

Logistics.ONE 5.3 Feature list

Legend: V = Available, X or blank = Not available, O = Optional, P= Planned functionality

Features	Feature description	5.3	Platform	Android
Logistics.ONE Mobile Office features				
Mobile: Authentication				
Flexible User sign in	Every device is linked to a vehicle and a group. The group determines which drivers can login. This configuration is done at the front office.			V
Remote user authentication	A mobile user must login, the login request gets checked at the server. After a server confirmation, the user can login on that device for a configurable amount of time. (Lease time)			V
PIN code entry	The driver must enter his PIN code before using the application.			V
Register multiple co-drivers	Multiple Co-drivers can be registered on the device, using the same user sign in procedure, when the a tour requires a second driver			V
Register truck composition	Register combination and relationship of truck (id), trailer (id)			X
Mobile: Tour administration				
Tour Download	The Tour is downloaded using a sync cycle, which is automatically triggered. The download status is shown through a progress bar.			V
Overnight Tour download	When the device is active and connected to a network, a tour can automatically be downloaded to the device even when Logistics.ONE is not active.			X
Request Tour	A tour can be requested from the mobile application, based on the tournumber in combination with the group of the device and the tour.			V
Tour updates	After an tour is downloaded to the Mobile Office, the planner can still update or change the tour. These changes will be pushed to the Mobile Office.			V
Multiple tours	The Mobile Office support multiple tours on a device. Only one tour can be activated. The details of all other unactivated tours can be seen.			V
Alerts	Whenever a tour update has been made, the driver will receive an alert of the coming changes to the tour.			X
Reminder to drivers	The user can receive a reminder to contact (call) the consignee with a configurable amount of time.			V
Adding single Visits	Receive updated tour from the TMS. The additional visit will be added to the tour.			V
Report Tour problems	The driver can report a problem, including reason (truck engine problem, flat tire, etc), to a tour, the planner can then make decisions and perform the required actions.			V
Report Visit problems	Return Visit functionality (returned visit goes back to the planner for re-assignment) Report reason (too late; truck full, etc)			V
Delay reporting	The can report and delay. (Traffic, Police, etc)			X
Timesheet	The driver can create new timesheet records. (Waiting, Fuelling, etc)			V
Automatic Timesheet.	When the drivers uses the Mobile Office for performing all the steps in his workflow, at the time he actually starts performing the step, the system will automatic create and organise the drivers' timesheet during the day.			V
GPS based activity control	When the software detects GPS movement, the activity will automatically be set to Driving. When the software detects that the vehicle has stopped, the user will be asked what activity he will be performing.			V
Expense reporting	Manual entry of incurred costs (gas, meals, motorway tolls) for expense reporting: type of cost, amount, currency.			X
Mileage recording	The driver can enter the start mileage of the vehicle when starting the tour and when finishing the tour.			V
Messaging	Sending and receiving messages.			V
Timestamps	Timestamps are recorded for all tour related events.			V
Extra tasks on drivers initiative	Extra task can be started (unplanned tasks) by the driver. Examples: making a picture, temporarily dropping packaging.			V
Mobile: Visit & Order management				
Visit overview	See all visits of the current tour			V
Wait on arrival	Wait functionality if loading/unloading cannot take place immediately after arrival. Including waiting time recording.			V
Barcode scanning	Bar code scan to verify that items match with those listed on the order, upon unloading.			V
Barcode scanning feedback	Logistics.ONE will play a success or a bad sound dependent of the recognition of the scanned barcode			V
Barcode scanning advanced feedback	Logistics.ONE can vibrate the device if in incorrect barcode has been scanned. This feature only works on a limited number of devices. Currently support are the Intermec CN50 and the Motorola MC75 and MC75A.			X
Barcode scanning via Camera	Scanning barcodes via the built-in camera.			V
Camera and imager support	The driver can take a picture of an item or items make this picture.			V
Partial pickup	Partial pickup possible in case of problems, damages, etc			V
Partial delivery	Partial delivery possible in case of problems, damages, etc.			V
Electronic Prove of delivery (Epod)	Customer signature captured on mobile device are synchronized to the planner and customer interfaces, along with the time stamp of the signature and the name of the recipient.			V
Strong Epod	The customer must enter or scan a code that is unknown to the driver, before he can write his signature			V
Problem reporting	Reporting problems at Visit, Order, action and item level. Every problem will be reported with a problem cause and free text of the driver.			V
Returning a visit	This can be done through the problem reporting feature.			V
