SWARCO

OMNIA 4.3.5   Ver. 2

PRODUCT RELEASES NOTES

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Revisions History

Date	Version	Status	Index	Revision History	Author / Reviser
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08.05.2025	2.0	PREL	A0	Release Notes for Publication	Antonella Barletta

APPROVAL FOR SUBMISSION

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Name		Name	
Title	Project Manager	Title	Project Manager

CONTENT

1 SCOPE OF THE DOCUMENT

This document describes the software release of OMNIA 4.3 including the following:

- Releases 4.3 – New Features/Enhancements relating to the following domains:
  - Electronic Signs
  - Device Control
  - Event/Incident Management
  - Monitoring
  - Notification Management
  - Reporting
  - Strategy Management
  - System Configuration
  - User Management
  - Workflow Management
- Change Log Omnia software 4.3 relating to:
  - Features
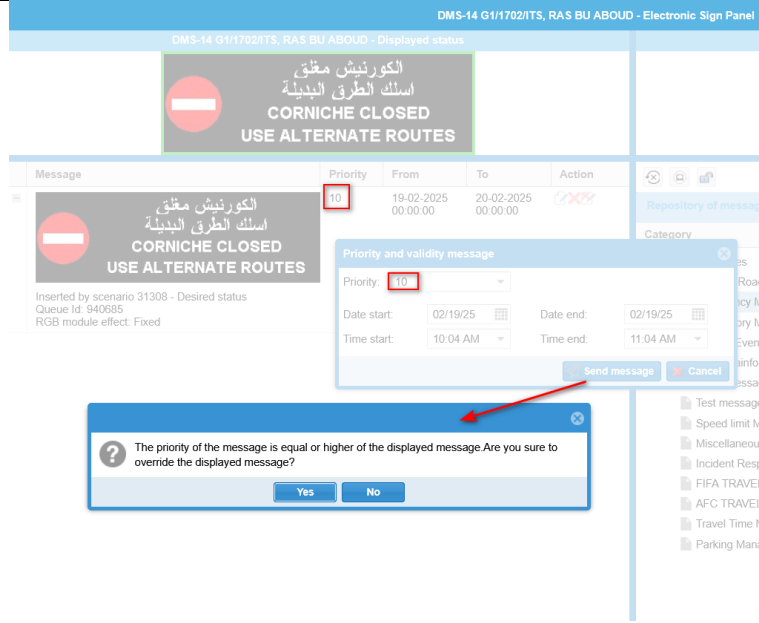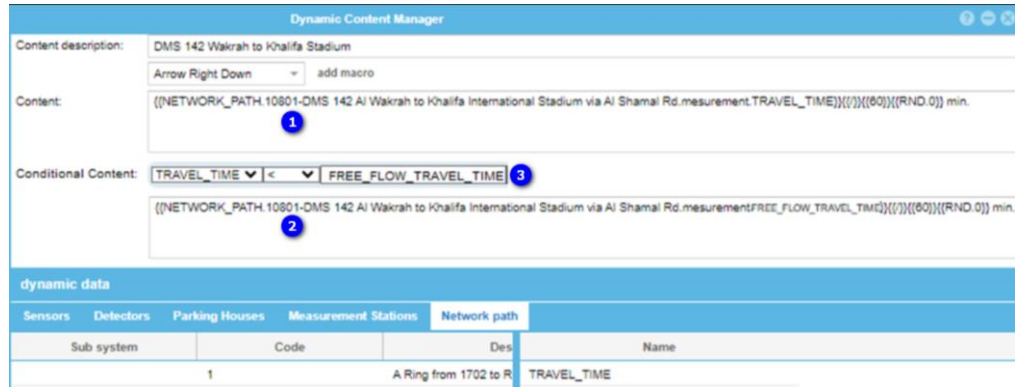 - Fixed
  - Known Issues

2 RELEASE NOTES OMNIA 4.3

2.1 NEW FEATURES/ENHANCEMENTS

The following new or enhanced features are available Omnia release 4.3
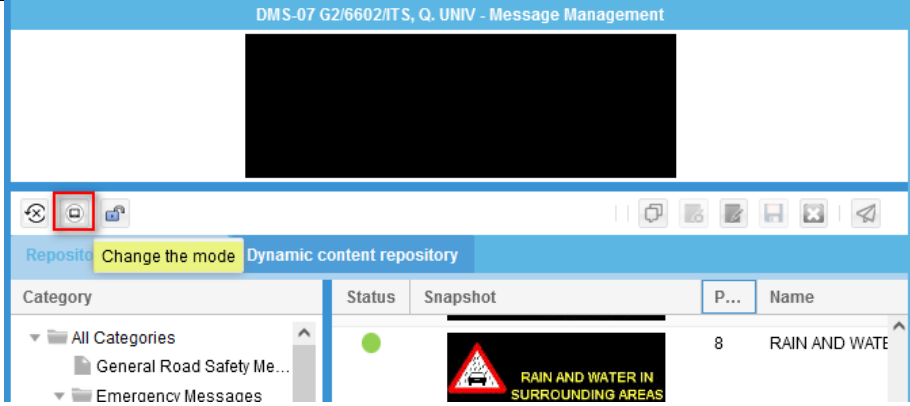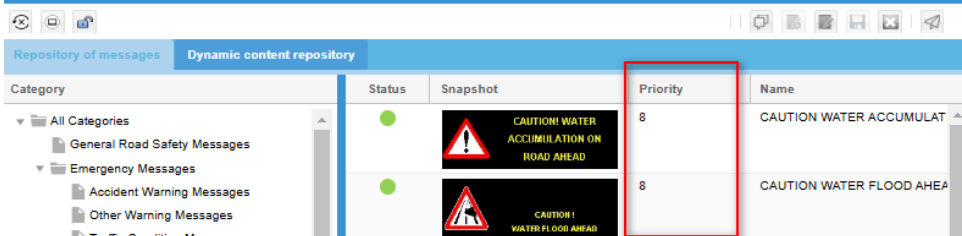
2.1.1 Electronic Signs

The following are main features provided in Omnia 4.3 version relating to Electronic Signs domain:

Domain	Feature
Electronic Signs C1233-3415	Enhancement: (Electronic Sign Panel – Priory conflict warning message) - In the Electronic Sign Panel application, has been managed the case where a manual message is set with the same/higher priority of the active message already present in the message queue. In this case the user is alerted with a warning message popup before proceeding sending the message. Confirming the message sending, the one in the queue will be overridden.

Domain	Feature
Electronic Signs C1233-3414	**Enhancement:** (Dynamic Content Manager - Conditional dynamic content) – In the Dynamic Content Manager application, the dynamic content editing experience has been improved for adding some rules to have a conditional contents when required. The "Conditional Content" field for specifying the rule and related text box where the logic sentence can be detailed have been added in the Dynamic Content Panel, to allow the user having proper rights to manage particular situations.
Electronic Signs C1233-3413	**Enhancement:** (Electronic Signs - Change Operational Mode) – In the Electronic Sign Panel have been added a dedicated button to switch the device Operational Status from "Local" ⊠ to "Central" ▭. The Operational Status value is reflected in Map View Status popup, System overview and Status Report applications too in the proper columns.

Domain	Feature
Electronic Signs C1233-3412	Enhancement: (Electronic Signs - Reset) – In the Electronic Sign Panels (based on NTCIP1203) have been added a dedicated button to reset the electronic sign and allowing the user to manually restart the sign itself.
Electronic Signs C1233-3592	Enhancement: (Electronic Signs – Message Priority) – In the Electronic Sign Panel, when sending the message selected from the message library, the proposed priority is the one from the saved message. In case of a sequence messages composed by different messages from the library having different priorities, the highest one shall be used.

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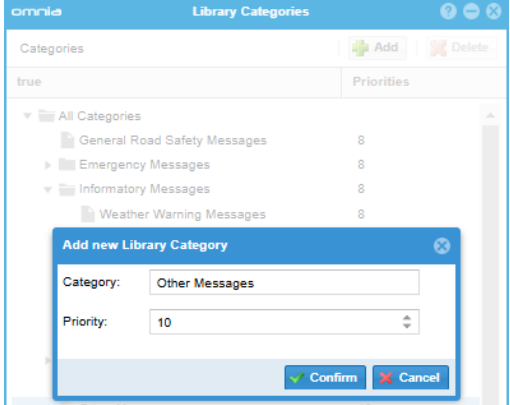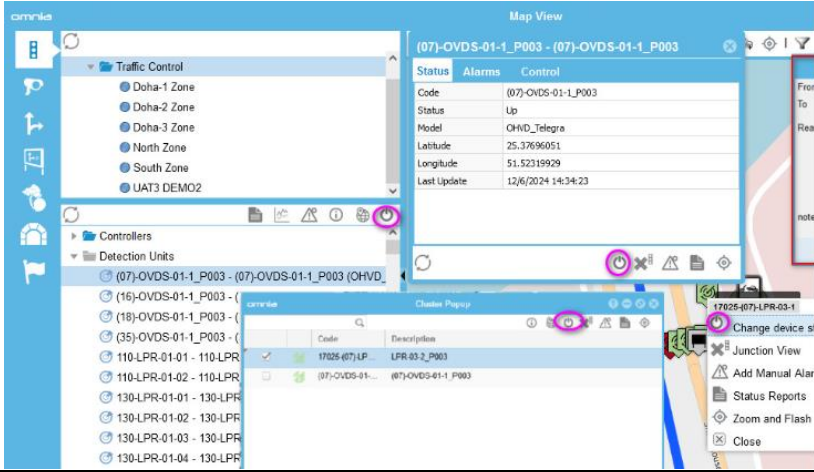
Domain	Feature
	Priority can be assigned to the Library Category directly too (it will be assigned by default to all the messages saved in that library).
Electronic Signs TCDEV01-351	Enhancement: (Electronic Signs – OPC UA Server) – OPC UA Server diagnostics has been improved to handle information by modules instead of gantry. The status field reflects module-specific information rather than gantry-specific data and local mode field ensures that this new information is available within the OPC UA Server.
Electronic Signs TCDEV01-264	Enhancement: (Electronic Signs – Message Library) – The operator can edit the text part of a pre-authorized message and send it. The operator cannot edit the graphic part of the pre-authorized message and send it but can only create a new message; each new message cannot be used until it is validated by an administrator according to the horizontal interlock rules.
Electronic Signs TCDEV01-210	Enhancement: (Electronic Signs – NTCIP Sign Manager) – Since the system can manage panels with different modules types, it is necessary to manage different IP/port configuration for each module. NTCIP Sign Manager has been improved for supporting the json configuration with the IP in the module section, instead of having the configuration of the IP only at panel level.
Electronic Signs TCDEV01-236	New: (Electronic Signs – Mobile Electronic Signs) – Mobile assets (any device mounted on a vehicle, e.g. VMS) can be displayed on the map. The new feature allows the user to assign to a vehicle multiple devices. The device can be moved from one vehicle to another. It is possible maintain the history of the association between a vehicle and a device. When the vehicle is moving, also the attached device updates his position on the map.

