
	Align measure text with the measure line when measuring distances	•	•	•					♦	♦	♦	♦	
Tools cont.													
Measure cont.		(•)	•	•					(♦)	(♦)	(♦)	(♦)	
	Add, insert, move, delete existing vertices of a measured line or polygon	•	•	•					♦	♦			
	Move a measure object (point, line, polygon, ..)	•	•	•					♦	♦			
	Highlight and delete a specific existing measure object (point, line, polygon, ..)	•	•	•					♦	♦			
	Constructions tools for adding/editing object vertex points: Alignment, Intersection of two lines, Circular intersection, Construction by distance and/or angel	•	•	•						♦			
	Optionally configure style dialog to be hidden in tool form	•	•	•					♦	♦			
	Support for US and European units in measure area and measure length tools	•	•	•					♦	♦	♦		
	Measure arc / length tool - measure distance between two points including calculation of the angle between north and the line built by the two points	•	•	•					♦	♦			
	Measure distance with optional display of current overall length for each vertex of the measure line	•	•	•					♦	♦			
	Measure distance and/or area in projects with coordinate reference system "Web Mercator (Auxiliary Sphere)"	•	•	•					♦	♦	♦	♦	
	Measure distance and/or area in projects with geographic coordinate reference system (e.g. WGS 1984)	•	•	•					♦	♦	♦	♦	
Print		(•)	•	•					♦	♦	(♦)	(♦)	
	Supported print output formats are pdf, png, jpg, tif, gif, emf		•	•					♦	♦	♦	♦	
	Specific 'web-optimized' PDF - light weight and fast pdf generation	•	•	•					♦	♦	♦	♦	
	Various print output resolutions	•	•	•					♦	♦	♦	♦	
	User may choose print output resolution	•	•	•					♦	♦	♦	♦	
	User may choose print template		•	•					♦	♦	♦	♦	
	Categorized print layouts for viewing the templates in logical groups on client-side		•	•					♦	♦			
	Default templates A4 portrait/landscape to A0 included	•	•	•					♦	♦	♦	♦	
	Rotating of print output	•	•	•					♦	♦	♦		
	Print extent preview	•	•	•					♦	♦	♦	♦	

Category	Functionality	Licencelevel			Module				Client				
		basic	standard	advanced	web editing	usermgmt	ePaper	extract server	html	core	flex	mobile	map widget
	Define scale extent with selectable preview-frame	•	•	•					♦	♦			
	Provide attribute data of selected objects in print output - simple reporting	•	•	•					♦	♦			
	Provide attribute data of selected objects including detail map for each selected object	•	•	•					♦	♦			
	Provide attribute data of selected object - put any field with arbitrary layout wherever you want on the print template	•	•	•					♦	♦			
Tools cont.													
Print cont.		(•)	•	•					♦	♦	(♦)	(♦)	
	Link print templates to layer specific search results - immediately provide object reports from within the search result		•	•					♦	♦			
	Predefined function fields for dynamic population of print header with metadata	•	•	•					♦	♦	♦	♦	
	Generic function fields for dynamic population of print header	•	•	•					♦	♦	♦	♦	
	Logo field - company logo image files can be integrated in the plot output document dynamically. When using in combination with WebOffice usermanagement, a user group specific integration of logo image files is possible	•	•	•					♦	♦	♦	♦	
	Ruler function field for dynamic generation of a ruler in the plot for measuring distances on the printed document	•	•	•					♦	♦	♦	♦	
	Reference coordinate function field marking a 'rounded' reference coordinate in the plotted map as well as further reference points. Reference coordinate values get plotted as well	•	•	•					♦	♦	♦	♦	
	North arrow function field for dynamic generation of a correctly rotated north arrow symbol when using rotated plots	•	•	•					♦	♦	♦	♦	
	High resolution prints although using map cache in WebOffice Client	•	•	•					♦	♦	♦	♦	
	Full support for internationalization and multilingual print output	•	•	•					♦	♦	♦	♦	
	Printing of plan types by relating a map view to a print template. Ensure specific print content independent from WebOffice client table of content	•	•	•					♦	♦	♦	♦	
	Support for printing of static legend images related to the currently selected specific map view. Populate plot document with a static legend image	•	•	•					♦	♦	♦	♦	
	Support for printing dynamic legends: Only object-classes present in dedicated print extent will become part of the legend	•	•	•					♦	♦			
	Support for printing with multipage dynamic legends: On demand all or only object-classes present in dedicated print extent will become part of the legend that is on one ore more additional pages	•	•	•					♦	♦			
	Legend images of WMS- und WMTS- Services can be displayed in Dynamic Legend	•	•	•					♦	♦			
	Dynamic Copyright - each visible map with its own copyright text will contribute to an overall Copyright Text block in the print output document	•	•	•					♦	♦	♦	♦	
	Enable plots in larger scales than the level of detail of a used cached map service	•	•	•					♦	♦	♦	♦	
	Set a default rotation angle per print template	•	•	•					♦	♦	♦	♦	
	Support for series printing with overlap	•	•	•					♦	♦			
	Support for print outputs using built-in Esri Printing Tools	•	•	•					♦	♦			
	Indexplot - Generate a print series along an individually digitized path. Print series for water or power lines, streets, rivers with automated calculation of specific print page orientation	•	•	•					♦	♦			
	Indexplot based on a line defined by a line feature selection	•	•	•					♦	♦			
	One-page print with dynamic pagesize with optional cover sheet. The print is generated on one side PDF with a dynamic size defined by the plotarea.	•	•	•					♦	♦			
	Free assignment of the plotfilename by function field in the printform	•	•	•					♦	♦			
	Print output in different coordinate system. This way print outputs in local reference systems with highest possible accuracy in scale are possible when working in a worldwide WebOffice project.	•	•	•					♦	♦			

Category

Functionality

Licencelevel		
● available in Licencelevel		
basic	standard	advanced

Module			
✗ Function requires Licencelevel PLUS Module			
web editing	usermgmt	ePaper	extract server

Client				
◆ Function avail. in Client with Licencelevel / Modul				
html	core	flex	mobile	map widget

Tools cont.

Category	Functionality	basic	standard	advanced	web editing	usermgmt	ePaper	extract server	html	core	flex	mobile	map widget
Add OGC WMS-Service													
	Dynamically add WMS services in WebOffice client		●	●					◆	◆			
	User may choose -from a prepared list of services -to manually enter a service URL -to use keyword search in CS-W 2.0 conform catalogue service (meta data catalog)		●	●					◆	◆			
	Free positioning of map service in table of content; specify level of transparency and the maximum response time		●	●					◆	◆			
	Added WMS-service can be saved as state (browser favorite) and can be reused later		●	●					◆	◆			
	Identify objects from WMS layer		●	●					◆	◆			
	Advanced CS-W-support for entries of type "DublinCore" (Geoportal Server)		●	●					◆	◆			
Add ArcGIS for Server or ArcGIS Online Service													
	End-user is able to add map services of types ArcGIS Server map service or image service as well as ArcGIS Online map services (operational or basemap)		●	●					◆	◆		◆	
	User may choose -from a prepared list of services -to manually enter a service URL		●	●					◆	◆			
	Free positioning of map service in table of contents; specify level of transparency and the maximum response time		●	●					◆	◆			
Bookmarks													
	Save current map as browser favorite	●	●	●	(X)	(X)			◆	◆			
	Saving and managing current maps	●	●	●		X			◆	◆			
	Make uploaded geodata available in upcoming sessions using bookmarks			●	X				◆	◆			
	Save an user-added ArcGIS for Server service or ArcGIS for Server image service in bookmark.	●	●	●					◆	◆			
eMail map													
	Email the current map (including extent, layer visibilities, drawings, measured objects, labeled objects)	●	●	●					◆	◆	◆	◆	
Search Coordinate													
	Search for coordinate and provide map display centered at entered coordinates		●	●					◆	◆			
	Entering coordinates in arbitrary configurable geographic projection respectively in geographic coordinates		●	●					◆	◆			
	Reprojecting coordinates (including date transformation) in projection of the main map service respectively one of the other configured projections; display of coordinates in the map		●	●					◆	◆			
	Support for specific display of coordinates according to their coordinate reference system type (projected or geographic)		●	●					◆	◆			
	Calculate the coordinates for all configured target reference systems at once		●	●					◆	◆			
	Support to label a point (= coordinate) in different coordinate systems		●	●					◆	◆			

Tools cont.