Timestamps	Timestamps are recorded for all visit related events like driving to, arriving, leaving. Timestamps of the start and ending of tasks are recorded.			V
Empty return packaging	Empty return packaging functionality (can be based on serial numbers of empty pallets).			V
Cash on delivery registration	Registration of the Cash on delivery process			V
Integrated Payment solution	Lavego's PackagePay is integrated into Logistics.ONE.			V
Planned costs	The TMS can sent the planned costs with the LOAD/UNLOAD or Survey task. The user can, when the task is almost completed, confirm or adjust the planned costs for the execution of this service. The costs will be added to the PAY task in order to get this amount paid.			V
Packaging	Registration of packaging based on a configurable packaginglist			V
Location scan	The driver can be asked to scan a location code, this provides an additional prove of being at a certain location. On Android this can be implemented in a Survey.			V
Surveys	A freely configurable question list can be presented to driver in order help the driver in his process or to collect additional business specific information. The given answers can steer the workflow on the visit.			V
Advanced Surveys	Evolved version of the survey functionality, with repeatable sub-surveys for example.			V
Driving overview	Name and Address of the next visit can be shown while driving (and navigation is not been used).			V
Visit onhold	Skip a visit by placing it onhold. Example: Due to a traffic jam the driver can drive to the next visit and return to the skipped visit later on.			V
Depot load	Specialised loading of all barcode-enabled parcels, that are planned for delivery in the tour.			V
Depot unload	Specialised unloading of all barcode-enabled parcels, that is picked up during the tour or have not been delivered during the execution of the tour.			V
Mobile: Workflow				
Most logical next step	The Mobile Office guides the driver to the most logical 'next step' in his process. All the logistics process steps are recorded with GPS, date and time stamps and the new status of the tour, visit, order, action and item. This status information will send to the Front Office directly.			V
Configurable actions per order	The actions to be performed at an visit and order can be different for every visit-order combination. The transport management system can guide the driver to perform all the required actions per visit. Example: At the first visit the driver is required to pickup some packaging and pickup some goods. At the next visit he will deliver some goods and ask for a signature. At the third visit the driver needs to deliver the goods (furniture for example) and install the furniture, after the installation the driver will ask the customer for a signature.			V
Reporting exceptions	Exceptions in the expected workflow process, can be reported by the driver. The driver can report problem, including problem codes and free text, related to the tour, visit, order, action and item. After the reporting of the problem, the driver will continue his other activities as normal.			V
Automatic Time recording	When the drivers uses the Mobile Office for performing all the steps in his workflow, at the time he actually starts performing the step, the system will automatic create and organise the drivers' timesheet during the day.			V
Unwanted feature removal	All functionality (not the mandatory product features), that is not needed or not allowed by the driver can be removed from the Mobile Office. This will prevent an overload of unwanted features presented to the driver. It is (for example) possible to disable the expenses functionality, vehicle configuration or even prevent the driver from manually adding packaging pickups.			V
Features can optionally be used	Features can optionally be used by a driver when not added in the visit. Example: In case of damage, a picture can be taken by selecting the picture task in the optional tasks menu.			V
Mobile: Tracking & Tracing				

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Tracking of packages	All package, order and visit related actions are linked with a date-timestamp and GPS coordinates. This will allow the Transport Management System to see exactly what action happened at what time and location.		V
Tracing of tours	During the execution of the tour, GPS coordinates are recorded at a regular interval. This will create opportunity for the Transport Management System to overlay the planned route with the actual route. This can lead into tour optimisations.		V
Online Tracing of vehicles and PDA's	The mobile device can send his last known GPS position when an IP connection to the Logistics.ONE server is available.		V
Tracing vehicles	Guaranteed GPS tracelog even when the mobile network connection is not working. The storing frequency and sending frequency can be configured.		P
Tracing vehicles including Canbus	Canbus tracelog even when the mobile network connection is not working. The storing frequency and sending frequency can be configured.		X
Mobile: Navigation			
Basic navigation	The Logistics.ONE Mobile Office can start a third party navigation tool that provide driving guidance from the vehicles current location the to next visit in the tour. Logistics.ONE provides an interface to various Navigation applications.The Navigation software is not included in the Logistics.ONE software package.		O