2.1.2 Device Control
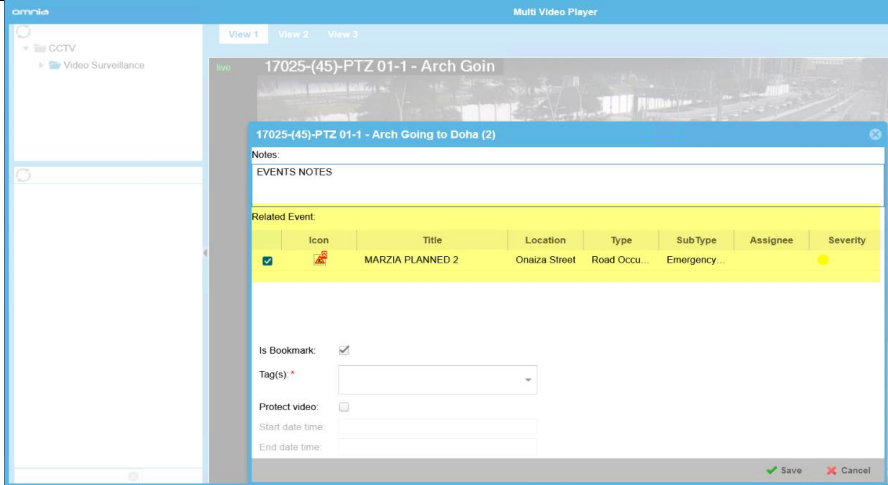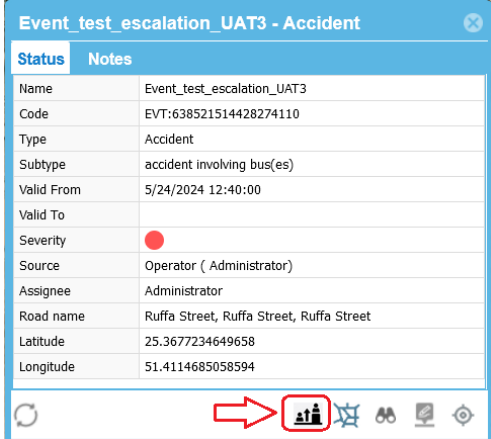
The following are main features relating to Device Control domain:

Domain	Feature
Device Control C1233-2960	Enhancement: (Detection Units - Force Offline) – The user can force offline Detection Units from the following GUI points directly: ▪ DU objects tree toolbar ▪ DU status popup ▪ DU context menu ▪ Map cluster popup

2.1.3 Event Management
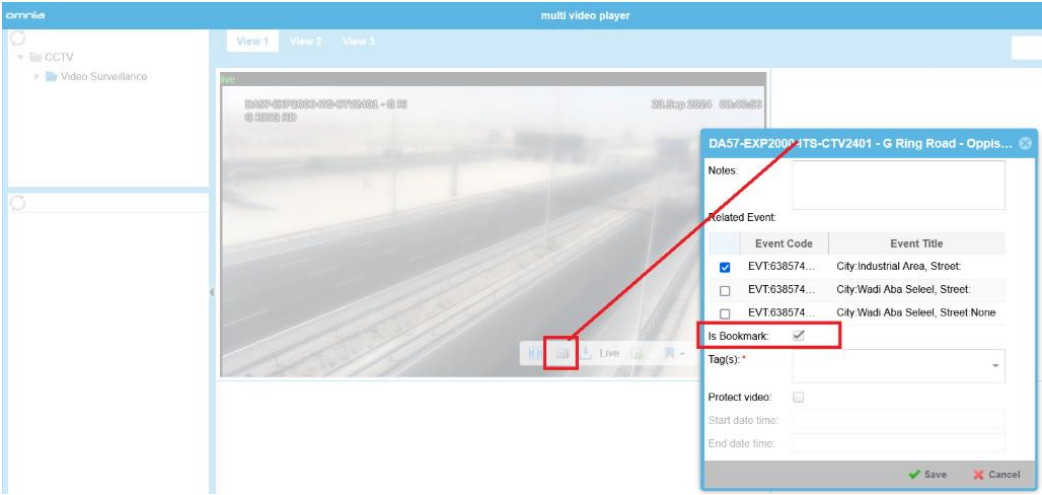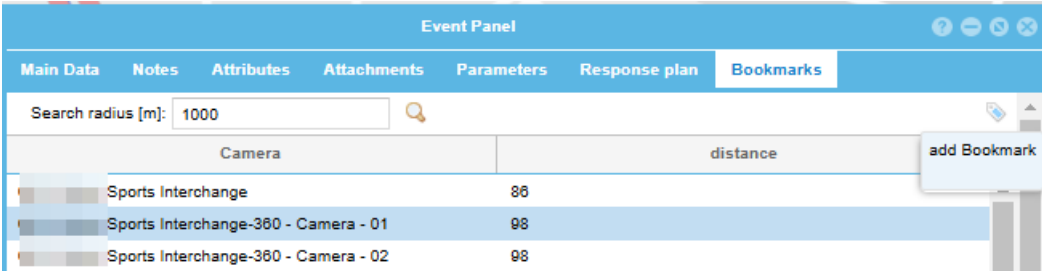
The following are main features relating to Event Management domain:

Domain	Feature
Event Management C1233-3614	Enhancement: (Event Management – Control Panel) - When opening the Multivideopage from the Event Panel to take a bookmark from a selected camera, the system provides automatically the event name that has requested the bookmark, to avoid the operator to search for the event form the dropdown.
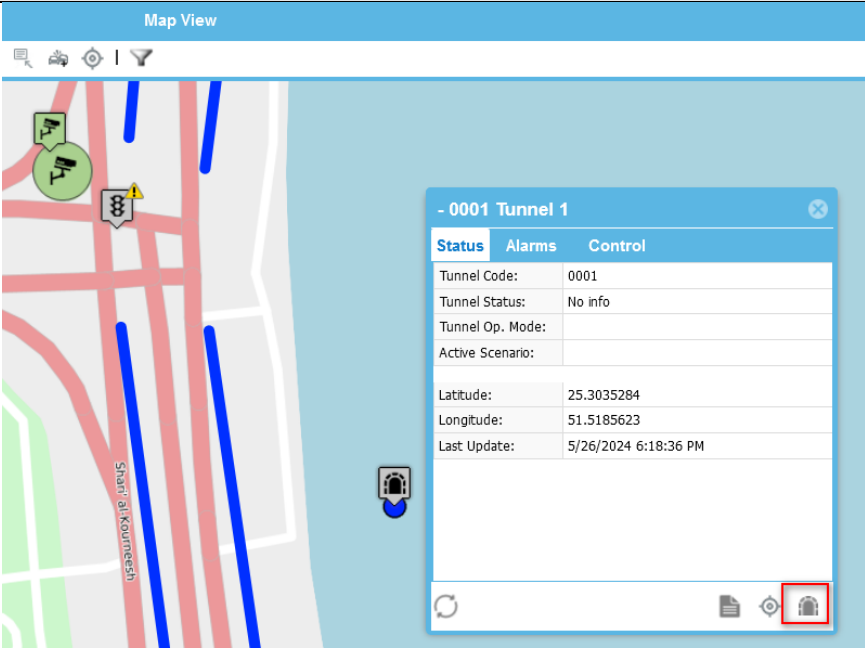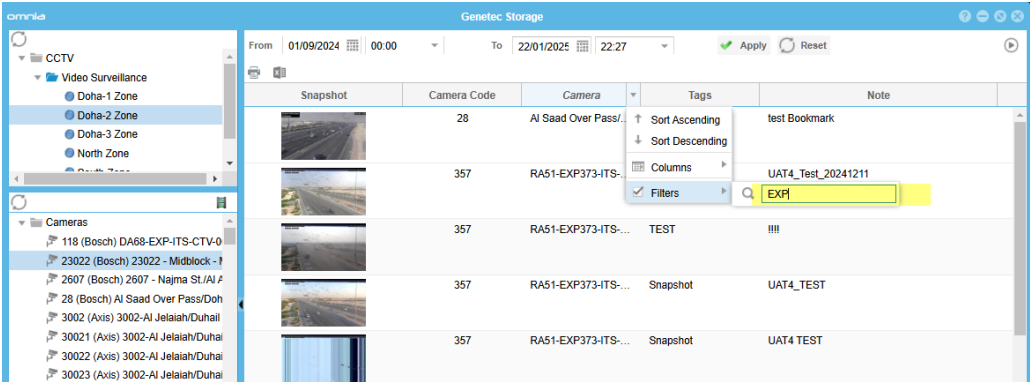
Domain	Feature
Event Management C1233-3267	**Enhancement:** (Map View - Event Escalation) – in Map View, the user with appropriate permission can escalate an event requiring an action from a Supervisor. In the Event Status popup, the Escalation button is active only for users assigned to the event (hidden for the other users).
Event Management C1233-3463	**Enhancement:** (Event Management – Event Report) – This feature allows the operator to download and export the event package for a selected event from the Event Report. The exported package (zip file) includes all the information attached or linked to the event: ▪ All information shown in the Event Panel (word format) ▪ Bookmarks (both bookmark snapshot and video clip starting from the bookmark time for 5 minutes, configurable) ▪ Snapshots The package download (in download centre) or the exporting in excel operation can be triggered: manually by operator automatically by the system, based on event type, subtype and severity

