ROLTA

Emergency Response Systems

From:

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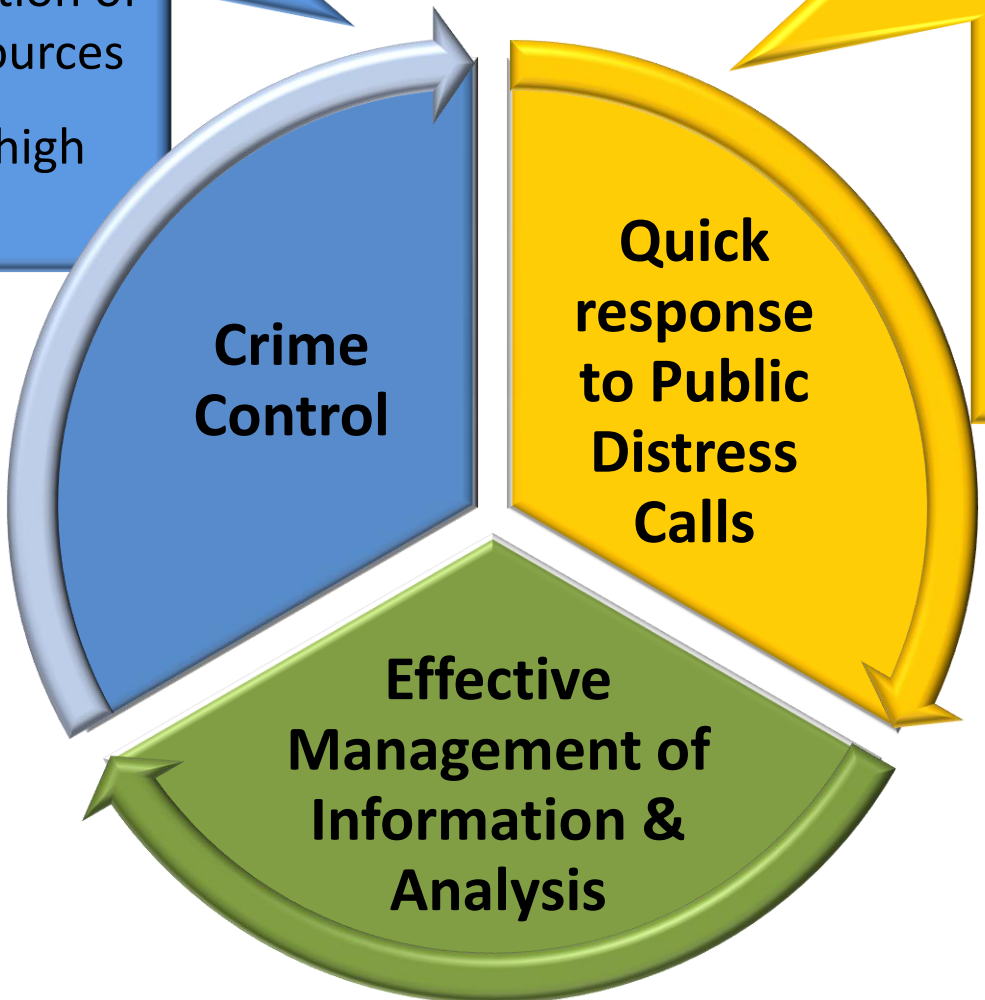
ERS - Necessity

- Quick & accurate location information
- Improved utilization of constrained resources
- Demarcating of high risk areas



- Real-time location of incidents and response teams at any time
- Directing response teams by shortest route
- Accurate & secure information

Emergency Response System -Workflow

ATR - Necessary action has been taken, Fire Under control ,Preliminary investigation completed , 3 Injured persons , taken to hospital`

Landline

Cellular

SMS

Radio

Caller

Alarm

Hot Line

Distress Call to Control Room (Voice /Text/Image/Video)