Advanced logistics navigation	For more advanced logistics navigation, we have an interface to PTV Fleet Navigator and Truck Navigator and Sygic Truck. Sygic Truck and PTV Truck Navigator are capable of taking special ADR routes and bridge heights into account. Navigation software is not included in the Logistics.ONE software package.		O
Fast Navigation start	Logistics.ONE can manage the Navigation applications in the background, this will minimize the Navigation startup time. Remark: this functionality is depended on the amount of free memory available on the device.		X
Mobile: Languages			
Language selection at startup	Every driver signing in onto the mobile office can choose his preferred language. The application will automatically switch to the selected language. Available languages: English, German, Dutch, French		V
Remember selected language	After selecting an language, the device will remember this language as the default language, until the deliver manually sets another language		V
Language selection for Co-driver	Every driver signing in onto the mobile office can choose his preferred language. The application will automatically switch to the selected language. Available languages: English, German, Dutch, French		X
Mobile: User interface			
Configurable screen elements	Icons, Menus, buttons, headers, panels and fonts colors are configurable. Based on centralised settings.		V
Big buttons	Big buttons on the screen will make it easy for the driver to guide him through the application.		V
Full screen software keyboard	Big button software keyboard automatically displaying the alpha or numerical version dependent on the required input type.		X
Straight Navigation logic	The navigation logic of the Mobile application is straight forward. The application has a very low learning curve.		V
Process driven	The application is process driven, this means that the application will guide the driver through the right steps in the logistics process.		V
Quarter VGA screen	Quarter VGA screen size for the smallest devices running Windows Mobile		V
Full VGA screen	Full VGA screen size for a sharper screen.		V
Landscape formfactor	Show the screen in landscape mode		V
Live automatic screen orientation	The application will show the most appropriate screen layout (landscape, portrait) based on the device orientation.		V
Kioskmode	The application runs full screen, preventing the user going back to the OS. On Android this can be achieved by a third party Launcher application.		O
Logistics.ONE Front Office features			
Front Office: Tour monitoring			
Flexible tour monitor	The tour monitor is equipped with configurable filters. This configuration allows the planner to create standard filters that will give him the tours that are important for monitoring.	V	
Delivery status	Graphical display of the delivery status overtime, according to the percentage of open and completed deliveries	V	
Tour history	The tour history can be seen by creating a filter using the configurable filter functionality.	V	
Location / Visit details	All the details of the tour can be seen, including all visits, Name of consignee, address, house number, postal code, city, country, signature, visit type (load / unload), orders within the visit,visit status,planned times, actual times etc.	V	
Order and items details	All the order and item details can be seen; product description, item quantity, item units, status, etc	V	
Customer web portal view	The planner can get access to the same functionality as the customers can by using the customer webportal. The planner does not have to sign in as a customer.	V	
Activities overview	Activities overview of each tour, as created on the Mobile Office during the execution of the tour.	V	
Expenses overview	Expenses overview of the tour, as entered on the Mobile Office by the driver; Amount, currently, type of expense (gas, toll, cleaning, etc)	V	
Basic Tracking of your vehicles	The current positions of the vehicles can easily be tracked by installing Google earth on the planners computer. When you already have an other mapping solution in house, Logistics.ONE can deliver the the GPS information via a flexible requestable interface.	V	
Advanced Tracking of your vehicles: Google Maps	When the basic version of the tracking and map solution is not sufficient, we offer a separate solution, only available in a 'Software As A Service' model. The solution offers a map solution based on Google maps and contains functionality to extract reports and create Geofences.	O	
Advanced Tracking of your vehicles: Flexible reports	When the basic version of the tracking and map solution is not sufficient, we offer a separate solution, only available in a 'Software As A Service' model. The solution offers a map solution based on Google maps and contains functionality to extract reports and create Geofences.	O	
Advanced Tracking of your vehicles: Geofencing	When the basic version of the tracking and map solution is not sufficient, we offer a separate solution, only available in a 'Software As A Service' model. The solution offers a map solution based on Google maps and contains functionality to extract reports and create Geofences.	O	
Front Office: Alert management			
Problem based alerts	Alert created after a driver reported a problem to a tour, visit, order, action or item.	V	