2.1.4 Monitoring
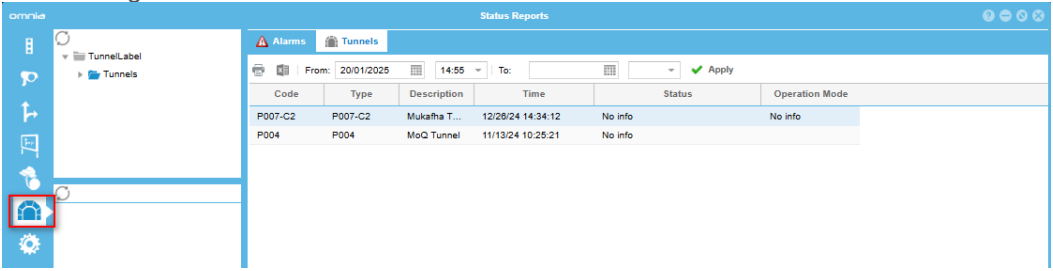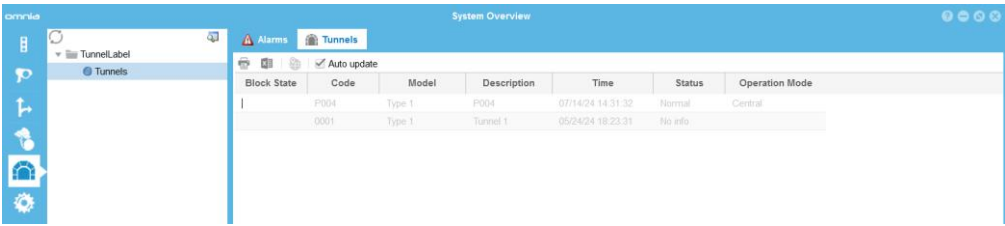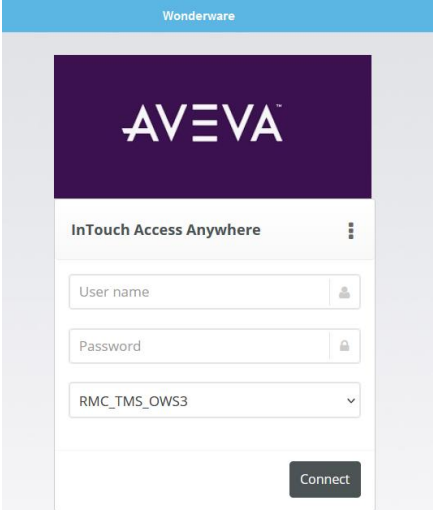
The following are main features relating to Monitoring domain:
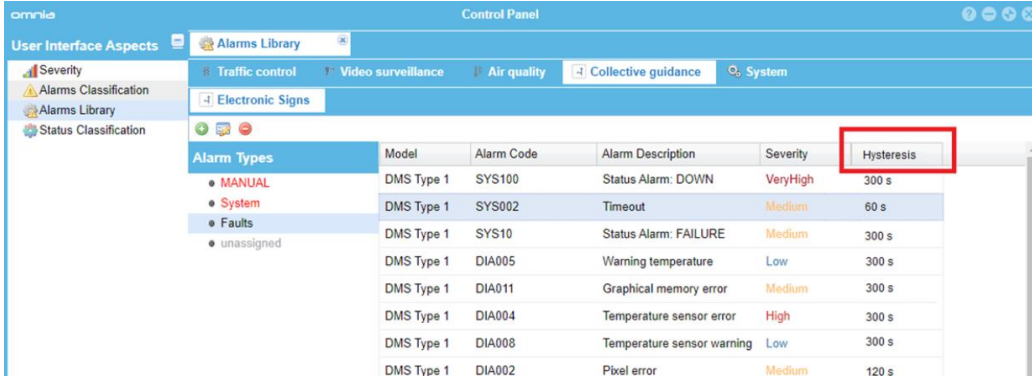
Domain	Feature
Monitoring C1233-2636 C1233-2690	Enhancement: (Video Player – Historical Monitoring) – Genetec VideoPlayer has been improved by adding a new popup (when clicking on the Bookmarks action button) that allows the user to include the snapshot as bookmark during the event management operation. The image will be saved in the bookmark tab in the Event Panel directly for the specified event (if any). The same popup can be opened from the Event Panel directly, by selecting the player from one of the cameras listed in a specific radius of the event position.
Monitoring C1233-3233	Enhancement: (Map View - Tunnel) – In Map View the user can monitor the tunnel asset too. Tunnel layers are displayed and tunnel structure icons are coloured accordingly the diagnostic status, the alarm severity and the operational mode. Zooming in, the user is able to see the travel direction of the tunnel structure, coloured accordingly to the current status and the operational mode.
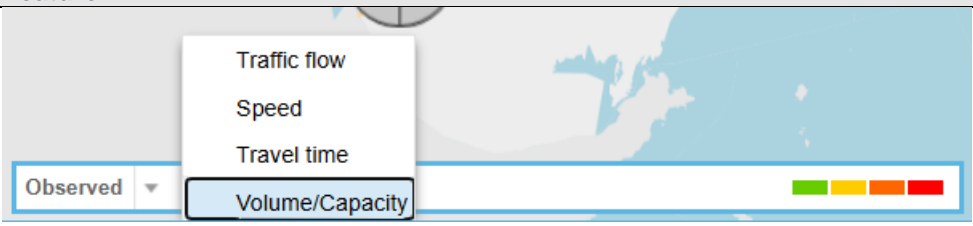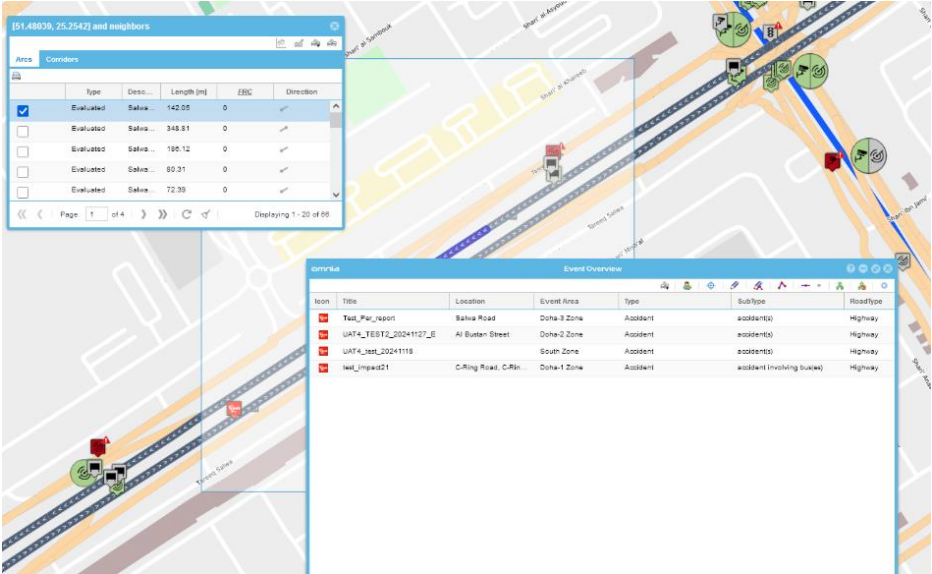
Domain	Feature
	  Information provided by Wonderware software to Omnia are the following: TMS structure diagnostic status TMS structure operational status Travel direction status Alarms Otherwise, from the tunnel status popup it is possible (for the specialized user having proper TMS rights only) to open the TMS application (Wonderware) by clicking the proper icon (for the other user types this icon is hidden).
Monitoring C1233-2945	Enhancement: (Historical Monitoring – CCTV) – Genetec Storage application has been provided with filters and sorting features for all columns in order to facilitate the operator's work. The user can sort video records based on time, date, location, incident and event information and can search video records using different parameters (location, time, date, incidents, events... etc.).

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Domain	Feature
Monitoring C1233-3233	Enhancement: (Status Report -Tunnels) – The user will be able to access to Status Report check the operational and diagnostic status for every tunnel structure, displaying the history of status and relating alarms.
Monitoring C1233-3233	Enhancement: (System Overview - Tunnels) – The user can monitor the new Tunnel ITS asset status and operation status inside System Overview application.
Monitoring C1233-3841	Enhancement: (Tunnels Integration – Wonderware) – In Omnia system has been integrated Wonderware adapter in order to read, for each carriageway of the tunnel from configurable node id, the following information: - status of the tunnel (normal/partial closure/full closure) - tunnel operative mode status (central/isolated) - status of the active scenario - list of alarms of a tunnel from the database (not from the configuration json)

Domain	Feature
Monitoring C1233-3427	Enhancement: (Technical Monitoring – Alarms hysteresis) – System alarms can be displayed to the user only after a configurable time called hysteresis (if the alarm is still valid) in Map View/System Overview. Status Report will continue to display all the alarms. The configuration of this hysteresis parameter can be configured by single alarm type in the Control Panel application.
Monitoring C1233-3426	Enhancement: (Technical Monitoring - Alarm Notification) - The user can be notified with a configurable notification popup when specific alarms are coming from filed devices. Notification popup can be configured in order to contain the following action buttons that will help him to easily manage the alarm situation: ▪ Centre on the map ▪ Open System Overview ▪ Acknowledge alarm
Monitoring C1233-3513	Enhancement: (Traffic Monitoring – Traffic Network) - in Map View tool are provided new layers options and correspondent combination of layers in the traffic network toolbar. First Layer options are the following: ▪ Measured ▪ Observed ▪ Assigned ▪ Predicted Second Layer options are the following: ▪ Congestion level (Current speed/free flow speed ratio) ▪ Anomaly level (Current speed/profile speed ratio) ▪ Volume/capacity (Flow/arc capacity - number of lane of the arc*1800)
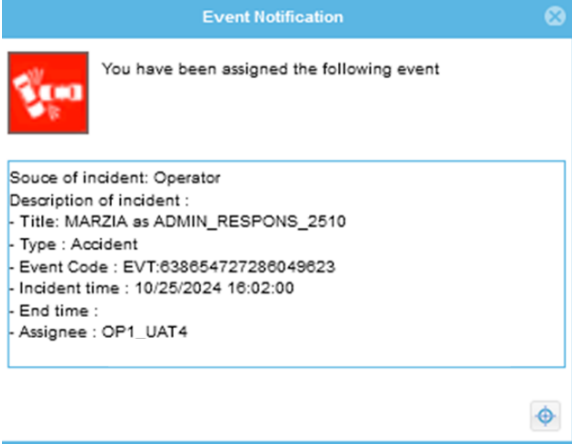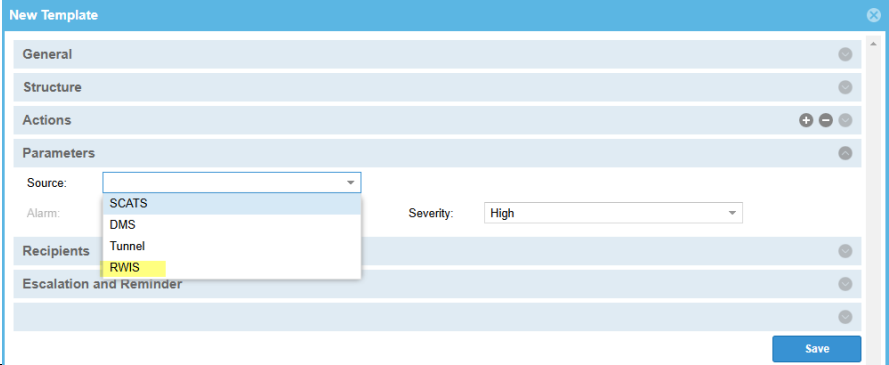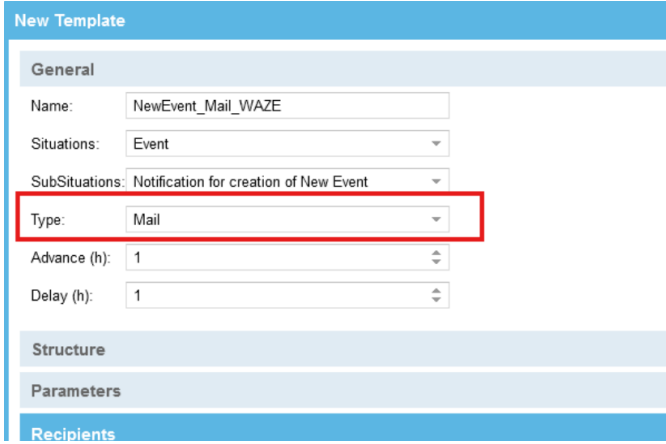
Domain	Feature
Monitoring C1233-3511	Enhancement: (Traffic Monitoring – Closest events) – This feature allows the user to visualize a popup with the list of closest active events in the neighbourhood, by selecting the interactive mode and the reference arc.
Monitoring TCDEV01-193	Enhancement: (Traffic Monitoring – Waze Integration) – New Waze Travel Time measurement Integration for Corridor Monitoring.