SMS

ANI

ALI

Responding Units installed with MDT

Police Station With CAD Web Application

Hospital

Inform to Other Agency

Assign Incident

Additional Resources

Instruction

Feedback

Internet WAN

Incident Generation Acknowledgement

Incident Creation

OPS-CDR

P XX-XX-XX/X

Incident

Calltakers

Dispatchers

Incident Closure

Senior Officer with CAD Smartphone App

Fire Station

Inform to Other Agency

Police Control Room

CCTV Footage

Real time status update through Image/Video

ATR - Necessary action has been taken, Fire Under control ,Preliminary investigation completed , 3 Injured persons , taken to hospital`

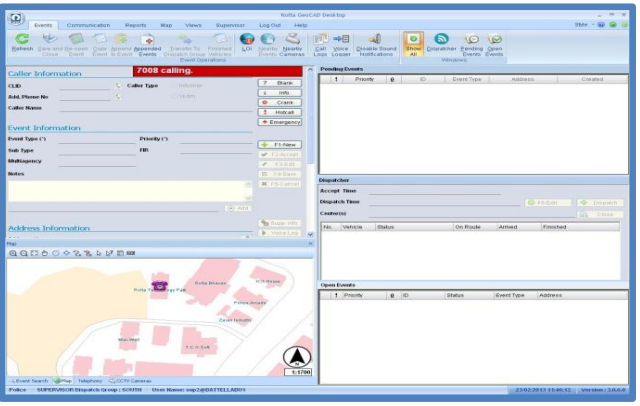
ATR

ERS - Functional Components

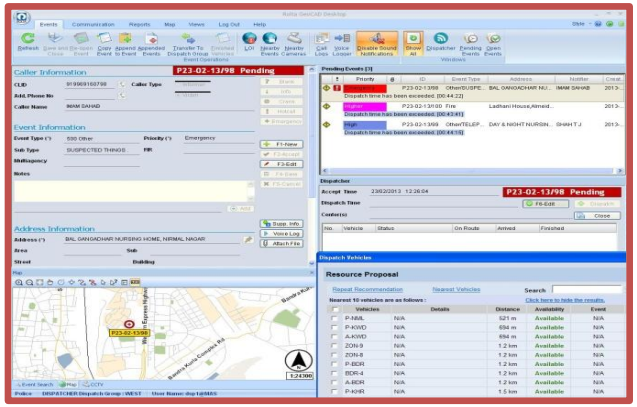
Rolta Geo CAD Key Features

CAD User Interoperability

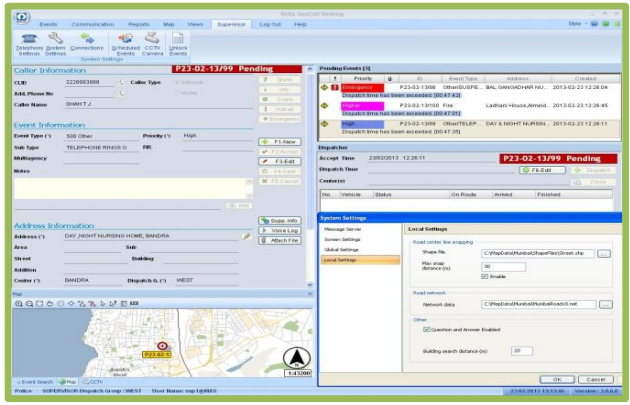
Login Credentials



Calltaker



Dispatcher



Supervisor

Flexibility to switchover between Call Taker, Dispatcher & Supervisor based on user defined Login credential