Notification to drivers	The drivers will get informed of tours that should have been started or visits where the driver should have been arrived at. The driver will be presented with options of reporting a delay or an problem. This information is then available for the planners.	V	
Alert overview & management	The planner can see a list of all created alerts, the planner set the alert to closed to indicated that it has been handled appropriate.	V	
Alert configuration	The super user can configure the alert levels(high, medium, low, off) per entity (tour, visit, order, action and item). The preventative alerts criteria can also be configured.	V	
Front Office: Customer webportal			
Real time transport information	Real time transport information by article number, reference number, order number, order reference number and consignee.	V	
Transport information	Order number, tour number, planned date and time, actual times, etc.	V	
Historic information	Historical information is present at the same level of detail.	V	
Front Office: Driver account management			
Driver account overview	Showing Name, username, account status, group(s).	V	
Managing driver accounts	Add / Edit / Activate / De-activate driver accounts.	V	
Reset driver password	Provide a new password for an existing driver account.	V	
Front Office: Planner account management			
Planner account overview	Showing Name, username, account status, group(s).	V	
Managing planner accounts	Add / Edit / Activate / De-activate planner accounts. Where de-activation prevents login.	V	
Reset planner password	Provide a new password for an existing driver account.	V	
Front Office: Customer account management			
Customer account overview	Showing Name, username, account status, Customer name.	V	
Managing customer accounts	Add / Edit / Activate / De-activate planner accounts. Where de-activation prevents login. The customer account can be linked to one customer.	V	
Reset customer password	Provide a new password for an existing driver account.	V	
Logistics.ONE Platform features			
Platform:			
Server Scalability	The Logistics.ONE platform can be extended to virtually unlimited users. This can be achieved by using available systems that already proven their scalability: webserver and databases. The logistics.ONE platform runs on top of a webserver and a database.	V	

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Client Scalability	The Logistics.ONE platform can support operational environments requiring many stops per tour and many items on a stop. Logistics.ONE is tested for at least 200 stops and 250 items (records) per stop.	V	
Platform: Mobile devices			
Device independent	Logistics.ONE will run on many different types and brands Windows Mobile devices. Samples: Intermec CN3, CN4, CN50, CN51, CN70, CK70. Motorola MC35 MC55, MC65, MC70 MC75, MC75A, VC6096 ES400, Psion Ikon Workabout G2, Pidion BIP500 BIP600 BM150 and series of consumer PDA's		
Device independent	Logistics.ONE will run on many different types and brands Android devices. Samples: Samsung Xcover 2, Samsung Active Tab, Zebra TC55, TC75, Motorola ET1, Tough Shield T700, TomTom Pro 8275 and many other Android devices		V
Resolution independent	Logistics.ONE will automatically detect the resolution and screen orientation of the Windows Mobile device supporting both the quarter VGA and the full VGA resolution. On Android the resolution support is even more flexible.		V
Screen orientation independent	Logistics.ONE will automatically set screen orientation of the device, supporting both the landscape and portrait mode.		V
API independent Barcode scanner support	Using barcode scanner possibilities in such way that it works seamless on every PDA brand.		V
Camera based barcode scanning.	Scanning barcodes via the built-in camera by using the integrated ZXING library.		V
GPS device support	Logistics.ONE is using the standard Windows Mobile GPS software comport or the Android API. By doing this multiple applications (Logistics.ONE and Navigation for example) can receive GPS signals without interfering each other.		V
Built-in Camera support	Logistics.ONE supports the Camera task. This task starts an external Camera application. This application maybe from a third-party. Specific brands and types PDA's with Camera's could require additional work. Currently available: Intermec CN3, CN50, CN51, CN70, Psion Ikon, Motorola MC65 (camera app on the device), Motorola MC75, MC75A, MC95. On Android the Android API's will provide the right access to the camera functionality.		V
Platform: Synchronisation			
Application triggered sync.	Application-triggered instant synchronization of data changes from Mobile Office to Front Office	V	V
Data compression	Data Compression for synchronisation	V	V
Offline use	The mobile user can use the application offline, if there is no communication available, the user can still perform his duty.	V	V
Automatic roll-back	Sync roll back (completely or partly) in case of broken connection (No Data Loss)	V	V
Full background sync	The synchronisation takes place in the background, the users workprocess is not interrupted	V	V
Platform: Security			
Password encryption	All user password are stored encrypted.	V	V
Database encryption	Database encryption protecting your data.	V	V
Mobile encryption	All data and logfiles are encrypted.	X	V