Geolocation													
	Display the current Geolocation of the user device, will display GPS position with GPS precision if device is GPS enabled. Support for field worker using WebOffice client (device needs to be online)		●	●					◆	◆	◆	◆	

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		basic	standard	advanced	web editing	usermgmt	ePaper	extract server	html	core	flex	mobile	map widget
	Geolocation precision display		•	•					♦	♦	♦	♦	
	Tracking function		•	•					♦	♦	♦	♦	
	Disable geolocation function for the HTML/core Client		•	•					♦	♦	♦	♦	
Map overlay		•	•	•					♦	♦	♦	♦	
	Dynamic overlay of current map with another map view	•	•	•					♦	♦	♦	♦	
	Adjustment of overlay size and degree of transparency	•	•	•					♦	♦	♦	♦	
Custom Tools			•	•					♦	♦	♦	♦	
	Multiple custom tools as additional tool configurable in WebOffice		•	•					♦	♦	♦	♦	
	Pass user input to custom tool implementation using HTTP POST/GET respectively JavaScript-methods		•	•					♦	♦	♦	♦	
	Display of results in customer tool form respectively in WebOffice by using WebOffice Script API		•	•					♦	♦	♦	♦	
	Add specific tool (toolbar button, tool implementation) to any of the toolbar groups		•	•					♦	♦	♦	♦	
	Support for integration of Custom Tools implemented in HTML DIV element		•	•					♦	♦	♦	♦	
	Custom tools used by ScriptAPI methods may be defined as hidden so no user can misuse them interactively		•	•					♦	♦	♦	♦	
Logout			•	•									
	Log out the current user		•	•				X					
Change Password			•	•									
	User may change its password in projects with usermanagement		•	•				X					
Online Help			•	•									
	Online help	•	•	•									
	Context sensitive help - press key F1 in tool form respectively the form/stack/area of the WebOffice client window you're interested in	•	•	•									
Upload geo-tagged Images				•									
	Upload of georeferenced images optimized (supporting geo-tagged imagery)			•				X					
	Geolocation of uploaded imagery (create a point object in the database) by EXIF/Geo-Tag information			•				X					
Tools cont.													
Integrate / upload local geodata													
	Upload local geodata and use it like if it was centrally stored server data. Supported formats are: ESRI Shape (.shp), ESRI Layer Package (.lpx), AutoCAD DWG (.dwg)			•				X					
	Support for geographically referenced raster data (formats JPG, JP2, PNG, TIF, IMG, GRID)			•				X					
	Optional projection information as well as symbology information can be added to the upload zip archive			•				X					
	Functionalities available on uploaded data: Select, Search, Snap, Buffer			•				X					
	Formats .gpx, .lpx and .dwg may be uploaded natively (no zipping necessary)			•				X					
	Support for providing AutoCAD DWG layer structure and access to uploaded AutoCAD DWG files on layer level			•				X					

Category	Functionality	Licencelevel			Module				Client				
		basic	standard	advanced	web editing	usermgmt	ePaper	extract server	html	core	flex	mobile	map widget
	Support uploading Layer Packages containing more than one layer			•	X				◆	◆			
Geoprocessing				•	X				◆	◆			
	Seamless integration of Geoprocessing Services with supported types of input and output parameters			•	X				◆	◆			
	Use the user login (Windows login) as input parameter for a geoprocessing tool			•	X				◆	◆			
	Support for Geoprocessing Services with multiple tasks			•	X				◆	◆			
	Support dissolved hyperlinks as a result of a geoprocessing result			•	X				◆	◆			
Nettrace				•	X				◆	◆			
	Nettrace function based on Esri Geometric Network Datasets			•	X				◆	◆			
	Support for tracing operations: Find connected and find disconnected			•	X				◆	◆			
	Define layers as part of the network as start, barrier or result layers			•	X				◆	◆			
	Support for several start-layers			•	X				◆	◆			
Editing				•	X	(X)			(◆)	(◆)	(◆)	(◆)	(◆)
	Web based editing of point feature classes (data stored in ArcGIS for Server Basic/ArcSDE)			•	X				◆	◆	◆	◆	◆
	Web based editing of line feature classes (data stored in ArcGIS for Server Basic/ArcSDE)			•	X				◆	◆		◆	◆
	Web based editing of polygon feature classes (data stored in ArcGIS for Server Basic/ArcSDE)			•	X				◆	◆	◆	◆	◆
	Configurable edit action: Create			•	X				◆	◆	◆	◆	◆
	Configurable edit action: Edit			•	X				◆	◆		◆	◆
	Configurable edit action: Copy			•	X				◆	◆		◆	◆
Tools cont.													
Editing cont.				•	X	(X)			(◆)	(◆)	(◆)	(◆)	(◆)
	Configurable edit action: Delete			•	X				◆	◆		◆	
	Configurable edit action: Split			•	X				◆	◆			
	Configurable edit action: Merge			•	X				◆	◆			
	Configurable edit action: Copy from - copy geometry and if possible attributes from reference to edit layer ==> Transfer uploaded geodata to data storage.			•	X				◆	◆			
	Smart multipart editing - edit actions 'Build Multipart', 'Explode Multipart', 'Cut', 'Edit'			•	X				◆	◆			
	Configurable edit action: Copy From Template - Copy Features to an edit layer from a source layer using attributes and geometry from a template feature			•	X					◆			
	Default edit is configurable per layer			•	X				◆	◆			
	Configurable edit mode 'Geometry only', 'Attributes only', 'Attributes and geometry'			•	X				◆	◆		◆	
	Optional Use of snapping functions (see Functions section) while editing. (optional: defined by feature)			•	X				◆	◆		◆	◆
	Support for Esri coded value domains respectively lookup tables for input fields			•	X				◆	◆	◆	◆	
	Support for hierarchical dependencies in input fields			•	X				◆	◆	◆	◆	
	Support for edit templates created in ArcMap			•	X					◆			
	Integration of external web application into edit work flow for advanced attribute edit forms			•	X				◆	◆			
	Function 'Change object' in context menu of search result: workflow optimization for immediately editing a searched object			•	X				◆	◆		◆	

