SWARCO
OMNIA 4.2 Ver.4
RELEASE NOTES

Title: **Releases Notes Omnia 4.2**
Date: 2024-10-11
Version: 4

A publication of: DevOps & Testing

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CONTENT

1 About this document

1.1 Purpose of this document

This document describes the release notes for the following software:

- **Product:** **Omnia**
- **SW Versions:** **4.2**

1.2 Intended Audience

This document is intended to be used for distribution.

1.3 References

Author(s)	Marzia Selmo
Verified	Massimo Lucchi
Distribution List	
File Name	Release Notes Omnia 4.2 v.4

1.4 Versions

Version	Date	Description	Author(s)
01	2024-02-16	First version	Marzia Selmo
04	2024-10-11	QAQC approval	Antonella Barletta

1.5 References

Ref.	Title / Publisher / Url	Version
[1]		
[2]		
[3]		

1.6 Template Version History

Version	Date	Description	Author(s)
01	2017-09-05	First Emission	Valentino Giovanni Massimo Veneziano

2 Software Release Description

The following software releases are described respectively by:

- Releases 4.2 – New Features/Enhancements
  - Omnia Common Function
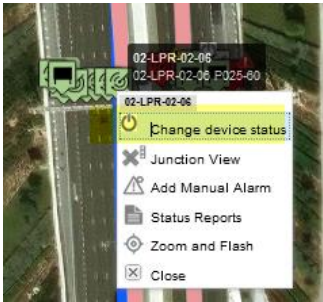 - Omnia Vertical Domains / Application fields
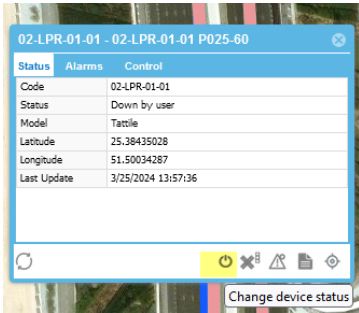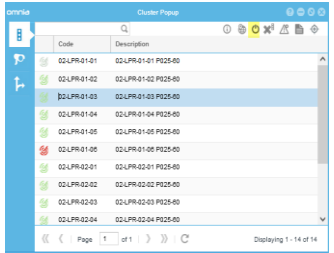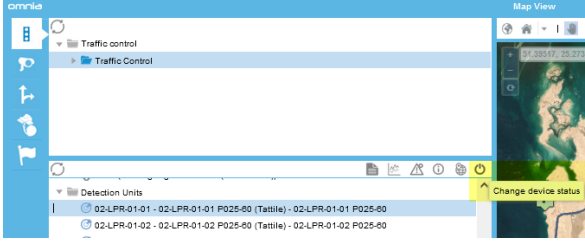 - Administrator/Supervisor functions
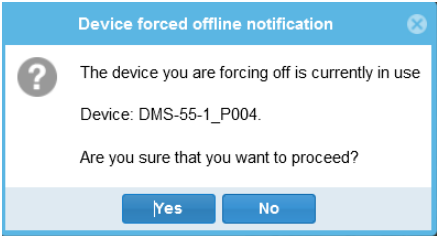- Releases 4.2 – Fixed

3 Release Notes Omnia 4.2

3.1 New Features/Enhancements

The following new or enhanced features are available Omnia release 4.2

3.1.1 Omnia Common Function
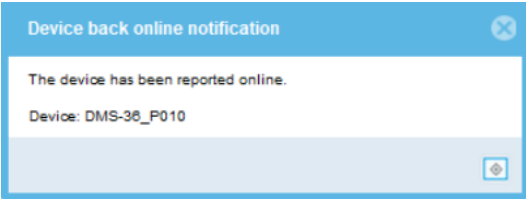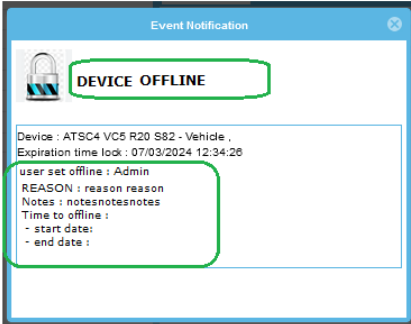
Here below the list of "common" features (new or enhanced) released in Omnia 4.2 version.
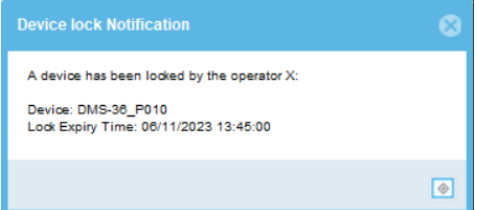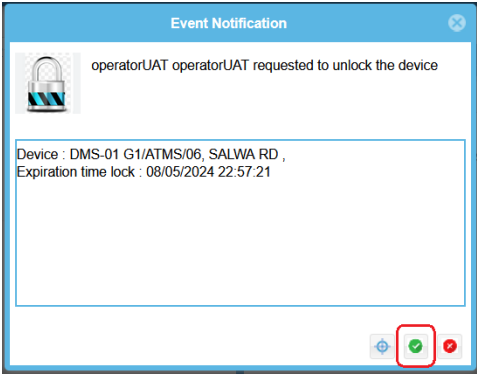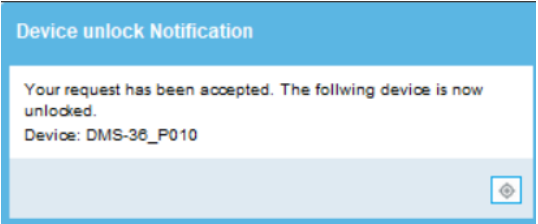
Domain (Common)	Feature
Map View	New: (Change device status – Online/Offline) – In Map View application, the user is provided with the "**Change Device Status**" command for changing device status **(online/offline)**. This is possible for the following devices: **TLC, Detection Units**, and **Electronic Signs**. The command is present, as usual, in the following: - Device status popup - Device icon map context menu - Device object tree toolbar - Map Clusters popup toolbar

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Domain (Common)	Feature
Map View	New: (Force device Offline) – It is possible for a user with appropriate role and permission **to force device status Offline** in Map View application (this is valid for DMS, TLC and DU), by clicking the "Change device status" action button associated at a specific device. A notification popup will ask for confirmation about forcing off a device currently in use: By confirming, it is necessary to proceed by specifying the date/time (from which time the offline status starts), the duration for "offline" status and the reason for which device is put offline. The **reason** can be selected from a list of standard items or by entering free-form text as last resort and reason value will be used for system reporting scope. **This popup is common for DMS, TLC and DU devices**.