Platform: Communication			
Push of information	New and updated information at the front office can be pushed to the Mobile device	V	V
Phone usage: calling	Call numbers from the Logistics.ONE addressbook and call the number of the contact person of a visit or allow the user to call any number.	V	V
Phone usage	Receiving phone calls.	V	V
Phone call registration	Incoming calls and outgoing calls are registered and possibly linked with the one of the visits that can be linked with the phone number.	V	V
Send SMS	Send sms to the visits contact person informing him about the ETA.	V	P
Connection transparency	Automatic re-establishment of broken (wireless) connections.	V	V
Network independence	The solution can run under any IP based network, be it GPRS, EDGE, UMTS, HSDPA, HSUPA, W-Lan, Lan or ActiveSync	V	V
Event trigger connection	Connection created when needed, the user doesn't have to be involved in to the connection making process.	V	V
Automatic connection creation	Always keep connected when the battery level allows it to.	V	V
Automatic international Roaming	Actively disconnect and reconnect (to the new network) when crossing international borders	V	V
Encryption	Encrypted synchronisation using HTTPS.	V	V
Data wipe out	Wipe out: all locally stored data on the mobile device will be deleted when the device is blocked at the Front Office. In case of a stolen or lost device.	V	V
Authentication and Authorisation	Based on user authentication and device identification.	V	V
Keeping international costs manageable	Configurable communication profiles dependent on detected network type and operator.	V	X
Platform: Mobile Software Management			
Easy installation	Installation by using an installer or installer procedure on the mobile device.	V	V
Easy mass installation	Installation settings can be pre-configured in a settings xml file on the mobile device or can be performed by scanning a configuration 2D barcode.		V
Over the Air software distribution	Installation of the Mobile Office and updates over the air.	V	V
Network software updates	Installation of the Mobile Office and updates over any network. (Lan, W-Lan, ActiveSync)	V	V
Software updates via the Front Office	All software updates, Front Office and Mobile Office, are installed at the server. The server makes the updates available for the Mobile users.	V	V
Pushed Software updates to the mobile devices.	All software updates for the mobile devices can be pushed to the mobile device. The software update will start automatically or on the mobile users initiative.	V	V
Remote diagnostics	Logfiles and the mobile database on the Mobile device can be uploaded to the server by request of the Logistics.ONE admin	V	V
Advanced application performance analytics	The Android application uses the New Relic platform in order to provide detailed information regarding application performance and stability based on anonymous data collected from the mobile devices.		V
Platform: Demo and training			
Demo and trainings mode	The Logistics.ONE application has a demo and trainings mode, in this mode the tour(s) on the mobile device can be endlessly repeated and data will not be synchronised with the server.		V
Platform: Interfacing			
Readable format	Logistics.ONE reads and exports xml files, making it easy to create information for Logistics.ONE and read information from Logistics.ONE	V	
Multiple export methods	Logistics.ONE export xml reports in a directory on the server or these xml reports can be posted to another system.	V	
Requestable information	The Logistics.ONE server also supports HTTP requests in order to ask information.	V	
Smart tour xml import	The Logistics.ONE server Tour import mechanism makes it very easy to start working with Logistics.ONE: Any changes made on a tour in the TMS just require an re-export of that tour to Logistics.ONE. Logistics.ONE's unique smart tour import mechanism automatically detects new, changed, or deleted visits, orders, tasks and items. The system can also generate a (configurable) push message to the device so the driver will be aware of the changes made.	V	
Visit report caching	The Logistics.ONE server prepares and stores the visit reports in a special report caching table. When the visit report is requested through the interface, these XML documents are returned quickly with a very minimum system impact.This feature is important for bigger number of visit reports and when Logistics.ONE is serving multiple central systems with information.	V	
Platform: Reporting			
Reporting engine	Logistics.ONE has an optional reporting engine. This engine uses CrystalReports .rpt files and be can be triggered by certain events from the Logistics.ONE server for creating reports. These reports can be created by using a CrystalReport editor or the CrystalReports Visual Studio add-on.	O	
Logistics.ONE views	The Logistics.ONE database has a set of pre-defined views in the database that makes the creation of the report easier.	V	
Proof of Delivery	Reports can be created for all finished orders (status completed, completedproblem or problem). Multi lingual reports are possible as long as this is implemented in the reports themselves. The report my include the signature, pictures and all other details.	O	
Visit problem report	Create a report when the visit is set to the problem status, for example when the customer is not at home.	O	