Category	Functionality	Licencelevel			Module				Client				
		basic	standard	advanced	web editing	usermgmt	ePaper	extract server	html	core	flex	mobile	map widget
	Support for client-based editing of data (requires usage of WebOffice webediting and UserManagement)			•	X	X			♦	♦	♦	♦	♦
	Integration of WebOffice webediting and UserManagement			•	X	X			♦	♦	♦	♦	♦
	Flip function when creating lines or polygons - flip between start and end point			•	X				♦	♦			
	Optionally switch to specific map view when selecting a certain edit layer			•	X				♦	♦	♦	♦	
	Type validation of attribute data entered in edit form e.g. based on specific required input formats for URL, file path, eMail address			•	X				♦	♦	♦	♦	♦
	Optimized input forms for edit layer configurations with many input fields			•	X				♦				
	Upload documents and/or image files when creating/editing an object			•	X				♦	♦		♦	
	Full-text search: Support for automatic update of edit layer specific search index when committing a WebOffice webediting transaction			•	X				♦	♦	♦	♦	♦
	Provide checkbox control for input fields of type boolean			•	X				♦	♦		♦	
	Support for layer categories in the layer list of the Editing tool			•	X				♦	♦			
	Support for Range Domains			•	X				♦	♦	♦	♦	
Tools cont.													
Editing cont.				•	X	(X)			♦	♦	♦	♦	♦
	Support for object mass-attribution			•	X				♦	♦		♦	♦
	Constructions tools for creating objects -Tools for line and polygon featureclasses: Square construction, Circle approximation, Orthogonal construction -Tools for point featureclasses: Alignment, Intersection of two lines, Circular intersection			•	X				♦	♦			
	Constructions tools for adding/editing object vertex points: Alignment, Intersection of two lines, Circular intersection, Construction by distance and/or angle			•	X				♦	♦			
	Support for splitting digitized line features into multiple single segments to create multiple line features at the same time			•	X				♦	♦			
	Import and export csv files with vertex coordinates per feature			•	X				♦	♦			
	Vertex matrix: Input or import of coordinates in selected projection differing from main map service projection.			•	X				♦	♦			
	Define attributive field values based on spatial relations (single containing feature, single intersecting feature, dominant intersecting feature)			•	X				♦	♦			
	Check position of a feature based on spatial relation (single containing feature, single intersecting feature, dominant intersecting feature, no intersecting feature)			•	X				♦	♦			
	Support to get the angle to a snap layer at editing of point objects automatically in the background			•	X				♦	♦			
Additional Functions													
Neighbor-search				•					♦	♦	♦	♦	
	Find neighbors respectively near objects (depending on tool configuration)			•					♦	♦	♦	♦	
	Optionally use a map view for specifying the map display when showing neighbor-search results			•					♦	♦	♦	♦	
Filter				•					♦	♦			
	Dynamic Filter for data of one or more Layers. Ability to specify filters with support for Geodatabase domains (i.e. show only pipes from Layer "water" where type is "potable" or "industry")			•					♦	♦			
	Filtering of objects by using parameterized HTTP call - one or multiple layers will only display objects satisfying the filter conditions. This way the user will be able to fully pay attention to the currently relevant objects because others will not get displayed at all			•					♦	♦			

Category	Functionality	Licencelevel			Module				Client				
		basic	standard	advanced	web editing	usermgmt	ePaper	extract server	html	core	flex	mobile	map widget
	Filtering of objects by submitting a predefined query und making use of the new search mode - layer will only display objects satisfying the filter conditions. This way the user will be able to fully pay attention to the currently relevant objects because others will not get displayed at all		•	•					♦	♦			
	User may optionally parameterize predefined filters - this way user will be able to e.g. only display objects valid at certain point of time etc.		•	•					♦	♦			
	Parameterized filter with date calculation feature - it's e.g. possible to display objects with a qualifying date in 30 days or 30 days ago (relative to current date)		•	•					♦	♦			
	Categorization of user filters for structured display on client-side		•	•					♦	♦			
	Show filter depending on visibility		•	•					♦	♦			
Additional Functions cont.													
Geo Bookmarks													
	Choose from list of predefined named extents for quick navigation to hot spots / areas of interest		•	•			(X)		♦	♦	(+)	(+)	(+)
	Support for user specific Geo Bookmarks		•	•			X		♦	♦	♦	♦	♦
	Preview of Geo Bookmark Extents		•	•					♦	♦			
Snapping													
	Snap to feature vertex points of arbitrary map vector layers for measuring and selection functions		•	•					♦	♦		(+)	(+)
	Snap on edges (line and polygon features). Function is switchable for the end-user		•	•					♦	♦		♦	♦
	Optionally snap to vertex points of existing measuring / drawing objects		•	•					♦	♦			
	Group multiple snap layers in snap profiles		•	•					♦	♦		♦	♦
Multilingualism													
	Full support for multi-lingual WebOffice projects - one (1) project configuration for user interface in multiple different languages	•	•	•					♦	♦	♦	♦	
	Multilanguage support for lookup tables	•	•	•					♦	♦	♦	♦	
Internationalization													
	Availability of all language dependent information as resource bundle file for easy translation	•	•	•					♦	♦	♦	♦	
	Resource bundles (incl. user interfaces) in German, English, French, Italian, Romanian, Russian, Slovakian, Hungarian and Arabic, Farsi, Turkish & Spanish	•	•	•					♦	♦	♦	♦	
	Full support for internationalization of all relevant metadata (layer names, field names, map service names etc.) of WebOffice projects	•	•	•					♦	♦	♦	♦	
	Support for different reading direction	•	•	•					♦	♦		♦	♦
Server-Framework SynerGIS - Geocom													
	Full support for multi-lingual WebOffice projects - one (1) project configuration for user interface in multiple different languages	(•)	•	•					♦	♦	♦	♦	
	Multilanguage support for lookup tables	•	•	•					♦	♦	♦	♦	
	Support for GEONIS nettrace	•	•	•					♦	♦			
Metadata													
	Keyword search for WMS map services in CS-W 2.0 conform catalog service (metadata catalog)		•	•					♦	♦			
	Integration of metadata catalog records (CS-W 2.0 conform catalog service) -in WebOffice table of content -as additional project specific information -as additional map view specific information		•	•					♦	♦			

Category	Functionality	Licencelevel			Module				Client															
		basic	standard	advanced	web editing	usermgmt	ePaper	extract server	html	core	flex	mobile	map widget											
Thematic Mapping																								
	Support for specifying one or more alternative layer styles using Layer files as source and therefore being able to use full ArcMap renderer potential		•	•					♦	♦														
	Display layer name and selected style in Table of Contents when a thematic mapping style is active.		•	•																				
Additional Functions cont.																								
Clustering: Visualize Point dispersion																								
	Smart display of dense point data for detecting spatial clusters (spatial data mining)		•	•																				
	Hands-On access to attribute data of point events using Map Tip functionality and cluster explosion features		•	•																				
Selection display																								
	Support for selection symbology specified in ArcMap layer properties	•	•	•																				
	Support for specifying dynamic selection display, i.e. highlighting objects with animated selection symbol	•	•	•																				
Routing																								
	Support for ArcGIS Online Routing Service or other Geoprocessing Services that work with this pattern (i/o parameters). Using the Routing Service of ArcGIS Online requires a valid ArcGIS Online account and uses ArcGIS Online credits (Esri Inc. Premium Service with costs)	•	•	•																				
	Address search for various routing stops using Geolocator address search service	•	•	•																				
	Use features from configured search result directly as stops (has to be point features e.g. from in-house address data or other operational data)	•	•	•																				
	Add stops by directly clicking into the map	•	•	•																				
	Add stops by using coordinates as input	•	•	•																				
	Route description as table output	•	•	•																				
	Route description as PDF including map	•	•	•																				
	Route display in the map	•	•	•																				
	Interaction between result table and map: Hovering over a maneuver highlights the part of the route and displays the detailed information as tool tip on top of the map. Clicking a maneuver zooms to the corresponding spatial extent.	•	•	•																				
	Support for printing the routing directions	•	•	•																				
	Create routing profiles to e.g. create routes for cars, trucks or emergency vehicles	•	•	•																				
	Configurable cost attribute (decide if route is optimized by distance or drivetime)	•	•	•																				
	Configurable restrictions (such as use a one-way restriction or not)	•	•	•																				
	Optionally add distance and drivetime information to routing directions	•	•	•																				
	Optionally provide a defined starttime on which the drivetime should be added	•	•	•																				
	Optionally reorder the stops for route optimization	•	•	•																				
	Optionally preserve first stop even if routing stops should be optimized	•	•	•																				
	Optionally preserve last stop even if routing stops should be optimized	•	•	•																				
	New custom tool to add routing stops using a tool	•	•	•																				
	Optionally define the first stop as last stop and optimize the stops in between only	•	•	•																				
	Generate map output (map export or print) including route	•	•	•																				
K5 Service Integration																								
			•	•																				