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Domain (Common)	Feature
	 The system will confirm the operation with a popup: In map view the device is represented by a new grey icon, reflecting the "Down by User" status; the device status popup will report the new status:
Map View	New: (Bring back device online) - It is possible for a user with appropriate role and permission to **bring back the device status online** in Map View application (this is valid for DMS, TLC and DU), by clicking on "Change device status" action button. The following notification popup comes when the "**Change device status**" button is clicked for a device in the offline status": Please note that the operator can modify the status if the "forced offline" status was decided by an equivalent/lower user in permissions and role; if the device has been forced offline by a Supervisor, the operator is not allowed to bring back the device online.

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Domain (Common)	Feature
	When "bring back online" option is saved, the device comes back online, starting again to receive measures and diagnostic by adapters.
Map View	New: (Extend forced offline period) - It is possible for a user with appropriate role and permission to **extend the device forced offline status period** - for a device already offline - in Map View application**.** In case of extending duration, the expiry time relating to the forced period is changed accordingly in the system.
Map View	New: (Display Impact Area) - The **event impact area** is defined as the area close to an event where the traffic is impacted by the presence of the event itself. The event impact area is calculated for the current traffic situation, forecast +15, +30, +45 and +60 minutes. The operator is able to display the event impact area on request by clicking on a button on the event pop-up. The operator is able to change the displayed event impact area forecast on request, by selecting the forecast from a contextual menu on the map. *[Event pop-up: testCreatedEvent_0103 - Accident; Status / Notes; Name: testCreatedEvent_0103; Code: EVT:638449159175840169; Type: Accident; Subtype: accident involving bus(es); Valid From: 3/1/2024 16:51:00; Valid To: ; Severity: ●; Source: Operator (Administrator); Assignee: operator Xuat; Road name: Salwa Road; Latitude: 25.1303653717041; Longitude: 51.21142578125]* The Event impact bar allows the user to: A. change the radius of search of arcs (1000 m – 4000 m – Radius area) *[Menu: 2000m Radius area; 1000m Radius area; 3000m Radius area; 4000m Radius area; +15 min]* B. make a sort of playback of the impact, changing every 5 seconds the layer changing the step_index parameter, from 15min to 60min. The list of impacted arcs are drawn on the map using a layer on Geoserver
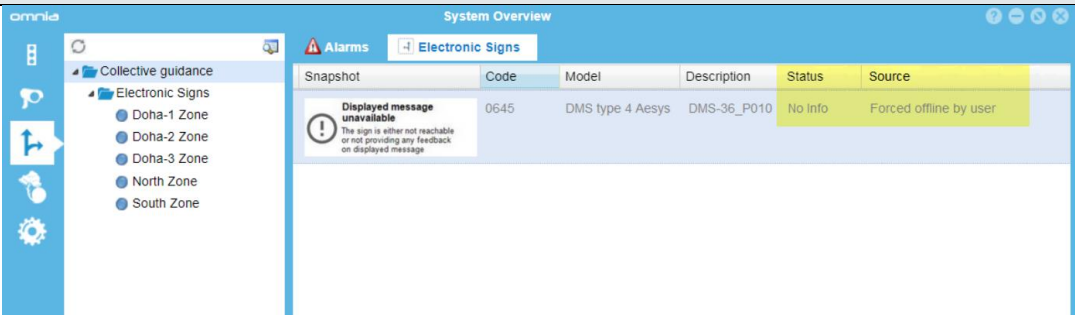
Domain (Common)	Feature
	   ➢ >0.9 GREEN ➢ 0.7 - 0.9 YELLOW ➢ 0.5 – 0.7 AMBER ➢ <0.5 RED Events come from QPRO and WAZE external systems ,from AID cameras/algorithm to RMC-SS system or by the operator directly, providing geographic and areas information (affected corridor arcs).
Notification	New: (Notification when device comes back online) - The user is notified with a popup when a **device** that before was offline, **comes back online**; the system will notify all the users in the recipient list (properly configured in the Notification Configurator application) about the new status of the device.
Notification	New: (Notification for device forced offline) - All users (properly configured in the notification recipient list configuration) will be informed when a **device is forced offline** for several reasons. In the notification are specified the following: - The operator identity, responsible for the forcing offline operation - The device identification code - Expiring time for "forced offline" status - Operation reasons

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Domain (Common)	Feature
	Popup can be configured (in Notification Configurator tool) in order to easily locate on the map using the proper action button.
Notification	New: (General) - **Any Notification or change in the notification status** is logged and stored into the DB. Historical data are used to reproduce Performance Report and Notification Report. Stored notifications are linked to the operator performed the action (consequently change in the status), the template, the type and subtype and any other fields reported into Notification template. Escalation, Reminder and Acknowledgment are included. Every logged data refers to a specific Timestamp.
Notification	New: (Lock notification) - Every user properly configured in the notification template recipients list, is notified when a system device (TLC-Electronic Signs) has been locked by the specific user.
Notification	New: (Electronic Sign/TLC unlock notifications) – In case the **user who is trying to unlock the device is different from who locked it previously**, but has the same role ad permissions→a notification is received by the user who is locking the device at that moment, asking for permission to unlock the device. The user owner of the lock can reject or accept (by clicking the red or the green buttons) the request to unlock, and the following notification are displayed to the request sender: → This is the notification received by the owner of the lock: he accepts to unlock the device. / The device is unlocked, and the asking user informed with this accepting notification

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Domain (Common)	Feature
	→
	This is the notification received by the owner of the lock: he rejects to unlock the device. / The device is not unlocked, and the asking user informed with this rejecting notification
	In this case the next popup will ask to enter the rejection reasons:
	The notification popup received by the user owner of the lock includes a link that allows to center on the map the device affected by the request.
Notification	New:
	(Duplicated events are found) - In particular cases, a notification popup can be configured in Notification Configurator application to inform the user when **possible duplicated events are found** in the system, in a radius of about 1 km.
	From the Notification popup, the user will be able to read event details text description and code, open Merge panel and locate events on the map.