2.1.5   Notification Management

The following are main features relating to Notification Management domain:

Domain	Feature
Notification Management C1233-3825 C1233-3840	Enhancement: (Workflow management – Notifications for task/event assignment) – This feature allows the user to be notified by the system when an event with relating workflow has been assigned to him. Moreover, he will be able to: ▪ open the event panel from this notification directly in order to manage the action required ▪ locate the event on the map ▪ close the notification
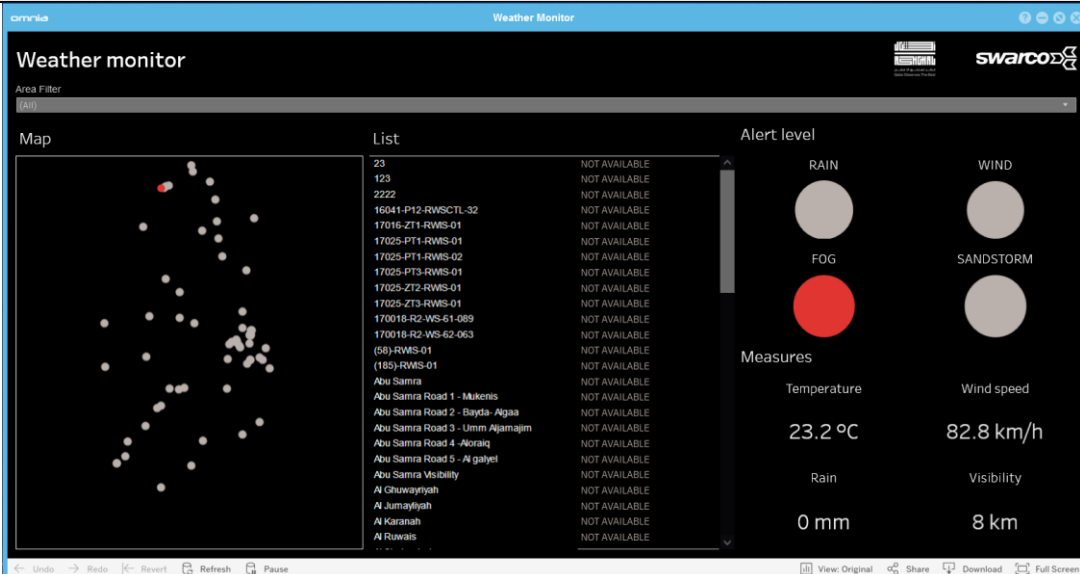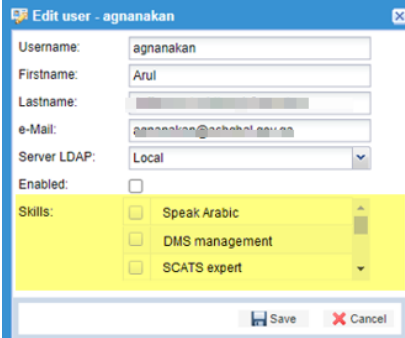
Domain	Feature
	(if notification is properly configured previously)
Notification Management C1233-4011	Enhancement: (Workflow management – Notifications for scheduled message) – In the workflow process, relating to scheduled messages displayed by electronic signs, the user will receive a notification popup when message displayed is going to expire in X minutes. Thresholder values are configurable in the database by Administrator. At the moment are involved only messages scheduled by operator manually or by Electronic Sign Scheduler/DMS Scenarios.
Notification Management C1233-3952 C1233-3531	Enhancement: (Notification Management – RWIS) – A new system notification has been implemented to inform the operator in case a Road Weather Station goes into "No Info" or "Down" status from "Up". The notification configurator template has been extended in order to detect alarms coming from RWIS systems. The user can create and customize a notification template for RWIS alarms to be notified when they are triggered by the system.
Notification Management C1233-3539	Enhancement: (Notification Management – Strategy Manager) - When the Strategy Manager changes Level of Service, a system notification (low priority) is sent to the operators in the area of the corridor and the Strategy Manager application is started when notification is accepted by operator.
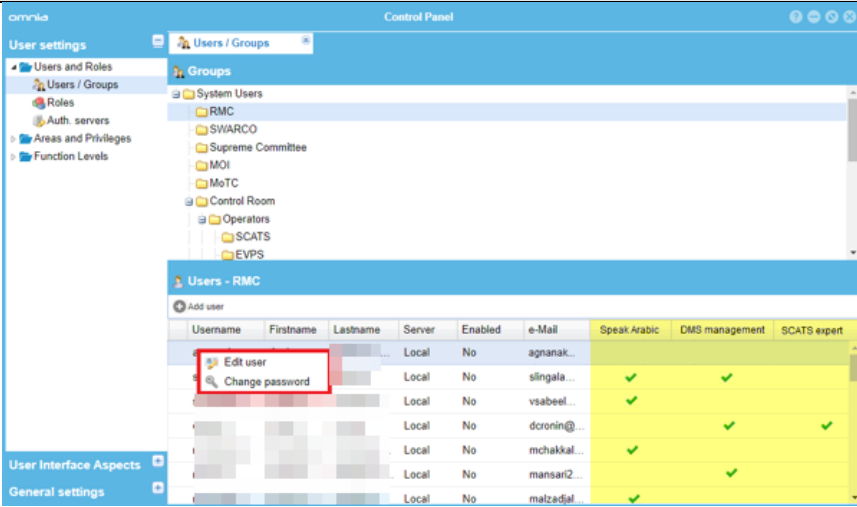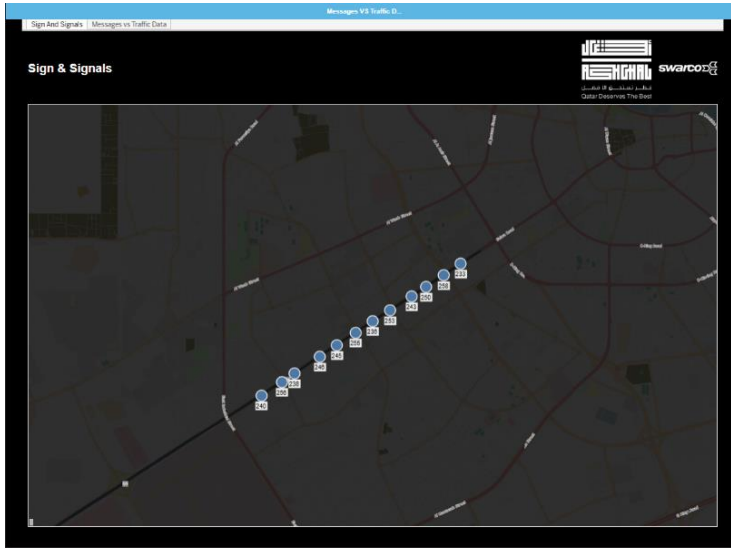
Domain	Feature
Notification Management C1233-3524	Enhancement: (Notification Configurator – email notification) – Notification Configurator has been updated in order to provide the user with the possibility to be notified via email when the notification associated to a specific action is triggered. **New Template** General Name: NewEvent_Mail_WAZE Situations: Event SubSituations: Notification for creation of New Event Type: Mail Advance (h): 1 Delay (h): 1 Structure Parameters Recipients
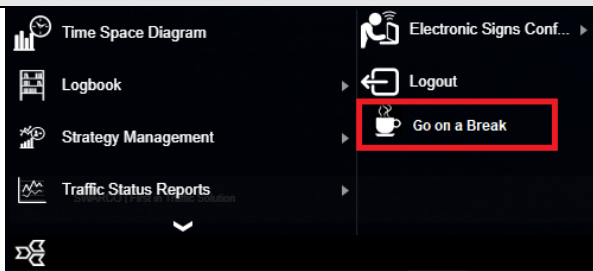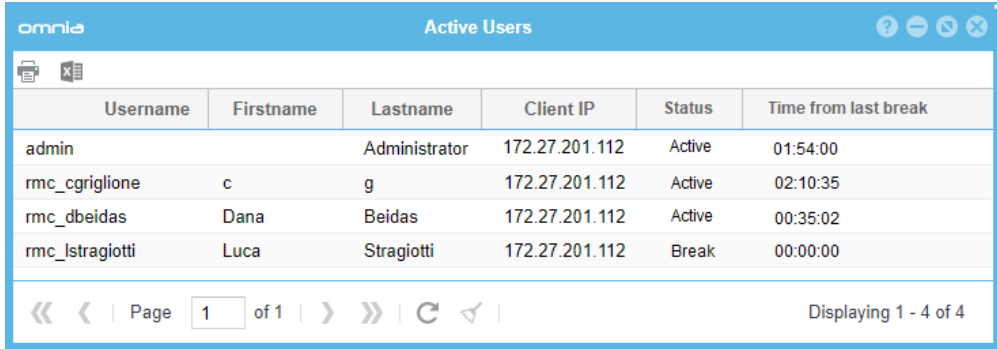
2.1.6   Reporting