Category	Functionality	Licencelevel			Module				Client					
		basic	standard	advanced	web editing	usermgmt	ePaper	extract server	html	core	flex	mobile	map widget	
	Tool for labeling and printing data from K5 services. Queried entities and result label display depend on configuration used for GeoOffice K5 Integration and WebOffice. K5 Service requests are called in context of a K5 service user and clientID (mandant).		•	•		x			♦					
Additional Functions cont.														
XPlanung Web														
	Retrieve & display in a user-friendly UI the information provided through XPlanung E-Government project, a (german) object-oriented data exchange format.	•	•	•						♦				
Time awareness														
	Visualization of time-aware layers	•	•	•						♦				
	Visualization of time-aware image services	•	•	•						♦				
	Configuration of one or more time-slider profiles that affect one or more layers at a time. Profiles may define time ranges or a point in time. This range or point may be interactively defined by the enduser affecting all layers and services defined in the time-slider profile.	•	•	•						♦				
	Start and end time in timeslider can be locked through checkboxes. (enabling a cumulative view)	•	•	•						♦				
Maps														
Map Collection														
	Map collection: Ordered set of maps	•	•	•						♦	♦	(♦)	(♦)	(♦)
	Specific support for combined scenario - combination of a dynamic ArcGIS for Server service with a fused cache service	•	•	•						♦	♦	♦	♦	♦
	Support for configuring GetMap-Requests (with LAYERS parameter) in WMS Base URL to initially define layer visibility		•	•						♦	♦			
Map Service Types														
	Support for ArcGIS for Server Map Services (on premise or hosted, cached or dynamic)	•	•	•						♦	♦	♦	♦	♦
	Support for ArcGIS Online Map Services	•	•	•						♦	♦	♦	♦	♦
	Support for ArcGIS for Server Image Services (dynamic or cached)	•	•	•						♦	♦	♦	♦	♦
	Support for OGC WMS Services	•	•	•						♦	♦	♦	♦	♦
	Support for OGC WMTS Services	•	•	•						♦	♦	♦	♦	♦
	Support for OpenStreetMap Tile Server Services	•	•	•						♦	♦	♦	♦	♦
	Support for ArcGIS for Microsoft Bing Services: Aerial, Street, Hybrid; a valid Microsoft Bing Key is mandatory	•	•	•						♦	♦	♦	♦	♦
	Dynamic reprojection and transformation to the customer specific geographic projection system supported with ArcGIS Online, OGC WMTS, OpenStreetMap and Bing Map Services	•	•	•						♦	♦	♦	♦	♦
	Dynamic rescaling to the customer specific scales	•	•	•						♦	♦	♦	♦	♦
Additional Map Elements														
	Overview map	•	•	•						♦	♦	♦	(♦)	(♦)
	North arrow	•	•	•						♦	♦	♦	♦	♦
	Scale bar	•	•	•						♦	♦	♦	♦	♦
	Copyright text	•	•	•						♦	♦	♦	♦	♦
	Scale range dependent display of map service	•	•	•						♦	♦	♦	♦	♦
Maps cont.														

Category

Functionality

		Licencelevel			Module				Client				
		● available in Licencelevel			X Function requires Licencelevel PLUS Module				◆ Function avail. in Client with Licencelevel / Modul				
		basic	standard	advanced	web editing	usermgmt	ePaper	extract server	html	core	flex	mobile	map widget
Map Views		(●)	●	●									
	Combination of any layer group or layer visibility setting based on the whole map collection - easy use for WebOffice user	●	●	●					◆	◆	◆	◆	◆
	Include transparency level configuration for each of the map services included in map view	●	●	●					◆	◆	◆	◆	◆
	Linking of metadata short description and reference to metadata detail description for CS-W 2.0 conform query of metadata description		●	●					◆	◆			
	Overruling of layer groups respectively layer attributes	●	●	●					◆	◆			
	Hide one or multiple map services from table of content respectively map display according to the map view definition. Recommended to hide map specific information from the user	●	●	●					◆	◆			
	For every map view an own static legend can be matched	●	●	●					◆	◆	◆	◆	
	Support for providing map view categories - good way of structuring many configured map views	●	●	●					◆	◆	◆	◆	
	Display a map service only in defined scale range	●	●	●					◆	◆	◆	◆	◆
Table of Contents (TOC)		(●)	●	●					(◆)	◆			
	Layer navigation (can be hidden)based on ArcMap table of content	●	●	●					◆	◆			
	User may set level of transparency and maximum response time for each map	●	●	●					◆	◆			
	Display of map information (e.g. supported projections of OGC WMS)	●	●	●					◆	◆			
	Dynamically change the position of the map within the map collection for dynamically added maps		●	●					◆	◆			
	Link project, map service, layer group or layer to a metadata catalog using unique metadata identifier and CS-W 2.0 conform communication protocol for querying metadata information		●	●					◆	◆			
	Overrule layer group or layer attributes respectively add attributes (e.g. metadata information)	●	●	●					◆	◆			
	Configurable automatic map-update with each table of content-interaction (ArcView-like behavior)	●	●	●					◆	◆			
	Create groups of map services	●	●	●						◆			
	Display information about scale range of layers and map services in the table of contents	●	●	●					◆	◆			
	Support for layer files per map view	●	●	●					◆	◆			
Legend		●	●	●					◆	◆	(◆)	(◆)	
	Dynamic display of ArcMap legend in the table of content	●	●	●					◆	◆			
	Multilanguage support for dynamic legend display in the WebOffice table of content	●	●	●					◆	◆			
	Use of prepared legend images possible	●	●	●					◆	◆	◆	◆	
	Support for legend images referred to by a WMS or WMTS service	●	●	●					◆	◆			
Application Framework													
Project Switching		●	●	●					◆	◆	◆	◆	
	List of projects or external applications which allow the user to switch to another content cross-boarder a project limit. Optionally apply the actual extent, even if the coordinate systems of the different projects do not match.	●	●	●					◆	◆	◆	◆	
Project Choice		●	●	●					◆	◆	◆	◆	
	List of all available projects when calling WebOffice without project ID (traditional layout)	●	●	●					◆	◆	◆	◆	