Domain (Common)	Feature

Notification	New:
	
	(Notification Priority) – From this software release, notification have a priority; according to the **notification priority**, the corresponding behaviour of notification is different.
	
	A balloon remains in the Notification Widget panel if priority is low.
	
	Depending on the priority, the popup can be minimized, closed or the User must do an action (High priority):
	
	   • **Low priority** notification includes basic information and can be closed by the user.
	   • **Medium priority** notification identifies task or action to perform, but not critical; can be iconized and doesn't freeze the screen; the user can perform actions.
	   • **High priority** notification identifies task or action mandatory; Notification cannot be closed or reduced and the screen will be freeze until the user perform the action
	
	The "Name" of the notification must be unique; when saving the notification, if a duplicate NAME is entered, saving must be blocked with the message: "NAME exists, change NAME to proceed with saving the Template."

Notification	New:
	(Event notification popup) - The **Event notification popup** is displayed in the middle of the screen to notify the user about:
	   • New Events: Omnia user can be notified when an event is created (if the corresponding template is created into the system and is properly configured in Notification Configurator application).
	
	   • Updated Planned Events: it is possible – for the operator – to receive a notification when the Event's planned "end time" is expired but the event persists opened:
	
	Note that when **scheduled events expired**, but result still opened, a notification is sent to the user and the event icon on the map is updated: the hourglass icon colour changes from blue to red. For Planned events that are in the future, a blue hourglass is displayed.
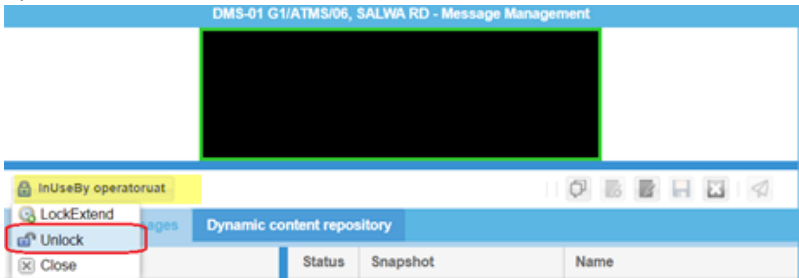
Domain (Common)	Feature
	  ▪ Updated Standards Events: Omnia user can be notified when an event is updated (if the corresponding template is created into the system and is properly configured in Notification Configurator application). Event Notification includes the following information: - Event area - Event code - Source of the event - Event description - Event details - Incident Time - End time - Additional Information ▪ The event can be zoomed on the map using proper action button. ▪ Event details can be opened in the Event Panel using proper action button.
System Overview – Map View – Status Report	New: (Status="NO INFO" +Source field) - The field "Source" in System Overview, Map View and Status Report applications specifies the reason for the status **"NO INFO" (i.e Forced offline by user).**
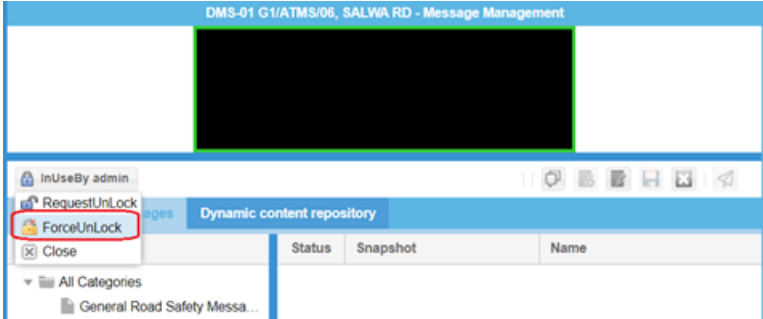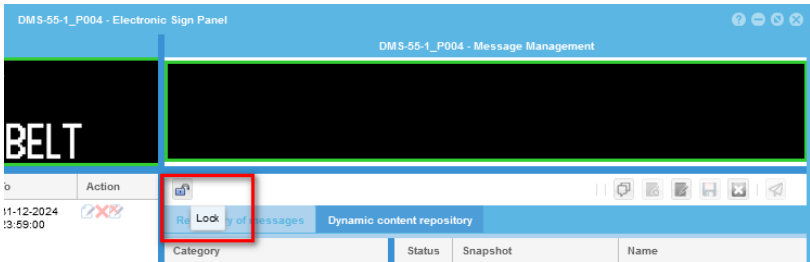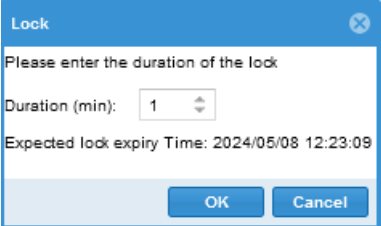
Domain (Common)	Feature
	This status is reflected in the system with a complete stop of the communication between Omnia and the device: measures/diagnostic are not received during this status duration. On the map, the corresponding device icon is grey (like "No Info Status") + little icon to indicate is forced offline by the user.
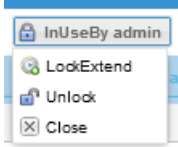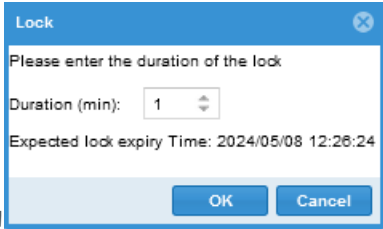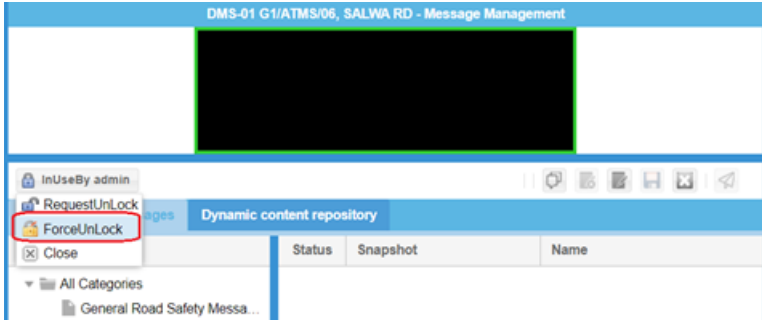
3.1.2 Omnia Vertical Domains/Application fields
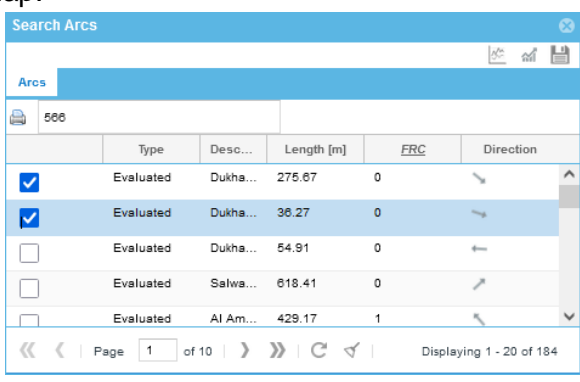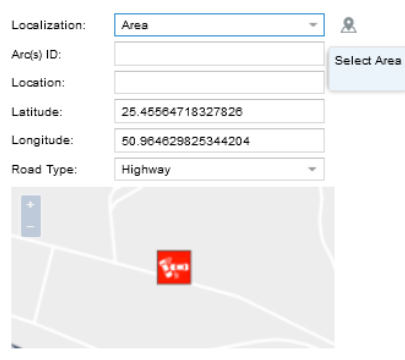
For a better comprehension have been defined "vertical domains" *(Collective Guidance, TLC, Video Surveillance, Environment Monitoring, etc…)* and other application domains *(Traffic Management, Event Management, Data Collection and Monitoring, Traffic Monitoring, Strategy Development, Emergency management, Faults Management, etc…)* that allow the reader to customize the personal use of this document.
Here below the list of features (new or enhanced) released in Omnia 4.2 version, ordered by domains, which can be included or not in the proper customized system solution.