Multi–Monitor & Soft Phone

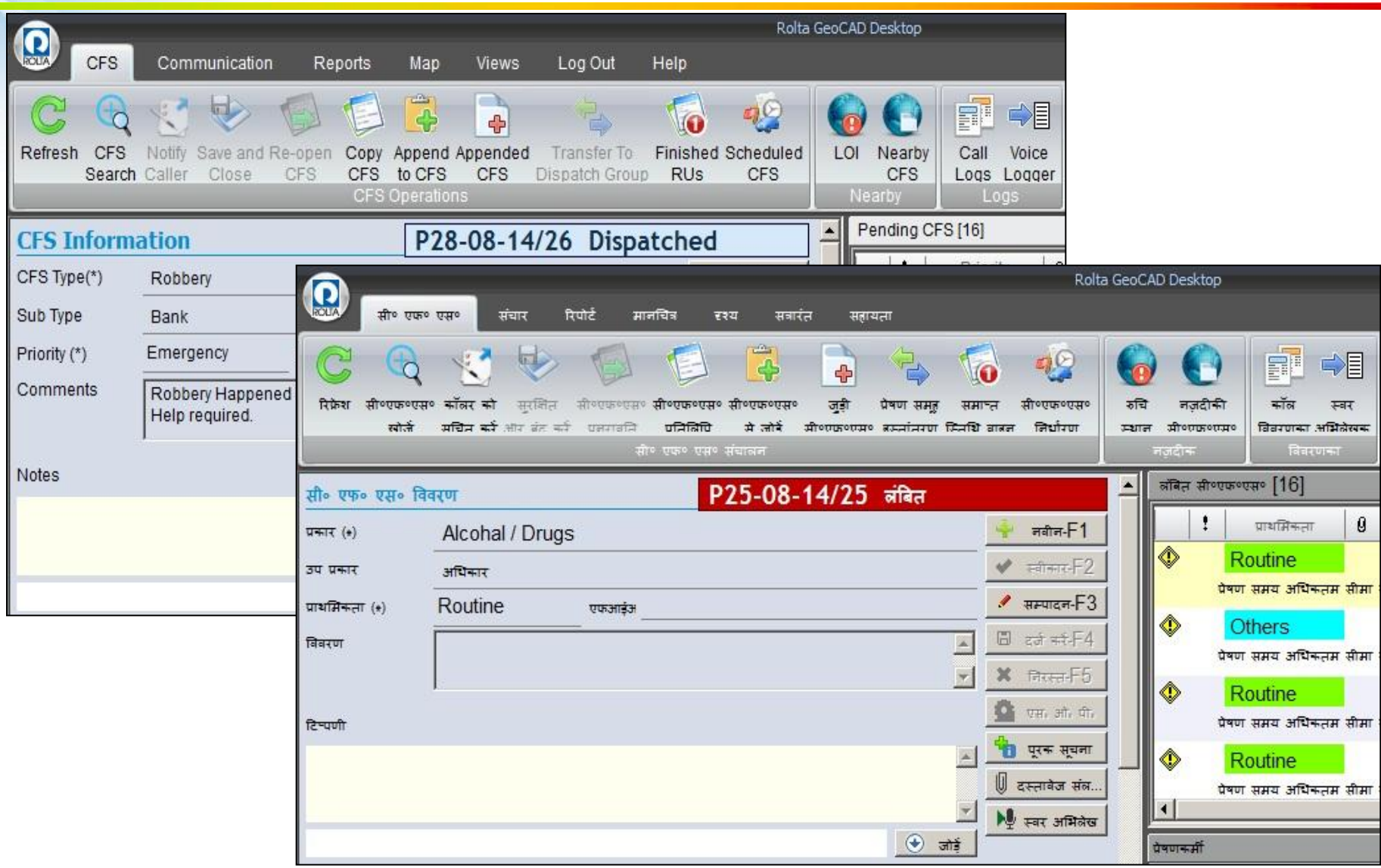
Multi Monitor Configuration

Inbuilt Soft phone

Multi–monitor configuration for Call Taking/Dispatching forms, GIS map, Video monitoring