Category	Functionality	Licencelevel			Module				Client				
		basic	standard	advanced	web editing	usermgmt	ePaper	extract server	html	core	flex	mobile	map widget
	Landing Page: Project choice in ModernUI Style (modern layout)	•	•	•					◆	◆	◆	◆	
	Landing Page: Automatic device detection and alternating modern layout for mobile devices	•	•	•					◆	◆	◆	◆	
	Landing Page: Add additional information, thumbnails and metadata for each project	•	•	•					◆	◆	◆	◆	
	Landing Page: Add additional information like contact information, maintenance times or RSS-Feeds as dynamic tiles	•	•	•					◆	◆	◆	◆	
	Landing Page: Optionally add external application (i.e. ArcGIS Online built Applications) with identical set of additional information like WebOffice projects. This way a user can choose the proper projects independent of the used technology.	•	•	•					◆	◆	◆	◆	
	Landing Page: ArcGIS Online content query. Search for content shared on ArcGIS Online. Open web maps, map services or whole applications directly from the search dialog if a WebOffice container project is configured.	•	•	•					◆	◆	◆	◆	
	Landing Page: Full configuration of look and feel, including color schemes, background, header, etc.	•	•	•					◆	◆	◆	◆	
	Support for a Landing Page in a minimalistic layout to be used to embed into a parent website	•	•	•					◆	◆	◆	◆	
	Generic Tiles open in new browser tab	•	•	•					◆	◆	◆	◆	
Project Groups		•	•	•					◆	◆	◆	◆	
	Project groups for grouping together logically related projects.	•	•	•					◆	◆	◆	◆	
User Interface related Properties													
WebOffice html		(•)	•	•					◆				
	Configuration of prepared user interfaces		•	•					◆				
	Customizing by means of stylesheet classes	•	•	•					◆				
	Flexible window technique (desktop look&feel) -free positioning of user window -minimize/maximize -docking/fixing of windows -undocking of windows			•	•				◆				
	Centralized server side user interface for ensuring specific WebOffice client layouts	•	•	•					◆				
	Navigation control with Zoom In, Zoom Out, Pan, Zoom Last, Zoom Next and Zoom Full functionality as well as zoom slider	•	•	•					◆				
User Interface related Properties cont.													
WebOffice html cont.		(•)	•	•					◆				
	Display scales (numbers) aside the zoom slider of the navigation control	•	•	•					◆				
	Rotation control for dynamically rotating the current map	•	•	•					◆				
	Search result window and table of content provide menus redundant to context menus to avoid 'hidden' functionalities	•	•	•					◆				
	User specific tailoring of WebOffice client: Adjusting position, width and height of windows, specifying if window is docked or floating and if window is minimized; default query layer		•	•					◆				
	Maintenance of centralized user profiles by administrator	•	•	•					◆				
	Activation of user profile by passing start parameter in URL	•	•	•					◆				
	Optimization for different screen resolutions	•	•	•					◆				

Category	Functionality	Licencelevel			Module				Client					
		basic	standard	advanced	web editing	usermgmt	ePaper	extract server	html	core	flex	mobile	map widget	
	Save and restore user profile functions for user		•	•										
	Support for standard user profile that will get used by default without providing any URL start parameters	•	•	•										
	Position Link enables the user to quickly pass over the current map position to another user as URL by using copy&paste		•	•										
WebOffice core		•	•	•										
	Ribbon Interface: Office product like user interface. In a central ribbon all tools are organized in tabs that are completely customizable. This way only important tools for a specific workflow are shown and the complexity of the interface is reduced.	•	•	•							♦			
	Customized Workflow Ribbon-Tabs: Tools may be arranged in one or many Tabs at once, with free control of the position. This way it is possible to define a workflow where each needed tool for a specific workflow is shown and can be used step-by-step.	•	•	•							♦			
	Quicktools: Completely customizable Quicktools define the shortest entry-point to a workflow.	•	•	•							♦			
	Project Center: Collection of frequently used lists and inputs like full-text search, scale choice, bookmarks and more.	•	•	•							♦			
	Context menu: Depending on the length of a right-mouse-click the pan shortcut is used (long) or the context menu opens (short). Context menu gives access to lots of functionalities to optimize workflows and work directly with the map.	•	•	•							♦			
	Download Center / Profile related Settings: Central menu to view and reuse all exports (print output, spreadsheet export,...), stored search results and user profile specific settings like user defined bookmarks.	•	•	•							♦			

User Interface related Properties cont.

WebOffice core cont.		basic	standard	advanced	web editing	usermgmt	ePaper	extract server	html	core	flex	mobile	map widget
	Filter the identifiable/selectable layers in the choice list	•	•	•							♦		
	Navigation in the main map display by using shortcuts	•	•	•							♦		
	Missing tile image for missing caches	•	•	•							♦		
	Basemap switcher	•	•	•							♦		
	Support for Google Street View © widget integration	•	•	•							♦		
	Show hyperlinks and photos of related objects in MapTip	•	•	•							♦		
	Support for Web Scenes as a custom tool	•	•	•							♦		
WebOffice flex		(•)	•	•								♦	
	Easy to use user interface with at maximum 3 clicks for displaying your object of interest - new intuitive concepts concerning search and result display	•	•	•							♦		
	4 layout skins available out-of-the-box: default (dark blue), grey, navajowhite3, olivedrab	•	•	•							♦		
	Optimized search form for small, medium and large count of queries	•	•	•							♦		
	Define set of colors and icon for each predefined query individually	•	•	•							♦		
	Optionally use dynamically generated preview images for map view choice	•	•	•							♦		
	Tool Magnifier - magnified display of a specific part of the map		•	•							♦		
	Use tool Map Tip with either hovering over or clicking a feature		•	•							♦		

User Interface related Properties cont.

Category	Functionality	Licencelevel			Module				Client				
		basic	standard	advanced	web editing	usermgmt	ePaper	extract server	html	core	flex	mobile	map widget
WebOffice mobile		(●)	●	●									
	Provide two different client layouts for devices with either small displays (phone) or large displays (desktop/tablet) for having best user experience	●	●	●								◆	
	Drilldown identify feature with crosshair concept optimized for touch displays	●	●	●								◆	
	Optionally identify features using a touch event - configurable to be always activated	●	●	●								◆	
	Tool for navigating to the current GPS location of your mobile device. Incrementally refine position by polling the it until a configured accuracy is reached.		●	●								◆	
	Map navigation featuring integrated zoom and pan making use of multitouch gestures	●	●	●								◆	
	Hyperlinking of image files - gallery function	●	●	●								◆	
	Optional info / status bar with additional context specific information	●	●	●								◆	
	Dynamic project specific Online Help - User friendly because just the available tools have an entry in the Online Help	●	●	●								◆	
	Support for automatic map location actualization based on the actual device position (Geolocation)		●	●								◆	
	Support for executing a vicinity search directly from the actual position (Geolocation)		●	●								◆	
	Use the actual device position as snap point		●	●								◆	
	Integrate an RSS Feed to display in WebOffice mobile client	●	●	●								◆	
	Optimized icons for high resolution displays using font characters instead of images.	●	●	●								◆	
	Support for configuring the order of tools in the lower toolbar	●	●	●								◆	
WebOffice map widget		●	●	●									◆
	Interaction of embedding application with client (map widget) using URL call interface	●	●	●									◆
	Interaction of client (map widget) with embedding application using callback mechanism	●	●	●									◆
	Map navigation (Zoom In, Zoom Out, Pan) with touch or mouse interaction, support for dynamic and/or cached map services	●	●	●									◆
	Optimized client layout for high-resolution-displays.	●	●	●									◆
	Identify tool with crosshair	●	●	●									◆
	Display WGS84 coordinates (provided as input) with markers in the map	●	●	●									◆
	Special tool to add/remove features to/from a current set of selected features	●	●	●									◆
	Optional: Apply CORS communication to overcome HTTP GET string limits and support cross-domain scenarios alike	●	●	●									◆
	Support for filtering search (only show symbology of matching results)	●	●	●									◆
	Support for the selection of objects out of a full-text-search request	●	●	●									◆
	Support for user-defined overcontrol of the GUI via CSS	●	●	●									◆
	Return click coordinates (additional to feature coordinates) in the callback. Optionally use projected coordinates.	●	●	●									◆
	Support for dynamic size adaption when integrating widget into a responsive design application	●	●	●									◆
User Interface related Properties cont.													
WebOffice map widget cont.		●	●	●									◆
	Support for sending the current position to the callback	●	●	●									◆
	Support for basemaps and basemap switcher	●	●	●									◆
	Additional map widget type custom tool.	●	●	●									◆
WebOffice authoring tools													