The following are main features relating to Reporting domain:

Domain	Feature
Reporting C1233-3424	Enhancement: (Environment Monitoring – Weather Monitor dashboard) – A new dashboard has been implemented for monitoring of the status of the environment stations. The following data can be displayed graphically by Weather Monitor dashboard: ▪ Rain ▪ Wind speed/direction ▪ Fog ▪ Sandstorm ▪ Air Temperature ▪ Visibility ▪ Atmospheric Pressure ▪ Amount of Water ▪ Humidity

Domain	Feature
Reporting C1233-3534	New: (Reporting – Electronic Sign) – the operator is provided with the following new applications to create DMS reports that can be exported in pdf or in excel: ▪ DMS Library Messages Report that allows the operator to report the library messages for the selected DMSs and download all messages, including the images of the preview. ▪ DMS Templates Messages Report that allows the operator to report the layouts for the selected DMSs ▪ DMS Scheduled Messages Report that allows the operator to download all scheduled messages for the selected enabled scenarios.
Reporting C1233-3271	Enhancement: (User Management - Edit User skills) – In the Control Panel application (Users/Group tab), the "Edit User" function allows the user to configure proper user skills, by clicking on the corresponding skill label checkbox in the skill list provided.

Domain	Feature
Reporting C1233-3516	New: (Electronic Signs – Dashboard) – The user is provided with a new dashboard ("Messages VS Traffic D…" - available from the main menu) to monitor the traffic data of selected objects comparing them with the posted messages on LCS or DMS; this helps the operator to analyse the speed or traffic flow against the posted message.
Reporting C1233-3271	Enhancement: (Active User - on duty/active on break) – In the Active Users Report (Logbook-> Active Users) when the user "goes to break", is invited to use this function available in the main function menu: the screen is locked, the system logs the break time (displayed in the proper column) but maintaining the active session ("Active on break").

Domain	Feature
	New information are now provided in the table: ▪ The number of min on shift ▪ Status of each user (Off duty/ Active on duty/ Active on break); ▪ How long each user has been working without a break (for each day, the timer starts at the first login (**)

2.1.7 Strategy Management
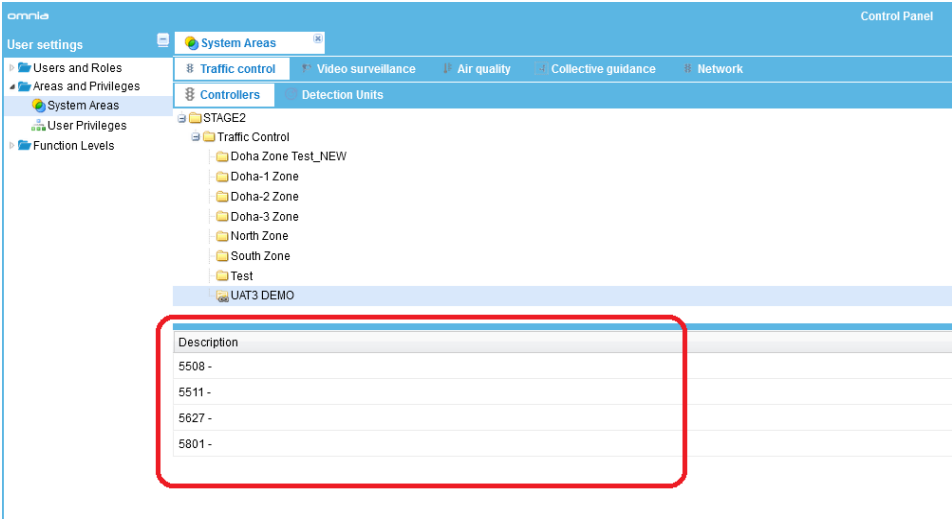
The following are main features relating to Strategy Management domain:

Domain	Feature
Strategy Management C1233-3482 C1233-3472	Enhancement: (Strategy Manager – Strategies Grouping) – This feature provide the operator with the possibility to create/edit/delete multiple levels of strategy grouping (folders) with no limitation on the number of subfolder that the user can create in order to manage them easily.

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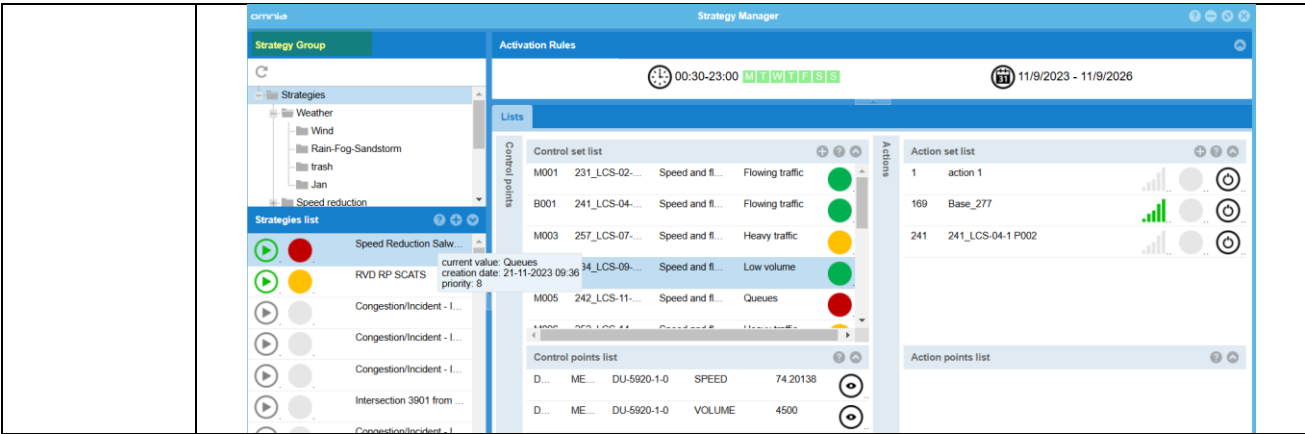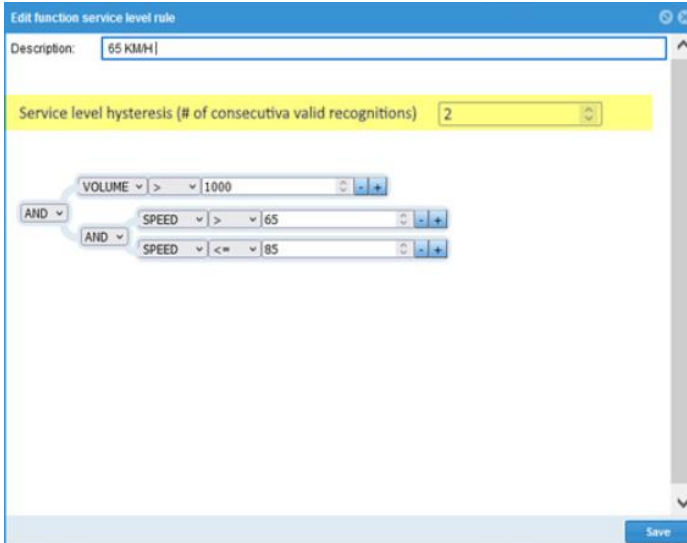
2.1.8 System Configuration
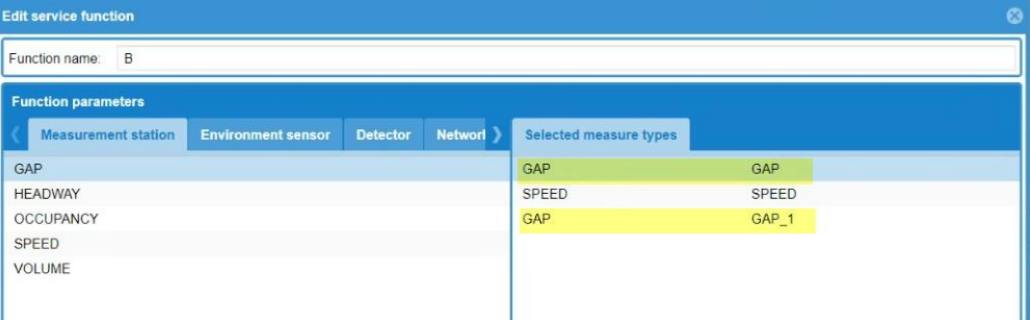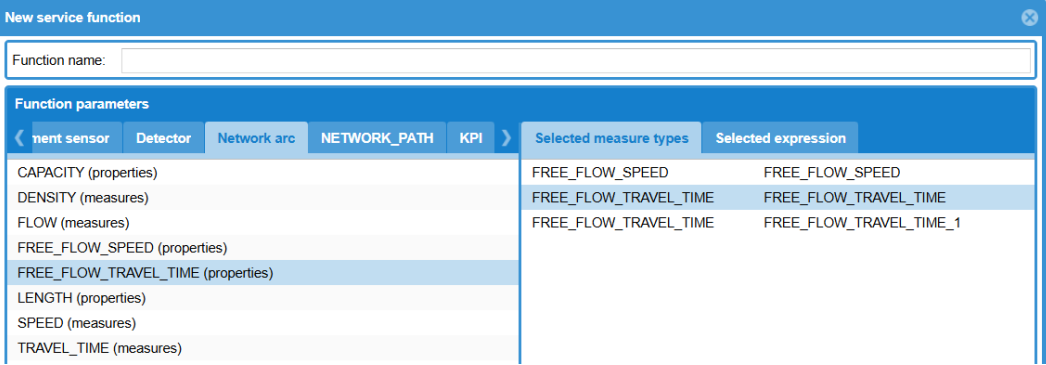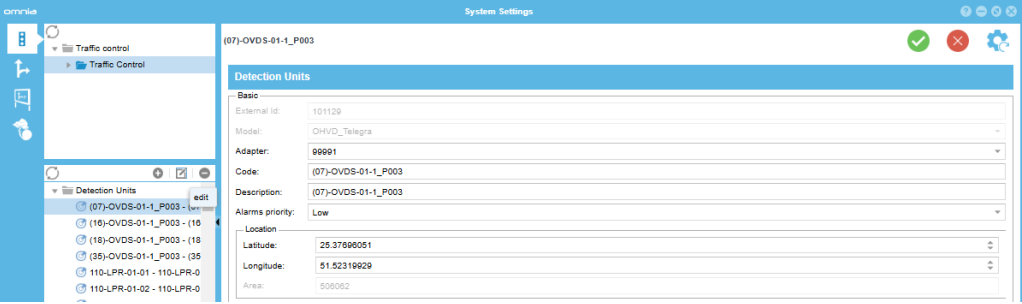
The following are main features relating to System Configuration domain:

Domain	Feature
System Configuration C1233-2095	New: (System Configuration - ITS management) - In the Control Panel application it is possible to define an ITS device/object controller/cameras/DMS/path) belonging to a specific subarea: the list of objects resulting in the selected area can be drugged and dropped in a subarea.
System Configuration C1233-3480	Enhancement: (Service Functions - Function Service Level Rule) – In order to create more complex rules schema, it has been implementing the possibility to use both measures/properties as Service level thresholds parameters in the Function Service Level rule management panel. In particular: It is possible to recall one or more «complex variable» as parameter for the Service level function.
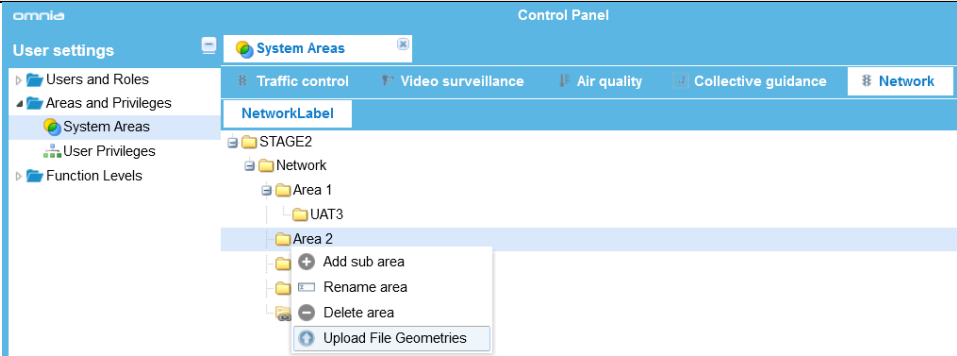
Domain	Feature
	It is possible to recall a measure/properties (static values) and complex variable as benchmark parameter for the Service Level threshold, other than numbers.
System Configuration C1233-3479	Enhancement: (Services Designer– Expression builder) – In the Services Designer Tool the user can combine together different 'selected measure types', implementing complex variables in the Expression Builder panel. User can delete or modify them by right clicking.
System Configuration C1233-3478	Enhancement: (Service Designer - Service Level Hysteresis) - This feature allows the user to configure the "Service Level Hysteresis" that is the number of consecutive recognitions of the same service level before confirming the service level to the control point(s) and the strategy.
System Configuration C1233-3477	Enhancement: (Service Designer – Service Function) – The operator can create alias for any object type measures (Measurement station, Environment Station, Detectors, Network Path, Network arcs...) in order to define multiple times, the same measure for different scope.
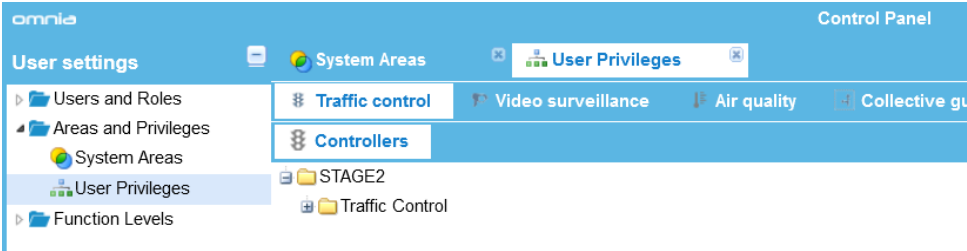
Domain	Feature
System Configuration C1233-3474	Enhancement: (Service Designer – Service Function) - This feature allows the user to use static attributes for objects (e.g. free flow travel time or length or capacity), to be used as parameter in the Services Function Configurator. These measures could be useful to compare data values in some formulas, to define the strategy. At the moment only "Network_Path" and "Network_Arcs" objects are interested by this enhancement.
System Configuration C1233-3468	Enhancement: (Asset configuration – Detection Units) – In System Settings application, the user can now add/edit/delete and configure detection units in the system.
System Configuration C1233-3423	New: (Event Management – System Event Configurator) – It has been implemented a new application to allows the user to manage event type/subtype. He can be able to: ▪ add a new combination of type & subtype

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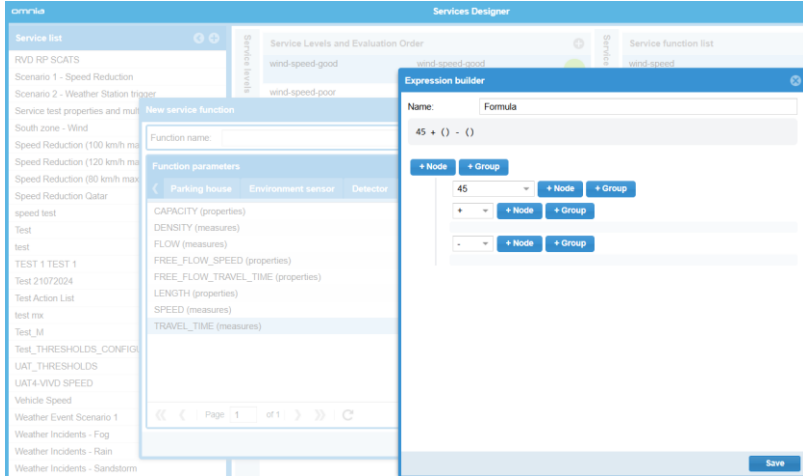| Domain	Feature
	- remove an existing combination (how manage existing or old events detail in the design document) - enable/disable a combination of type and subtype. - edit and modify an existing combination.
System Configuration C1233-3522	Enhancement: (GUI – View Configurator) – the new feature allows the user to configure special and custom layouts of different views of OMNIA, which are starting together on specific position on the screen. Different applications views can be drugged and dropped in a specific portion of the screen. New views can be added and the existent one deleted.
System Configuration C1233-2900	Enhancement: (Control Panel – System Areas Configuration) - in the Control Panel application has been defined a function that allows the administrator/supervisor to define a geographical area by uploading into the system a file.kmx (klm), composed by the list of network arcs belonging to such area that will be reflected on the map, highlighting the corresponding area.

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Domain	Feature

2.1.9 User Management

The following are main features relating to User Management domain:

Domain	Feature
User Management C1233-2095	Enhancement: (User settings - Areas and Privileges) – In the Control Panel application, the user can be configured to access to specific operational areas, providing the access to single devices/asset type defined for them. A user can be assigned to multiple network areas/subareas, also with different roles. The role permissions are correctly reflected when he re-login in the system (as previously). (**)
User Management C1233-2900	Enhancement: (Event Panel - event area/related user linking) - this feature implements the possibility to assign to a geographical area all the network arcs belonging to such area and then assign the operator to the area. In fact, the system can assign automatically the events to the most appropriate operator because it belongs to one of those geographical areas at least. It is possible to assign a user to a network area with one role, and to another area with another role. The system is able to assign the event management (and relating event workflow - if correctly configured) to those specific users.