Domain	Feature
Collective Guidance – Traffic Light Controller	New: (Electronic Sign unlock) - The user can "**Unlock**" the device that has been previously locked, by clicking on the lock button in the Electronic Sign Panel toolbar (labelled with the lock owner operator's name): The system behaviour is different in the following cases:

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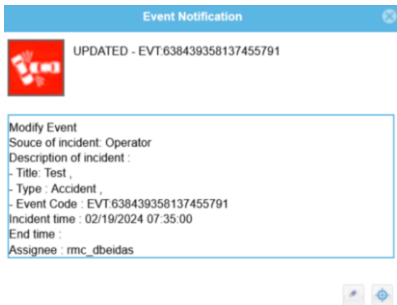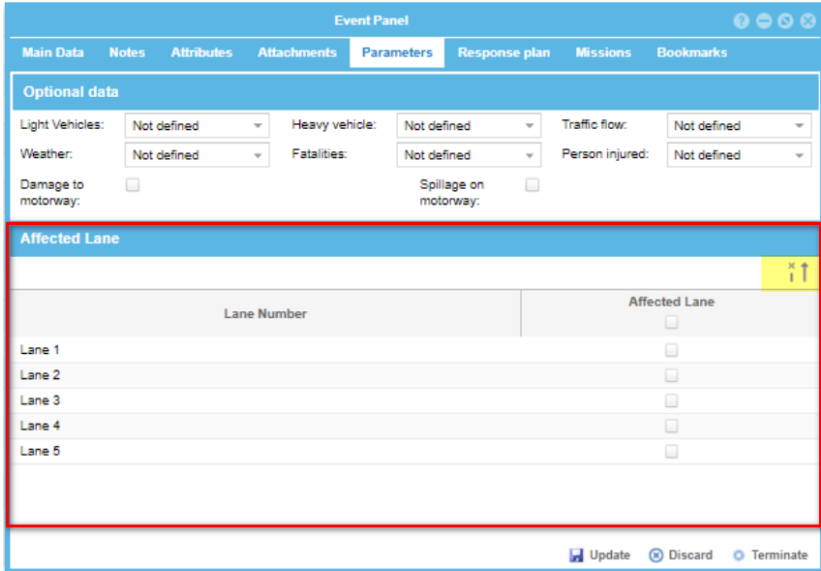
Domain	Feature
	1) The user who is trying to unlock the device is the same who locked it previously → in this case, by choosing "Unlock" context menu option, the device is immediately unlocked. 2) The user who is trying to unlock the device is different from who locked it previously but has the same role ad permissions →a notification is received by the user who is locking the device at that moment, asking for permission to unlock the device. →At this point, the user owner of the lock can reject or accept the request to unlock and the user asking the unlock operation is notified about the answer and the device lock status will change accordingly. 3) The user who is trying to unlock the device is different from who locked it previously, and he is Administrator/Supervisor →a popup is displayed providing the „**force unlocking**"option (see next feature description): If the Supervisor/Administrator selects this option, the device is unlocked, and the operator owner of the lock is notified that a Supervisor has forced the unlocking of the device.
Collective Guidance – Traffic Light Controller	New: (Electronic Sign lock) - User can **lock an Electronic Sign** for exclusive access from Electronic Sign Panel application, by clicking on padlock action button: A popup is displayed to Enter the duration of the lock:

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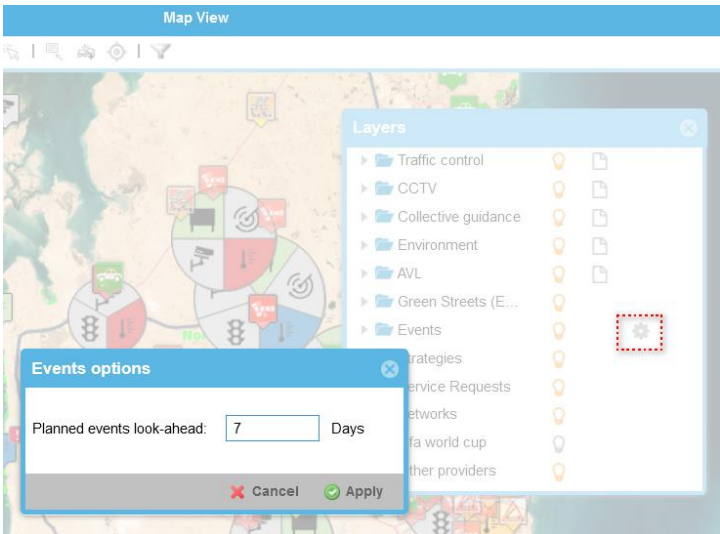
Domain	Feature
	After the duration period the lock expires automatically if not extended.
Collective Guidance – Traffic Light Controller	New: (Electronic Sign extend lock period) - It possible (for the lock owner only) to **extend the locking** period from Electronic Sign Panel application, by clicking on padlock image that is displaying the name of the lock's owner: The system provides the following popup to specify extension period parameters and After the duration period the lock expires automatically
Collective Guidance – Traffic Light Controller	New: (Electronic Sign - Forcing unlock) – Administrator/Supervisor only can **forcing device unlock,** by clicking on the lock action button available in the Electronic Sign Panel. By selecting this option, the device is unlocked and the operator owner of the lock is notified that a Supervisor has forced the unlocking of the device.
Event Management	Enhancement: (Event Panel - Event localization field) – In the Event Panel, already existing **"localization" field** user experience have been improved, relating the **first two options: "On Arcs"** and **"At Geographical coordinates".**

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Domain	Feature
	When the "Select road" button is clicked, the application displays a popup that provides the arcs list (plus a search field) that allow the user to select multiple arcs to better define the event position on the map. The zoom level is limited to the highest 3 ones, the list of arcs affected is displayed to the operator for review and the event panel is moved to the top right corner, in order to allow operator to see the map. When selecting/unselecting the arcs from the list, the highlighted arcs are displayed on the map. When arc selection is confirmed in the popup (by clicking on "save button"), the tile of the map displays exactly the geographical location. Event's coordinates are displayed in the form and the user is able to change them from map only, moving the event icon in the specific position.
Event Management	New: (Event Panel - Event localization field) – In the Event Panel, has been added a third **option that allows the user to create graphically the area** to associate to the event: The map opens in "edit mode" and the user can choose different pre-defined area (Regular Shape, Draw Polygon, Draw Circle).

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Domain	Feature

	The user can edit area for all events except those generated by QPRO and WAZE.
	
	The user can:
	
	    o resize the area
	
	    o change the area type
	
	    o recreate the area
	
	    o change the Localization type (from "on an area" to "on an arc" or "on coordinates")

Event Management	Enhancement: (Insert Merge Events) - The **Event Overview** application has been improved adding the **event properties merging panel**. The user that is monitoring the Events status can merge two events of the same type to manage more easily only one event represented by the events selected. Selecting from the Event Overview panel the records corresponding to the events to merge (it is mandatory that events belongs to the same type) and clicking on "Merge Event" button → the Merge Events panel opens and allows the user to compare and select which event's property to be merged from Event A and Event B and save the resulting event.

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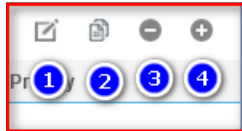
Domain	Feature

The new event is created and located on the map; the single events existing before the merge operation disappear from the "Event Overview" list; they are displayed in Event Report application as "cancelled".

Resulting merged event is notified into the system like below; has the properties selected by the user during the merge and can be displayed in Event Overview application.

Please note that NO external events (generate dby the system) can be merged.

Domain	Feature
Event Management	New: (Event Panel – event assegnee updating) – When the event assignee is updated in the Event Panel application, a proper notification popup is displayed.

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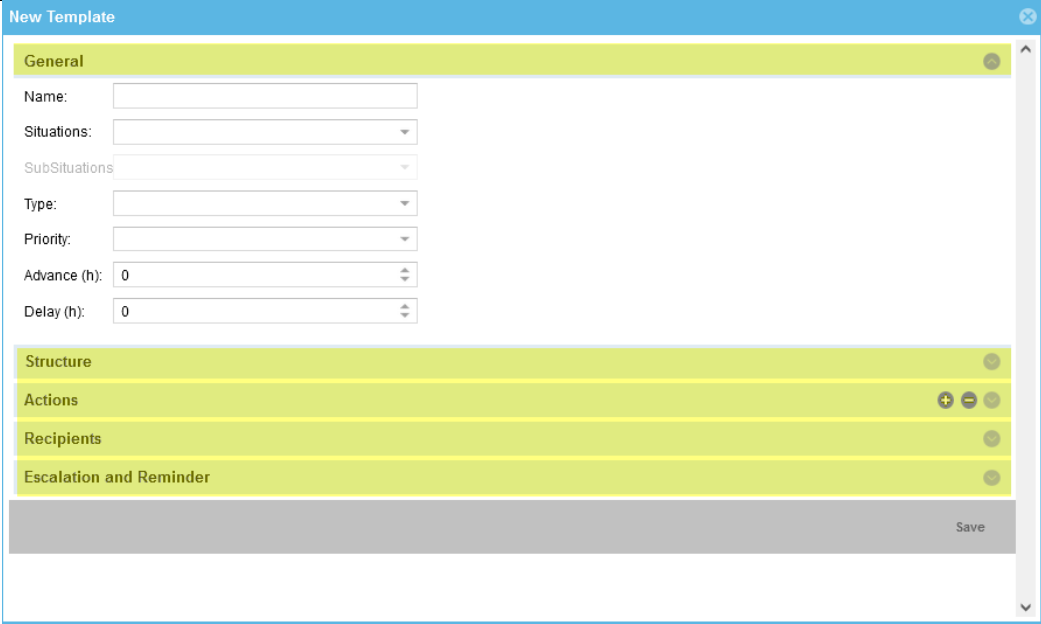
Domain	Feature
Event Management	Enhancement: (Event Panel – Parameter tab) - In the **Event Panel, the Parameters tab** has been restyled in order to allow the user to easily **access to Incident management tool** and manage properly the lanes involved in the incident. The "**Affected Lane**" section has been provided with the "Incident Management Tool" action button that open the corresponding application and the lanes check list.
Event Management	New: The operator will be able to **configure the look-ahead period for Planned events in Map View** application. By clicking on the ⚙ icon beside to Events folder the user can enter how many days in the future he wants to see the events on the map.
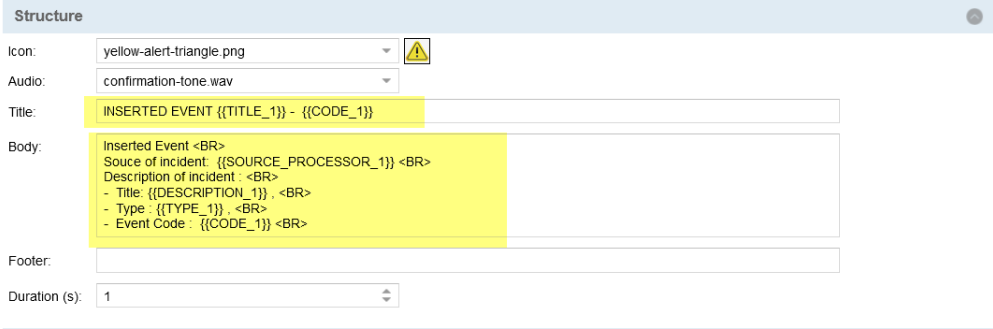
Domain	Feature