Category

Functionality

Licencelevel		
● available in Licencelevel		
basic	standard	advanced

Module			
✗ Function requires Licencelevel PLUS Module			
web editing	usermgmt	ePaper	extract server

Client				
◆ Function avail. in Client with Licencelevel / Modul				
html	core	flex	mobile	map widget

WebOffice author		(●)	(●)	●	(✗)	(✗)			(◆)	(◆)	(◆)	(◆)	(◆)
	WebOffice author (ArcGIS Extension) for creating and maintaining WebOffice projects - 'configure instead of programming' based on powerful configuration datamodel!	●	●	●					◆	◆	◆	◆	◆
	Publishing of WebOffice projects out of WebOffice author	●	●	●					◆	◆	◆	◆	◆
	Wizard for creating a WebOffice project	●	●	●					◆	◆	◆	◆	◆
	Wizard for creating and maintaining queries	●	●	●					◆	◆	◆	◆	◆
	Wizard for creating and maintaining tabular queries	●	●	●					◆	◆	◆	◆	◆
	Simple staging support	●	●	●					◆	◆	◆	◆	◆
	Validation archive in its own window for easier management of validation errors	●	●	●					◆	◆	◆	◆	◆
	Using application profiles for easy change between different WebOffice applications	●	●	●					◆	◆	◆	◆	◆
	Most recently opened (used) file' allows fast access to most recently used WebOffice project configuration	●	●	●					◆	◆	◆	◆	◆
	Wizard for configuring Selectable / Identifiable Layer(s)	●	●	●					◆	◆	◆	◆	◆
	Support for copying parts of projects like e.g. Layer or Edit layer configuration from one project to another – minimizing time needed for e.g. implementing Layer configurations on most often used data like parcels or address etc.	●	●	●					◆	◆	◆	◆	◆
	Import layer references dialog for map/dataframe specific layer reference update	●	●	●					◆	◆	◆	◆	◆
	Support for managing Application Profiles	●	●	●					◆	◆	◆	◆	◆
	ArcMap toolbar for WebOffice author - toolbar button for copying the ArcMap Table of Content of the currently active dataframe	●	●	●					◆	◆	◆	◆	◆
	ArcMap toolbar for WebOffice author - toolbar button for updating/synchronizing the User Management database	●	●	●					◆	◆	◆	◆	◆
	Enhanced staging support - replacing URLs	●	●	●					◆	◆	◆	◆	◆
	Staging: Transferring usermanagement databases. Functionality to back up or restore usermanagement databases.	●	●	●		✗			◆	◆	◆	◆	◆

WebOffice authoring tools cont.

WebOffice author cont.		(●)	(●)	●	(✗)	(✗)			(◆)	(◆)	(◆)	(◆)	(◆)
	Staging: Support for synchronizing users and passwords with the WebOffice usermanagement Staging tool	●	●	●		✗			◆	◆	◆	◆	◆
	Necessary license level for a WebOffice Tool gets displayed in Tools configuration (Menu new)	●	●	●					◆	◆	◆	◆	◆
	Improved staging support - easier and more comprehensible moving of projects from staging system to production	●	●	●					◆	◆	◆	◆	◆
	Generic edit mode for complete configuration tree	●	●	●					◆	◆	◆	◆	◆
	Wizard for creating and maintaining edit layer configurations			●	✗				◆	◆	◆	◆	◆
	Maintenance of the base data in usermanagement database	●	●	●		✗			◆	◆	◆	◆	◆
	Move configuration elements by using drag & drop	●	●	●					◆	◆	◆	◆	◆
	Configure multiple configuration parameters at once	●	●	●					◆	◆	◆	◆	◆
	Wizard for adding external map services. Use hosted service (e.g. ArcGIS Online map services) in query wizard, without mxd opened in the background.	●	●	●					◆	◆	◆	◆	◆
	Wizard for adding external map services: Choose from predefined ArcGIS Online Base Maps	●	●	●					◆	◆	◆	◆	◆
	Adapt the selection symbology of each layer and transfer it to the project configuration	●	●	●					◆	◆	◆	◆	◆
	Create the layer structure of an external ArcGIS Server Service or ArcGIS Online Service in the project configuration without an underlying mxd. This way work with the wizards with the same comfort as with a local mxd	●	●	●					◆	◆	◆	◆	◆

Category	Functionality	Licencelevel			Module				Client				
		basic	standard	advanced	web editing	usermgmt	ePaper	extract server	html	core	flex	mobile	map widget
	Filter in generic mode for layer queries, edit layers, table and map views	•	•	•					♦	♦	♦	♦	♦
	Transfer a WebOffice project configuration into a WebMap Item registered on a Portal for ArcGIS or an ArcGIS Online organization	•	•	•									
	Tool for clearing up abandoned entries in the UMDB	•	•	•		x			♦	♦	♦	♦	♦
WebOffice plot author		(•)	•	•					♦	♦	♦	♦	
	Graphical administration of plot templates with SynerGIS plotten admin in ArcMap (ArcGIS layouts)	•	•	•					♦	♦	♦	♦	
	Layout view for plot template at design time - easy and fast creation of plot templates	•	•	•					♦	♦	♦	♦	
	Save button (additional to 'save as') for saving opened templates without need for selecting file	•	•	•					♦	♦	♦	♦	
	Store dataframe properties frame, shadow, background color and grid into plot template	•	•	•					♦	♦	♦	♦	
	Faster and easier creation of standard function fields in plot templates	•	•	•					♦	♦	♦	♦	
	Print series - optional usage of an overview page with dedicated plot layout for displaying the plot grid graphically including plot page index number display in overview as well as single page layout.		•	•					♦	♦	♦	♦	
WebOffice authoring tools cont.													
WebOffice ePaper author / Reporting		•	•	•			x		(♦)	♦	♦	♦	
	WebOffice ePaper author - ArcMap toolbar for creating and maintaining ePaper templates. Powerful GIS centric reporting technology within ArcGIS - administration tools with WYSIWYG design mode	•	•	•			x		♦	♦	♦	♦	
	Seamless integration of ePaper functionality within WebOffice	•	•	•			x		♦	♦	♦	♦	
	Availability for Esri data source - reporting of layer object data, current map and feature map (map of single selected object) with 5 different scale calculation algorithms	•	•	•			x		♦	♦	♦	♦	
	Consuming of any OLE DB data sources, image files, documents within reporting templates	•	•	•			x		♦	♦	♦	♦	
	Controlling report contents (implementing business logic into reports) and interactive behavior	•	•	•			x		♦	♦	♦	♦	
	Statistics and other math functions	•	•	•			x		♦	♦	♦	♦	
	First page, last page, multipage layout, page header, page footer, etc.	•	•	•			x		♦	♦	♦	♦	
	Support for output formats PDF, DOCX, XLSX, HTML, RTF und ODT	•	•	•			x		♦	♦	♦	♦	
	Control output quality (DPI count) of reports	•	•	•			x		♦	♦	♦	♦	
	Use arbitrary directory for saving ePaper templates	•	•	•			x		♦	♦	♦	♦	
	Support for displaying mashups in the map of the report document (same content as in WebOffice client)	•	•	•			x		♦	♦	♦	♦	
	Support for multiple maps (different map views, different scales) within one report document	•	•	•			x		♦	♦	♦	♦	
	Archive ePaper reports	•	•	•			x		♦	♦	♦	♦	
	ePaper logging with create-info and generic input fields. (into a configurable geodatabase table)	•	•	•			x			♦			
	Support for generic fields for dynamic userinput	•	•	•			x			♦			
WebOffice extract server / export of geodata		•	•	•		x		x	♦	♦			
	Support for various GIS formats: Esri Shapefile, Personal Geodatabase, File Geodatabase, GPS Exchange format	•	•	•		x		x	♦	♦			