SMWT1103E22BD
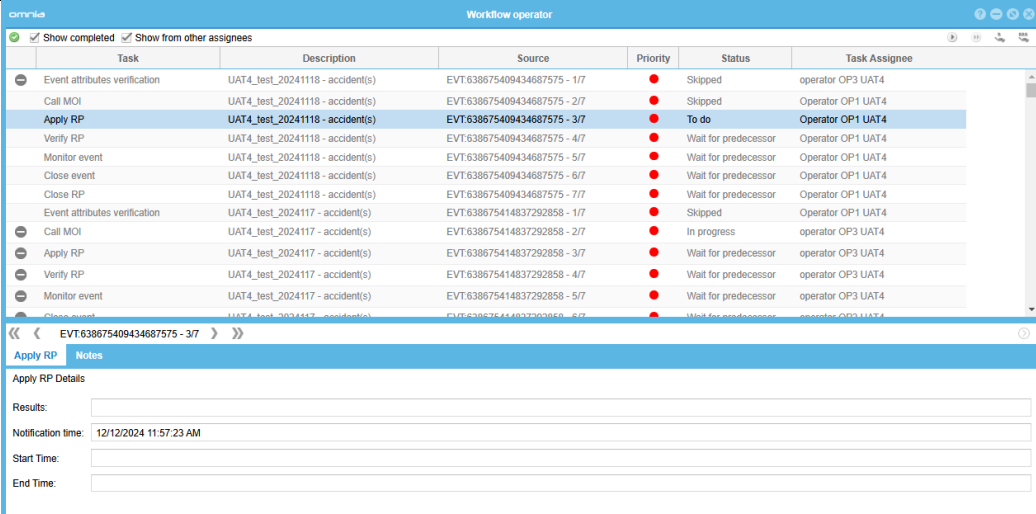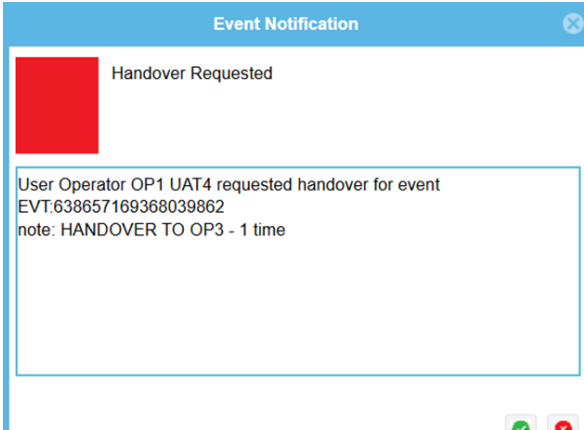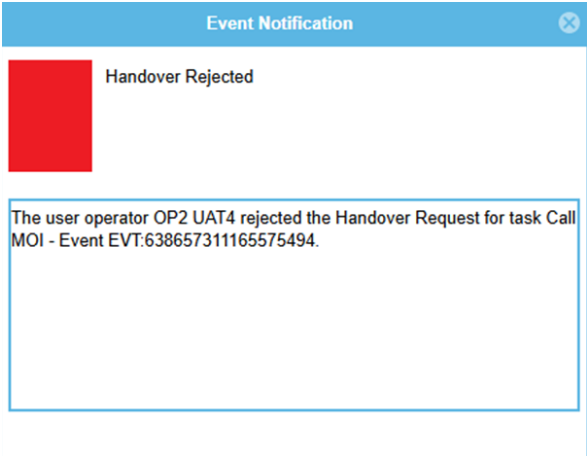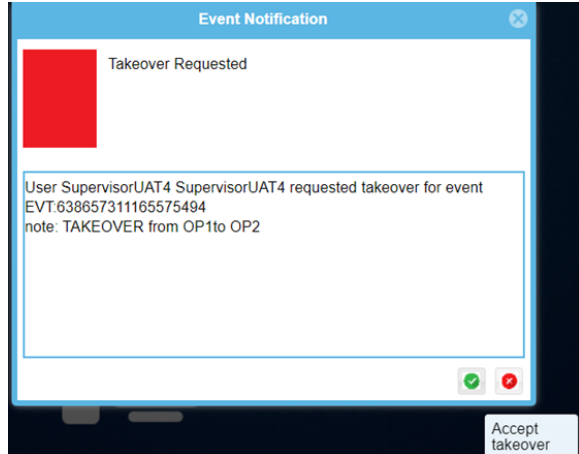
2.1.10 Workflow Management
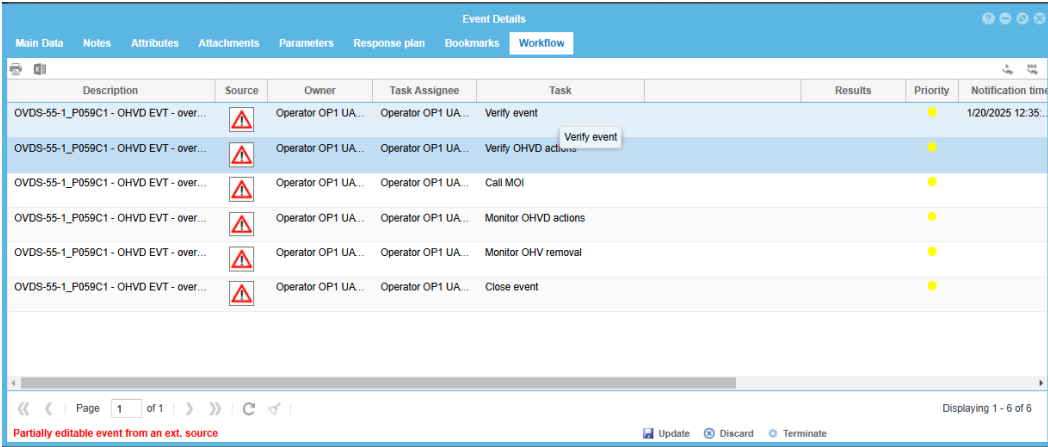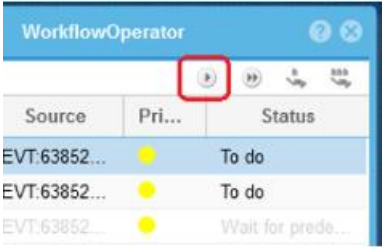
The following are main features relating to Workflow Management domain:
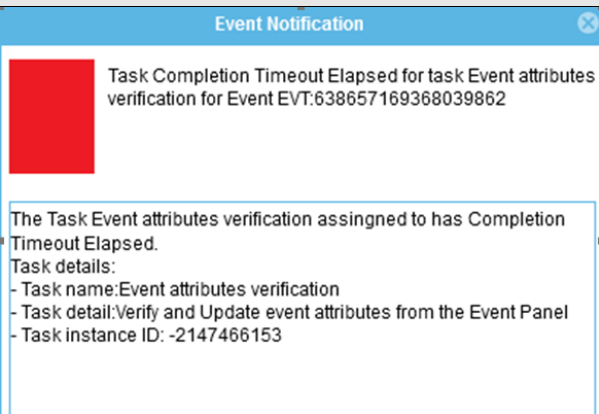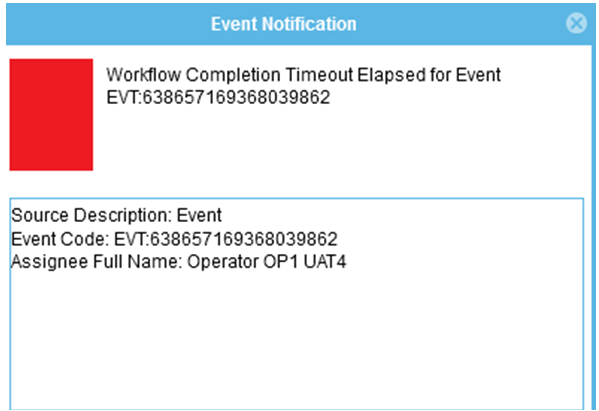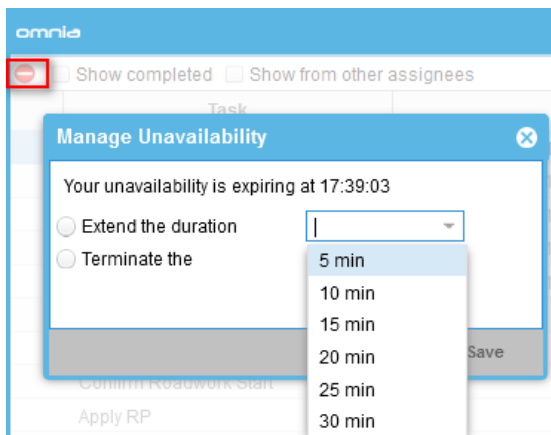
Domain	Feature
Workflow Management C1233-3725 C1233-3850	New: (Workflow management – Workflow Operator) A New tool has been developed for managing the personal tasks workflow; it is a list of tasks ordered by priority, with dependencies between them, that the operator must perform with or without the system. The user will be able to: ▪ visualize the list of assigned tasks ▪ execute proper tasks ▪ access to other Omnia applications via internal links ▪ skip not mandatory task present in the list ▪ provide notes at single task level ▪ provide the result for every mandatory task ▪ handover a task/event to another user ▪ show completed tasks ▪ show tasks from other assignee

Domain	Feature
	  The Supervisor is equipped with a separate similar tool in addition, called "Workflow To do list"; it provides an overview of all task/event assignment into the system and the possibility to perform the task/event takeover too.
Workflow Management C1233-3728	New: (Workflow management – Task/Event handover) In the new workflow management application the operator can: ▪ handover one task to another operator ▪ receive a notification to accept/reject the handover of a task ▪ handover the entire workflow (all tasks) together with the relative event to another operator. The supervisor can: ▪ be informed by a notification about the task/event handover performed by an operator ▪ be informed by a notification about the result of the task/event handover between two operators. ▪ receive a notification to accept/reject the handover of the workflow Here below the following are main features relating to Reporting domain:

Domain	Feature
	Handover is not possible with users "not available".
Workflow Management C1233-3729	New: (Workflow management – Task/Event takeover) - The following feature allows respectively the supervisor and the operator to perform the following: ▪ The Supervisor can take over a task from one operator to another one ▪ The Supervisor can take over the entire event from one operator to other operator, assigning to him all tasks and the event ownership. ▪ The Supervisor can schedule a task takeover in advance (pre-defined moment in time) ▪ The operator can receive a notification to accept/reject the task takeover from a supervisor. ▪ The operator can receive a notification to accept/reject the workflow takeover and event assignment from a supervisor. Takeover is not possible with users "not available".
Workflow Management C1233-3733	New: (Workflow management - event workflow linkage) – In the Event Panel application, a new tab called "Workflow" displays the list of tasks (and related tasks fields) defined for resolving a specific event workflow. The user will be able to: ▪ print or export in excel format the tab content ▪ perform a task /event handover to a different user having proper rights

Domain	Feature
Workflow Management C1233-3730	New: (Workflow management – task action link) – This feature allows the user to quickly access to the correct device applications (TLC → controller panel, CCTV → video player, Lanel Management tool, etc.) by executing the specific task directly from the task list, without perform multiple clicks.
Workflow Management C1233-3734	New: (Workflow management – Workflow and tasks timeouts) – For tasks/events correctly configured with timeout parameters: ▪ The operator can be notified by the system if the task/workflow is overdue ▪ The Supervisor can be notified by the system if the task/event assigned to an operator is overdue.

Domain	Feature
Workflow Management C1233- 3417	New: (Workflow management – "user not available") – This feature allows the user, which wants to declare himself as "temporary not available", to prevent the assignment to him of additional tasks and events in the system; it could be useful in case he is already busy, and the supervisor will be notified about this. The user can also extend or terminate the proper unavailability.

2.1.11 Architectural developments

Domain	Feature
Architectural Developments TCDEV01-213	New: (API development – BT Traffic Data) – It has been developed a new microservice that is exposing a REST API for the management of BT sensors measure (more in general, vehicle tag); this API will: • Publish list of BT sensors configured in OMNIA • Receive BT measure for each BT sensor • Receive BT status for each BT sensor
Architectural Developments TCDEV01-13	New: (API development – BT Traffic Data) —— It has been developed a new microservice that exports Paths list in DatexII format.

3   CHANGE LOG OMNIA 4.3

The following are respectively:
- Features change log
- Fixes Change log
- Known issues Change log

3.1   FEATURE CHANGE LOG

The following table contains the list of features included in Omnia 4.3 version. The string (**) means that the feature has still some known issues described in the 3.33.3.