3.1.3 Administrator/Supervisor Functions
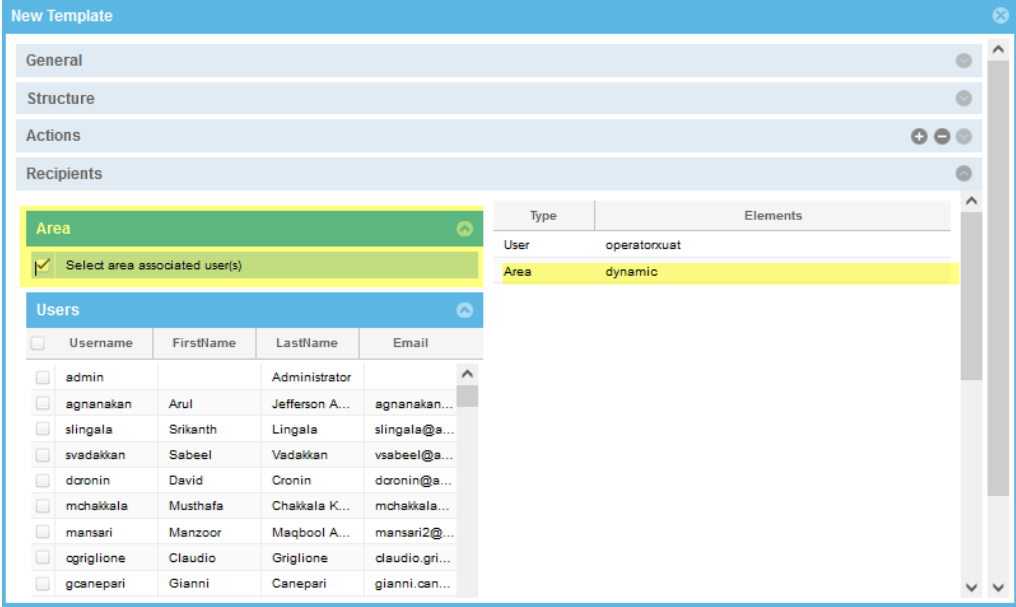
Feature related to Administrator user only that have been released in this Omnia 4.2 version.
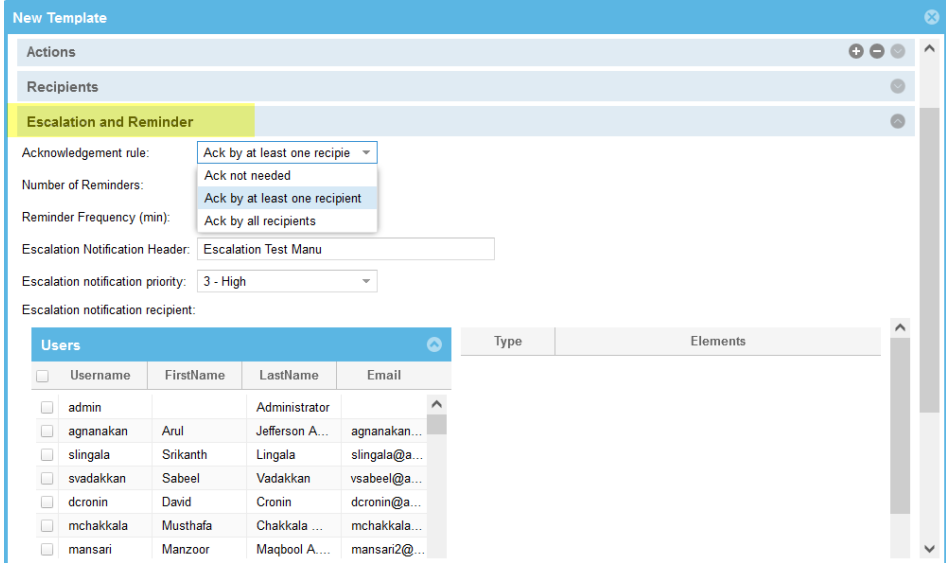
Domain	Feature
Notification Configurator	New: (New application) – The new **Notification Configurator application** – available in the main menu - provides the possibility to configure customized notifications for different types of situations and sub situations. Starting from a generic notification template, it can be customized in terms of structure, rules, priority, actions required, recipients, etc... Notification Configurator main panel displays data related to all notification templates available into the system. Information in Notification Configurator is presented in a grid form. **Notification Configurator** application provides the user with the following features: 1) **Edit** Template 2) **Clone** Template 3) **Delete** Template 4) **Add** new template Each record represents a notification template that is composed by the following sections:

Domain	Feature
	Stored data (i.e user identity + timestamp) will be used to feed "Notification report" and "Performance Reports" to measure performance of the operators and notification process (time between start-acknowledgment, change of status and others).
Notification Configurator	New: (New application) – For the user that is configuring a new system notification with Notification Configurator tool, in the „**General**" section the user can configure the following notification parameters: ▪ Name ▪ Situations (Event/Device Control/Fault Monitoring Module/Strategy Module…) ▪ Sub Situations (New Event/Planned Events/Change Assignee/…) ▪ Type (GUI/Mail/SMS) ▪ Priority (Low/Medium/High) A couple of optional parameters are used in special cases: ▪ Advance (hours) ▪ Delay (hours) They can be used in the case of a planned event (i.e. work on the road), to notify the operators time before the event starts (for example 2 days before) to allow them to prepare what the event needs; another notification can be sent to notify the possible **delay** after the expected end of the event (for example one day), to allow the operator to check if that event is really over or is still there on the street.
Notification Configurator	New: (New application) – For the user that is configuring a new system notification with Notification Configurator tool, in the „**Structure**" section it is possible to configure the following notification parameters:

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Domain	Feature
	▪ Icon (png) ▪ Audio (Wav) ▪ Title(parametric/HTML) ▪ Body (parametric/HTML; refer to Administrator for specific document containing syntax rules) ▪ Footer ▪ Duration(s) **Structure** Icon: yellow-alert-triangle.png ⚠ Audio: confirmation-tone.wav Title: INSERTED EVENT {{TITLE_1}} - {{CODE_1}} Body: Inserted Event
 Souce of incident: {{SOURCE_PROCESSOR_1}}
 Description of incident :
 - Title: {{DESCRIPTION_1}} ,
 - Type : {{TYPE_1}} ,
 - Event Code : {{CODE_1}}
 Footer: Duration (s): 1
Notification Configurator	New: (New application) – For the user that is configuring a new system notification with Notification Configurator tool, in the "**Action"** section, the user can configure the "Action Name" field, choosing between some options (i.e. Insert the action button to open Events details, Insert the action button to Center Event on the map, etc…) After selecting the specific action, remaining form fields (Description, URL, Icon) are automatically populated accordingly

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Domain	Feature

Up to 3 actions maximum can be added for 1 notification; "+/-" buttons in the accordion toolbar, allows the user to add/remove action records.

| Notification Configurator | New: |
| | (New application) – For the user that is configuring a new system notification, in the **Notification Configurator – Recipient section** - has been added the possibility to select |

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Domain	Feature
	the users associated to the operational Area interested by notification, by checking a simple flag in the Users list. Single Users and Groups can be added to the notification Recipients 'list in the same way.
Notification Configurator	New: (New application) – For the user that is configuring a new system notification, in the **Notification Configurator – Escalation and Reminder section**, the user is able to specify the following: - acknowledge rules (ack by all recipients/ack not needed/ack by at least 1 recipient) - Number of reminders (1-10)** - Reminders frequency (min) - Escalation Notification Header (text) - Escalation Priority - Escalation Notification Recipients

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Domain	Feature
	  ** In the "Escalation notification" section it is possible to specify the rules that will manage also notification popup when the **max amount of reminders has been reached**. This happen when the user does not acknowledge previous notification received and get many reminders from the system. The Escalation notification is represented by a popup having medium priority (that can be closed manually by operator), and it will be displayed in the Notification widget as always. The notification for escalation will be sent to the specified user in the tab "escalation recipient".

3.2 Fixed

Please refer to Bugs change log for further details

4 Change Log Omnia 4.2

4.1 Features Change Log

The following is the changelog for features that have been implemented in Omnia release 4.2

Issue key	domain	Summary
C1233-2935	Epic	Device Control: device Lock/Unlock features and relating notification management implementation
C1233-2955	Story	DMS, Detection units, TLC: additional source for the status "No Info" is added, specifying in the Source field "Forced offline by user
C1233-2938	Story	Electronic Sign Panel: DMS lock command implementation
C1233-2886	Epic	Event Management : new Localization "On Area" and various Planned Events improvements

C1233-2877	Epic	Event Management: Event Impact Area implementation in Map View application
C1233-2926	Story	Event Management: Planned events look-ahead popup implementation for entering how many days in the future planned events have to be displayed on the map
C1233-2905	Story	Event Management: add in Event Panel the possibility to open the Incident Management tool
C1233-1315	Story	Event Management: generate Situation Message for Planned Events
C1233-3022	Story	Event Management: generate Situation Message when candidate duplicates to merge are found
C1233-1311	Story	Event Management: generate Situation Message when New Event is created
C1233-3058	Story	Event Management: generate Situation Message when New Event is created (after Merge)
C1233-2912	Story	Event Management: Merge Event feature improved providing the user with the possibility to select event properties to merge
C1233-2911	Story	Event Management: planned event have a proper icon with an associated logic colour based
C1233-2887	Story	Event Panel: new Localization type "On area" implementation
C1233-2908	Story	Event Panel: "Road type" field to be added to the form
C1233-2925	Story	Event Panel: add event on the map drawing area function provides the list of affected arcs to the user
C1233-3023	Story	Event panel: existing feature improvement; when the "Select road" button is clicked, the application displays a popup that provides the arcs list (plus a search field) that allow the user to select multiple arcs to better define the event position on the map.
C1233-2906	Story	Event Panel: Parameters tab restyling in order to access to Incident Management tool
C1233-2903	Story	Map View: display on map event impact
C1233-2956	Story	Map View: Force Offline TLC - (status ="No Info - forced by user")
TCDEV01-19	Story	MKTTParkAdapter: new adapter implementation for reading from XML file the available/occupied spaces.
C1233-2963	Story	Notification Management: "Forced Offline" popup for selecting reason and duration (any device) implementation
C1233-1313	Story	Notification Management: a notification is raised when Event Assignee is updated
C1233-2968	Story	Notification Management: bring back device online - popup notification implementation
C1233-2962	Story	Notification Management: Bring Back online/ Extend duration - notification popup for DMS, TLC and DU.
C1233-2966	Story	Notification Management: device forced offline - notification popup implementation
C1233-2937	Story	Notification Management: device lock/unlock notifications implementation
C1233-3130	Story	Notification Management: Device Lock\Unlock Request notification popup received by the owner of the lock includes a proper link to center on the map the device affected by the request.
C1233-3063	Story	Notification Management: Escalation popup implementation
C1233-1312	Story	Notification Management: generate Situation Message when New Event is updated