Category	Functionality	Licencelevel			Module				Client				
		basic	standard	advanced	web editing	usermgmt	ePaper	extract server	html	core	flex	mobile	map widget
	Support for various CAD formats: AutoCAD dxf, AutoCAD dwg in various versions	•	•	•		X		X	◆	◆			
	Support for GeoTIFF Raster format	•	•	•		X		X	◆	◆			
	Definition of extract configurations (packaging of multiple layers)	•	•	•		X		X	◆	◆			
	Support for UserManagement database based role based extraction rights control	•	•	•		X		X	◆	◆			
	Export geodata based on digitized polygon, optionally use clipping	•	•	•		X		X	◆	◆			
	Support projection on-the-fly - Supply extracted data in uniform projection - regardless of SRS of data source	•	•	•		X		X	◆	◆			

WebOffice authoring tools cont.

Access control management: UserManagement Admin													
Category	Functionality	basic	standard	advanced	web editing	usermgmt	ePaper	extract server	html	core	flex	mobile	map widget
	Role respectively user group based right and access control on WebOffice projects, Tools and Map services	•	•	•		X			◆	◆	◆	◆	◆
	Role respectively user group based right and access control on elements of the table of content (map service, layer group, layer), Control on layer level if display, search (query), selection, identifying, editing (create, edit, delete) is allowed	•	•	•		X			◆	◆	◆	◆	◆
	Role respectively user group based right and access control on object level (features). Use of attributive or simple spatial filters for controlling access to specific objects of a layer	•	•	•		X			◆	◆	◆	◆	◆
	Role respectively user group based right and access control on external projects embedded in the Landing Page (i.e. ArcGIS Online Applications)	•	•	•		X							
	Configuration of group profiles including initial and full extent as well as print profile and client ID	•	•	•		X			◆	◆	◆	◆	◆
	Controlling access to specific plot templates, ePaper templates, export configurations	•	•	•		X			◆	◆	◆	◆	
	Controlling access to specific map services	•	•	•		X			◆	◆	◆	◆	◆
	Controlling access to specific map views	•	•	•		X			◆	◆	◆	◆	◆
	Controlling access to overview maps	•	•	•		X			◆	◆	◆	◆	◆
	Support for user specific filtering of data for display, selection and editing by means of parameterized attributive filters on layers	•	•	•		X			◆	◆	◆	◆	◆
	Control access to predefined queries	•	•	•		X			◆	◆	◆	◆	◆
	Control access on query results	•	•	•		X			◆	◆	◆	◆	◆
	Control access to configured external parameterized application calls or hyperlink calls	•	•	•		X			◆	◆	◆	◆	
	Define expiration of passwords to force users to change their passwords in a defined period	•	•	•		X			◆	◆	◆	◆	
	Reporting effective user rights	•	•	•		X							
	Report effective group rights. Optionally include report of all user rights who are group member	•	•	•		X							
	Report effective layer rights	•	•	•		X							
	Report effective project rights	•	•	•		X							
	During creation of a user profile use the group memberships of a different user as a template	•	•	•		X							
	Self registration page: provides a website for users to enroll themselves. The approval to the projects takes place by the UserManagement administrator.	•	•	•		X							

WebOffice Administration

Category

Functionality

Licencelevel		
● available in Licencelevel		
basic	standard	advanced

Module			
✗ Function requires Licencelevel PLUS Module			
web editing	usermgmt	ePaper	extract server

Client				
◆ Function avail. in Client with Licencelevel / Modul				
html	core	flex	mobile	map widget

Category	Functionality	basic	standard	advanced	web editing	usermgmt	ePaper	extract server	html	core	flex	mobile	map widget
SynAdmin		●	●	●									
	Reloading of WebOffice project configurations and used ArcGIS for Server resources	●	●	●									
	Tab Projects - Button for launching html, flex and mobile client directly from SynAdmin if licensed and allowed	●	●	●									
	Reloading (restart) of WebOffice application	●	●	●									
	License information, status and version information	●	●	●									
	Logging - change log level for WebOffice modules	●	●	●									
	System runtime information	●	●	●									
	Display of used map services (local connection only) including geographic projection and map service type information (cache, dynamic, etc.) as well as detailed version information of all software components of WebOffice	●	●	●									
	Open and display current log file	●	●	●									
	Test page for parameterized calls to WebOffice	●	●	●									
	Status page for currently used database connections	●	●	●									
	Mapservices tab - detailed ArcGIS for Server map service information (service type, projection etc.)	●	●	●									
	Access statistics tab - simple numerical access statistics and graphical diagrams	●	●	●									
	Access statistics - Count of project start requests, print, user login, search result request, filtering of statistic data based on user login	●	●	●									
	View active WebOffice sessions function	●	●	●									
	Support for monitoring and administration of thread activities via SynAdmin	●	●	●									
	Support for an administrator e-mail address on application level	●	●	●									
	Read access to WebOffice project/application configuration	●	●	●									
	Read access to WebOffice HTTP Header information	●	●	●									
	Interactive filtering of access statistics on daily and on user basis ~ graphical display in terms of access statistic diagram	●	●	●									
	Updates tab rider in WebOffice administration pages providing centralized update information	●	●	●									
	Ensure WebOffice projects to be available instantaneously at any point of time - Support for automatic daily application reload	●	●	●									
	Upload license file directly via license tab	●	●	●									
	Button to add WebOffice RSS-Feed or display WebOffice News	●	●	●									
	Support for the output of user and project for all current sessions	●	●	●									
WebOffice Administration cont.													
User access logging and statistics		●	●	●									
	Logging of user access (date and time, user, IP, project, request type, used resources, duration) for creating access statistics and being able to track which user did access which resource at a certain point of time	●	●	●									
	Statistics file gets stored on daily basis. Additional field "HOUR" for analysis of peak load (system dimensioning)	●	●	●									
	Display min/max instances of each map service	●	●	●									

Category

Functionality

Licencelevel		
● available in Licencelevel		
basic	standard	advanced

Module			
✗ Function requires Licencelevel PLUS Module			
web editing	usermgmt	ePaper	extract server

Client				
◆ Function avail. in Client with Licencelevel / Modul				
html	core	flex	mobile	map widget