Story/Epic	Description	Reference key
Epic	Corridors Monitoring: New Waze TTime measurement integration	TCDEV01-193
Epic	Enhancement Control – Electronic Signs	C1233-3740
Epic	Enhancement Incident Management	C1233-3713
Epic	Enhancement Monitoring – Historical Monitoring CCTV	C1233-3760
Epic	Enhancement Monitoring – Technical Monitoring	C1233-3738
Epic	Enhancement Monitoring – Traffic Monitoring	C1233-3747
Epic	Enhancement Monitoring – Tunnels	C1233-3742
Epic	Enhancement Notification Management	C1233-3449
Epic	Enhancement Reporting Dashboard	C1233-3532
Epic	Enhancement Strategy Management	C1233-3719
Epic	Enhancement System Configuration Asset	C1233-3707

Epic	Environment Monitoring	C1233-3422
Epic	Event Management	C1233-3462
Epic	Events and User Management	C1233-3235
Epic	EW Process Management - Workflow	C1233-2894
Epic	Mobile solution: assets monitoring on the map enhancements	TCDEV01-82
Epic	New Reporting - Dashboard	C1233-3739
Epic	New Reporting - Reports	C1233-3765
Epic	New System Configuration - Notification Enhancements	C1233-3712
Epic	Tunnel Management - Monitoring	C1233-3227
Story	API for BT traffic data	TCDEV01-213
Story	Asset Management – DU Configurator implementation	C1233-3468
Story	CCTV panel (multi video player): New bookmark function	C1233-2636
Story	Creating bookmark during the event management is possible from Video Player directly (**)	C1233-2690
Story	Dashboard for DMS - Traffic data Monitoring	C1233-3516
Story	Display alarms after a configurable time	C1233-3427
Story	DMS Control – Change Operation Mode	C1233-3413
Story	DMS Control – Conflict Priority of Manual Messages management	C1233-3415
Story	DMS Control – Reset of a Sign	C1233-3412
Story	DMS Message library Priority	C1233-3592
Story	DMS Template and Message Library Reporting	C1233-3534
Story	Dynamic Content – Conditional Content	C1233-3414
Story	Event Management - Escalation	C1233-3267
Story	Event Management: network areas & user area management	C1233-2900
Story	Event package export to FTP server	C1233-3463
Story	Event panel - Multivideopage integration for bookmark	C1233-3614
Story	Event type and subtype configurator	C1233-3423
Story	Events list close to specific arc	C1233-3511
Story	Gantry interlocks managed from message library	TCDEV01-264
Story	Generate Notification if RWS go in No Info	C1233-3531
Story	Generate notification in case of device alarm	C1233-3426
Story	Genetec Video Storage: Filters and sorting should be added to columns	C1233-2945
Story	Hysteresis implementation associated to Service Level Function	C1233-3478
Story	Implementation of alias creation feature in Service Function	C1233-3477
Story	Implementation of multiples variables in Service Function	C1233-3479
Story	Map View: new data layer option implementation	C1233-3513

Story	Map View: Force Offline feature for Detection unit's implementation	C1233-2960
Story	New API implementation: exporting Paths list in DatexII format.	TCDEV01-13
Story	Notification for user assignment by the system in case of event (general)	C1233-3840
Story	Notification for user assignment by the system in case of workflow event	C1233-3825
Story	Notification management: RWIS to be managed as Source	C1233-3952
Story	NTCIP sing manager: support to modules with different IP	TCDEV01-210
Story	OPCUA Server - Diagnostic separated per module and local mode info available	TCDEV01-351
Story	Open Layer: layer opacity and transparency management	TCDEV01-82
Story	Retrieve data for environment sensor dashboard	C1233-3424
Story	Static Parameters and Profiles inclusion in Service Rule definition	C1233-3480
Story	Static Properties for Service Level implementation	C1233-3474
Story	Strategies grouping implementation	C1233-3482
Story	Strategy Manager - sends notifications on service level changes	C1233-3539
Story	Tunnel Integration Wonderware - Monitoring	C1233-3233
Story	Views Configurator: feature for managing a multiple layouts view including different applications views	C1233-3522
Story	Wonderware integration - new configuration management	C1233-3841
Story	Workflow Management: event panel workflow tab	C1233-3733
Story	Workflow Management: user TodoList	C1233-3725
Story	Workflow manager: action link enhancement	C1233-3730
Story	Workflow Manager: enhance UI/UX of to do list	C1233-3850
Story	Workflow Manager: handover	C1233-3728
Story	Workflow Manager: takeover	C1233-3729
Story	Workflow manager: task and workflow timeout	C1233-3734
Story	Workflow manager: user declare himself as not available	C1233-3417
Story	Electronic Signs: mobile assets associated to a specific vehicle can be displayed on the map	TCDEV01-236

3.2   FIX CHANGE LOG

The following table contains the list of fix included in Omnia 4.3 version:

Issue Type	Summary	Issue key	Affects Version/s
Bug	Alarms are reported with delay	C1233-3278	OMNIA 4.12

Bug	Control Panel: Electronic Signs - User has Admin permissions although he is configured with Base System Monitoring	C1233-3307	OMNIA 4.1; OMNIA 4.2
Bug	Device Control: DMS - (Change Lock Use Request) Notification is not displayed to the user who locked the device	C1233-3161	OMNIA 4.2
Bug	Device Control: Lock Expiry time is not identical to the configured value	C1233-3172	OMNIA 4.2
Bug	Device Control: Lock: Changing the lock time is working only using the arrows and not typing number in the field	C1233-3221	OMNIA 4.2
Bug	Device Control: The Locked by text should be updated and should not show for the user who locked the device	C1233-3158	OMNIA 4.2
Bug	Device Control: TLC Lock - User can send commands to locked TLC when switching tabs	C1233-3185	OMNIA 4.2
Bug	Device Control: Update the layout of Lock pop-up / Extend Lock pop-up	C1233-3154	OMNIA 4.2
Bug	Device Control: User cannot fill justification for lock rejection	C1233-3170	OMNIA 4.2
Bug	Event Overview: Duplicated events are added when clicking Create more than once	C1233-2763	OMNIA 4.1
Bug	Event Overview: User cannot terminate event that was merged via Notification and error displayed in console	C1233-3115	OMNIA 4.2
Bug	Event Panel: Operation Failed error displayed frequently when updating / terminating events	C1233-3141	OMNIA 4.2
Bug	Events - QPRO/ TDP/ WAZE: User should be able to add notes to events	C1233-3059	OMNIA 4.1
Bug	Events Notifications: Notification should be closed when user clicks the merge button	C1233-3113	OMNIA 4.2
Bug	Events Reports: Filter by Assignee will show empty results	C1233-3294	OMNIA 4.1; OMNIA 4.2
Bug	Flux Adapter: Collection of Traffic data (in case of data availability in FLUX)	C1233-3270	OMNIA 4.2
Bug	Genetec Adapter: All Cameras will frequently show (No Image Available) during the user session although Cameras are Up	C1233-2350	OMNIA 3.29; OMNIA 4.1
Bug	Logbook - Active Users: Number of results does not match actual results	C1233-3343	OMNIA 4.2
Bug	Logbook: Active Users - Logged out users should be removed immediately from the list (currently will be removed after 5 min)	C1233-3344	OMNIA 4.2
Bug	Logbook: Active Users - Redundant rows in exported excel file	C1233-3342	OMNIA 4.2
Bug	Map View: Error displayed in device Pop-up when activating history mode (Environment Sensors)	C1233-3128	OMNIA 4.2
Bug	Notification Configuration: Subject value is cleared when changing Notification Type	C1233-3101	OMNIA 4.2
Bug	Notification Configuration: Add Edit and Clone options to the top near to (+, -) buttons	C1233-3093	OMNIA 4.2
Bug	Notification Configuration: Error message should be displayed when trying to upload an existing file name (Icon/ Audio)	C1233-3183	OMNIA 4.2
Bug	Notification Configuration: Field exist but not implemented yet (Recipients configuration by Area)	C1233-3187	OMNIA 4.2

Bug	Notification Configuration: Filtering should be added to the Users and Groups tables	C1233-3182	OMNIA 4.2
Bug	Notification Configuration: Mandatory fields should be marked as mandatory	C1233-3096	OMNIA 4.2
Bug	Notification Configuration: selection box to display the icon together with the name like already available	C1233-3214	OMNIA 4.2
Bug	Notification Configuration: Situation/ Sub Situation should be added for Strategy module	C1233-3097	OMNIA 4.2
Bug	Notification Configurations: When adding new record, user should always be navigated to first step in configuration	C1233-3092	OMNIA 4.2
Bug	Notification Template Configurator: Actions Section - User should be able to select icon from predefined list	C1233-3100	OMNIA 4.2
Bug	Notification Template Configurator: Blank area under Save button to be removed and update the Save button display	C1233-3094	OMNIA 4.2
Bug	Notification Template Configurator: Collapse (Escalation and Reminder) tab will expand previous section	C1233-3091	OMNIA 4.2
Bug	Notification Template Configurator: Upload Icons / Audio UI changes	C1233-3088	OMNIA 4.2
Bug	Notification: Redundant identical notifications are displayed (Lock Expiring Reminder Notification) for the same device / same time	C1233-3169	OMNIA 4.2
Bug	Notifications configuration: Fault management Situation should be added	C1233-3180	OMNIA 4.2
Bug	Offline mode: operator can set device to online although admin set to offline	C1233-3126	OMNIA 4.2
Bug	Offline mode: reasons should be configured and textual update to offline mode status	C1233-3119	OMNIA 4.2
Bug	Offline mode: User cannot set a device to Offline mode again when having the same device set to Offline before	C1233-3120	OMNIA 4.2
Bug	SNAPS: All MDS devices are in No Info	C1233-3137	OMNIA 4.2
Bug	Strategy Manager: User cannot (Manage Configuration) of LCSC and DMS messages are displayed	C1233-3057	OMNIA 4.1

3.3   KNOWN ISSUES CHANGE LOG

Ref.Story	Known problems → (to be fixed asap)	Reference key
Feature	Bookmark creation from Video Storage→Some errors have been met during bookmark saving	C1233-2690 (**)
Feature	Control Panel - Users privileges: Proper user access with segregation areas should be implemented providing the access to single devices / asset type / areas→ necessary to re-test when all devices are available for confirmation (partially tested).	C1233-2095(**)
Feature	Download and FTP export implementation from Status report and System Overview→ problem not fixed yet.	C1233-3541
Feature	Including QPRO/TDP fields in "Attributes" tab in the Event Panel→ still to fix	C1233-3465
Feature	Log all interaction with asset - System Overview and Status Reports→ partially implemented	C1233-3526

Feature	Measurement Extension: detector plausibility tasks→ test not passed	C1233-3409
Feature	New bookmark popup implementation in Video Player→Missing Features - to test again	C1233-2694
Feature	Notification for scheduled message close to expiration time→SW change requested by customer.	C1233-4011
Feature	Tunnel Monitoring - Split alarm and diagnostic tasks→ still to test	C1233-3946
Feature	User Management: activity reporting → function available but some graphical and filtering problems to be fixed	C1233-3271 (**)

Note: (**) it means that the issue is partially available and functioning and is part of the features described in the previous paragraphs.