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C1233-2901	Story	Notification Management: new popup notification implementation basing on the priority value (low, medium or high).
C1233-1307	Story	Notification Management: Notification balloon presentation (PUSH version)
C1233-1305	Story	Notification Management: notification presentation as popup (push version)
C1233-1292	Epic	Notification Management: notifications creation basing on different types of situation messages and related presentation implementation
C1233-3193	Story	Notification Management: system notification sending when a device is forced offline
C1233-3189	Story	Notification Management: system notification sending when device unlock is requested
C1233-1317	Story	Notification Management: Template Configurator implementation to configure all notification templates parameters
C1233-2902	Story	Notification Manager: Notification Report -log and store notifications into Database
C1233-3083	Epic	Notification Template Configurator implementation
C1233-3064	Story	Notification Template Configurator: acknowledge rules implementation
C1233-2992	Story	Notification Template Configurator: Actions configuration section implementation
C1233-2910	Story	Notification Template Configurator: add Area section in Template Configurator-Recipients tab
C1233-2928	Story	Notification Template Configurator: advance/delay parameters (used by Situation Message) to be added to Notification template
C1233-2909	Story	Notification Template Configurator: GUI layout changes in Template Configurator
C1233-1304	Story	Notification Template Configurator: Reminder and Escalation notification management
C1233-2899	Story	Notification Template Configurator: add priority field in the notification template
C1233-3134	Story	TLC/DMS/LCS: the username of the user who locked the device has to be visible to user that access the same device.
C1233-2939	Story	TLC: "Unlock Device" command implementation
C1233-2936	Story	TLC: Traffic Light Controller lock command implementation

4.2 Bugs change Log for Omnia 4.2

The following is the changelog for bugs that have been fixed for the Omnia release 4.2.

Issue key	domain	Summary
C1233-3138	Bug	ARH and Tattile: All devices showing No Info status
C1233-3215	Bug	Device Control: Enhance the notification including the intersection code
C1233-3160	Bug	Device Control: Lock notifications updates

C1233-3156	Bug	Device Control: Unlock request pop-up is corrupted and is not working (when unlock by different user)
C1233-3217	Bug	Device Control: change label in popup to provide details on the reason of the failure
C1185-330	Bug	Electronic Signs: Proposal event-based message is showing event distance with incorrect format
C1233-3068	Bug	Event Management: in the Event Merge Notification popup the link to merge action not visible
C1233-3140	Bug	Event Notification: Date Time is not showing accurate values
C1233-2914	Bug	Event Overview: Filter by Severity is missing
C1233-3111	Bug	Event Overview: User cannot discard event and error displayed in console
C1233-3098	Bug	Event Panel: elect Road pop-up - Deselect option should be disabled when no item is selected and should be renamed
C1233-3109	Bug	Event Panel: Location - Commas should be removed for Selected roads with no names
C1233-3049	Bug	Event Panel: modify / view event - error
C1233-3157	Bug	Event Report: Planned event Report not working
C1233-1691	Bug	Genetec adapter: automatic alignment adds an unexpected parameter to the camera parameter values
C1233-2876	Bug	Genetec- Multi Video Player: camera offline - toolbar not visible
C1233-3056	Bug	Genetec Storage: blank page is opened
C1233-3074	Bug	Key Corridor Dashboard: Symbols are not showing accurately
C1233-2489	Bug	Layout/Style Designer: not possible to associate icons for some Layouts
C1233-1748	Bug	Map View - Devices popup Control tab: blank box displayed for some devices
C1233-3175	Bug	Map View: Impact area missing label
C1233-3118	Bug	Map View: controllers are not showing in selection tree
C1233-3108	Bug	Map View-Event creation by Area: Area buttons on map should have correct names (currently are showing undefined)
C1233-2713	Bug	Measurement Report: Snaps data are not available
C1233-3139	Bug	Network Analysis: Profiler data is not updated

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C1233-3089	Bug	Notification Configuration: Error displayed when adding Notification Configurator (conflict occurred in database)
C1233-3099	Bug	Notification Configuration: Notification is not sent to users although is configured (for Notifications with priority High)
C1233-3086	Bug	Notification Configuration: Page title is not showing complete page name
C1233-3087	Bug	Notification Configuration: Uploaded icon name should be shown in the list when it is uploaded
C1233-3116	Bug	Notification Configuration: User cannot upload Audio file (fakepath) is displayed
C1233-3090	Bug	Notification Configurator: UI and translation updates
C1233-3067	Bug	Notification Management: notification popup should be arrived only at Recipient configured in the template
C1233-3146	Bug	Notification Management: Device Lock request window is wrong
C1233-3017	Bug	Notification Template Configurator: audio/sound is not mandatory
C1233-3021	Bug	Notification Template Configurator: duration value amendment
C1233-2596	Bug	Notification Template Configurator: handle notification specific sound
C1233-3018	Bug	Notification Template Configurator: template name must be unique
C1233-3050	Bug	Notification Template Configurator: type SMS - MAIL
C1233-3015	Bug	Notification Template Configurator: only Administrator can manage the tool
C1233-3016	Bug	Notification Template Manager: Reminder and Escalation - not save DATA notification management
C1233-3125	Bug	Notification: (Device Forced offline) - if the device is part of another response plan/scenario/strategy, ensure that a notification message will be displayed to the user
C1233-3151	Bug	Notification: Possible to open unlimited number of Lock windows
C1233-2999	Bug	PtvAdapter - mid term simulations are not written in db
C1233-3112	Bug	PtvAdapter: microSimulation grid does not show subnetworks if there are no simulations

C1233-3085	Bug	Salwa Road: Page keeps loading and then an error displayed (performance issue)
C1233-2977	Bug	SNAPS Stabilizing - Post Release 4.1 Production