System Integration

Linking with Web-Apps		(●)	●	●						◆	(◆)	(◆)	(◆)	(◆)
	URL call interface - support for parameterized calls to WebOffice Client	●	●	●						◆	◆			
	URL call interface - support for parameterized calls to WebOffice Client. Simultaneously perform queries on multiple layers and display multiple layer results	●	●	●						◆	◆			
	Search & display functionality using parameterized calls to WebOffice	●	●	●						◆	◆	◆	◆	
	Flexible creation of parameterized calls to web applications from WebOffice	●	●	●						◆	◆	◆	◆	
	Flexible creation of dynamic hyperlinks for calling images, documents etc.	●	●	●						◆	◆	◆	◆	◆
	Dynamic adding of a map service by parameterized call to WebOffice		●	●						◆	◆			
	Target display window configurable (e.g. docked display in one of the quadrants of the WebOffice application window)	●	●	●						◆	◆			
	Display of search results by using an integrated external web application. Automated call of external web application to display search or selection results	●	●	●						◆	◆			
	Optionally add a configured post fix to the dynamically generated URL	●	●	●						◆	◆	◆	◆	
	Integrate an external search page into search form	●	●	●						◆				
	Enable targeted URL encoding for interconnections with other web applications	●	●	●						◆	◆			
	Read and apply content of Esri Web Map descriptions. This way the Web Map as exchange format between the different Esri Client applications can be used in WebOffice as well.	●	●	●						◆	◆			
	Jump to specific URL after logging out in WebOffice project	●	●	●						◆	◆			
Add / Replace app widgets		●	●	●						◆	(◆)	(◆)		
	Optionally configure a custom stack (external GUI module) that will get opened automatically when launching the WebOffice client	●	●	●						◆	◆	◆		
	Optionally substitute the result form (including search result toolbar and menus) by custom implementation	●	●	●						◆				
Link to local Applications			●	●						◆				
	Integration of WebOffice and SynerGIS Integrator enabled desktop applications (bidirectional, i.e. requests from WebOffice and to WebOffice are supported)		●	●						◆				
	Support for SynerGIS URL Integrator (synintegrator:) - no more local ActiveX Installation for integrating local desktop applications		●	●						◆				

System Integration cont.

Database		(●)	●	●						◆	◆	(◆)	(◆)
	Search on arbitrary tables/views (RDBMS)	(●)	●	●						◆	◆		
	Support for display of related data (JOIN (1:1) table to table or layer)	●	●	●						◆	◆	◆	◆
	Support for display of related data (RELATE (1:n) table to table or layer)	●	●	●						◆	◆		◆
	Window for displaying object relations with sorting, configurable column width, excel export (CSV-file)		●	●						◆	◆		
	Keep reference to relate key with export as csv file		●	●						◆	◆		
	Multi level object relations for navigating through a data model (e.g. from a building layer to a facade table and from there to a window table). Navigation view and detail view		●	●						◆	◆		

Category	Functionality	Licencelevel			Module				Client				
		basic	standard	advanced	web editing	usermgmt	ePaper	extract server	html	core	flex	mobile	map widget
	Support for lookup tables in tabular queries and results	•	•	•					♦	♦			
	Support more than one WebOffice Relate / WebOffice Join per search result	•	•	•					♦	♦			
	Support for Geodatabase Archiving	•	•	•					♦	♦			
Identity check		•	•	•					♦	♦	♦	♦	♦
	Support for different authentication systems like Microsoft Active Directory, Sun Directory Server, Novell eDirectory etc. or provide identity check directly from SynerGIS UserManagement database	•	•	•		x			♦	♦	♦	♦	♦
	Support for single sign on (SSO) in selected scenarios (e.g. in Microsoft Windows networks with Microsoft Internet Information Server)	•	•	•		x			♦	♦	♦	♦	♦
	Support for single sign on (SSO) including user role assignment in LDAP system in selected scenarios (e.g. in Microsoft Windows networks with Microsoft Internet Information Server). No user data in rights repository necessary	•	•	•		x			♦	♦	♦	♦	♦
	Support for role based (without user ID) rights control with Java application servers -Users and User Groups in LDAP system (e.g. Microsoft Active Directory), -Roles in SynerGIS UserManagement rights repository	•	•	•		x			♦	♦	♦	♦	♦
	Alternative login option if LDAP identification fails	•	•	•		x			♦	♦	♦	♦	♦
	Support for Single Sign On for web applications integrated with WebOffice by providing the user context of the user logged on to WebOffice	•	•	•		x			♦	♦	♦	♦	♦
	Support for anonymous log in without password - access of guest user without password and standard user with password can be combined	•	•	•		x			♦	♦	♦	♦	♦
	Support for reading the full name of a user from the LDAP system and using it for display in WebOffice client and print output	•	•	•		x			♦	♦	♦	♦	♦
	Support for LDAP fail over server	•	•	•		x			♦	♦	♦	♦	♦
	Read user metadata (attributes) from LDAP for currently logged in user and display them in print documents	•	•	•		x			♦	♦	♦	♦	♦
	Control the aggregation of different roles	•	•	•		x			♦	♦	♦	♦	♦
System Integration cont.													
Script API		•	•	•									
	Extended ScriptAPI for controlling WebOffice client using JavaScript function calls	•	•	•									
	Enhanced support for Script API based remote control of WebOffice client using JavaScript function calls	•	•	•									
	Read TOC from Script API. Set TOC element visibility using Script API	•	•	•									
	Provide Print or WebOffice ePaper functionality in WebOffice ScriptAPI	•	•	•				x	♦	♦			
	Trigger archiving of ePaper Reports via ScriptAPI	•	•	•				x	♦	♦			
	Switch to tab of ribbon in user interface	•	•	•						♦			
	Creation of a search result grid including external application linking	•	•	•					♦	♦			
Service API		(•)	(•)	•	(x)	(x)							
	HTTP Service API (REST style) capable of returning map image files or JSON (JavaScript Object Notation) responses for easier and faster integration of light weight GIS functionalities	•	•	•									
	Support for ESRI Geolocator based address search	•	•	•									
	Support for tiled services (local ArcGIS for Server services, arcgis.com , BING, OpenStreetMap)	•	•	•									

Category	Functionality	Licencelevel			Module				Client				
		basic	standard	advanced	web editing	usermgmt	ePaper	extract server	html	core	flex	mobile	map widget
	Support for external editing calls (includes passing of geometry and attributes)			•	X								
	Support for user groups (pass roles of WebOffice UserManagement)	•	•	•		X							
	Support for Geo Bookmarks	•	•	•									
	Support for Geoprocessing tools			•									
REST API		•	•	•									
	Support for token-based REST API query to get LDAP/UM attributes	•	•	•		X			♦	♦			
Extended Esri Functionality Support													
ArcMap Relates		•	•	•					♦	♦			
	Support for ArcMap Relates	•	•	•					♦	♦		♦	
	Support for resolving the first level of relations coming from ArcGIS relationship classes	•	•	•					♦	♦			
Route Event Layer			•	•					♦	♦	♦	♦	♦
	Support for Route Event Layers (Identify, Query, Map Tip)		•	•					♦	♦	♦	♦	♦
Caches		•	•	•					♦	♦	♦	♦	♦
	Support for single fused map caches (prerendered)	•	•	•					♦	♦	♦	♦	♦
	High end support for services of type "cache on demand" for the simplification of the roll out of caches	•	•	•					♦	♦	♦	♦	♦
	Full support for blending multiple caches on client side - each of them with optional transparency level	•	•	•					♦	♦	♦	♦	♦
Linear Referencing		•	•	•					♦	♦			
	Support for m-value search (linear referencing)	•	•	•					♦	♦			
Attachments		•	•	•					♦	♦	♦	♦	♦
	Support for read access to GeoDB attachments of a GIS-Layer	•	•	•					♦	♦	♦	♦	♦
	Support for read access to GeoDB attachments of a table, which is linked with a GIS-Layer via Relate	•	•	•					♦	♦	♦	♦	♦

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