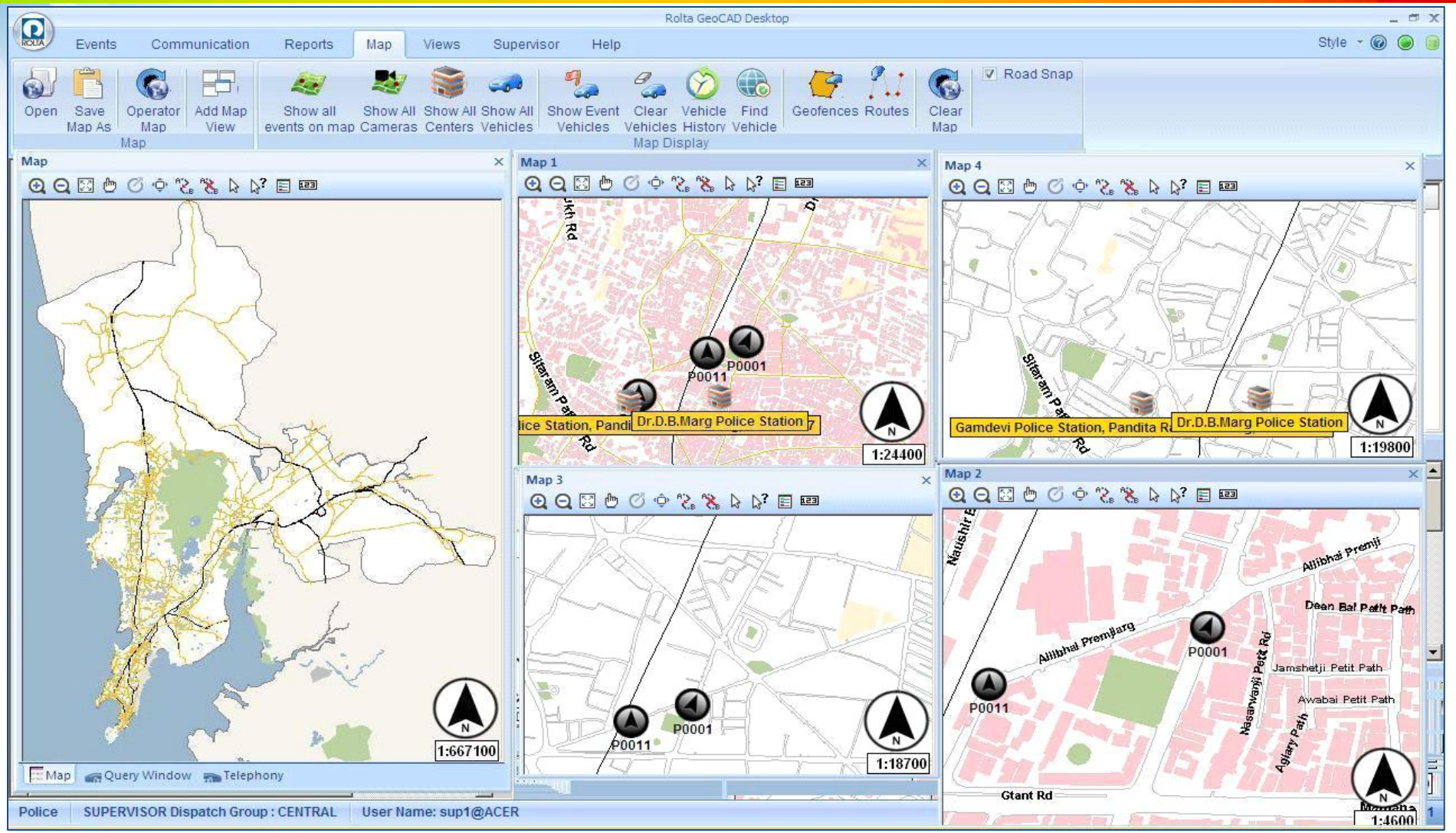
Inbuilt Soft Phone with Telephone directory & Caller History

Multi-Lingual Support



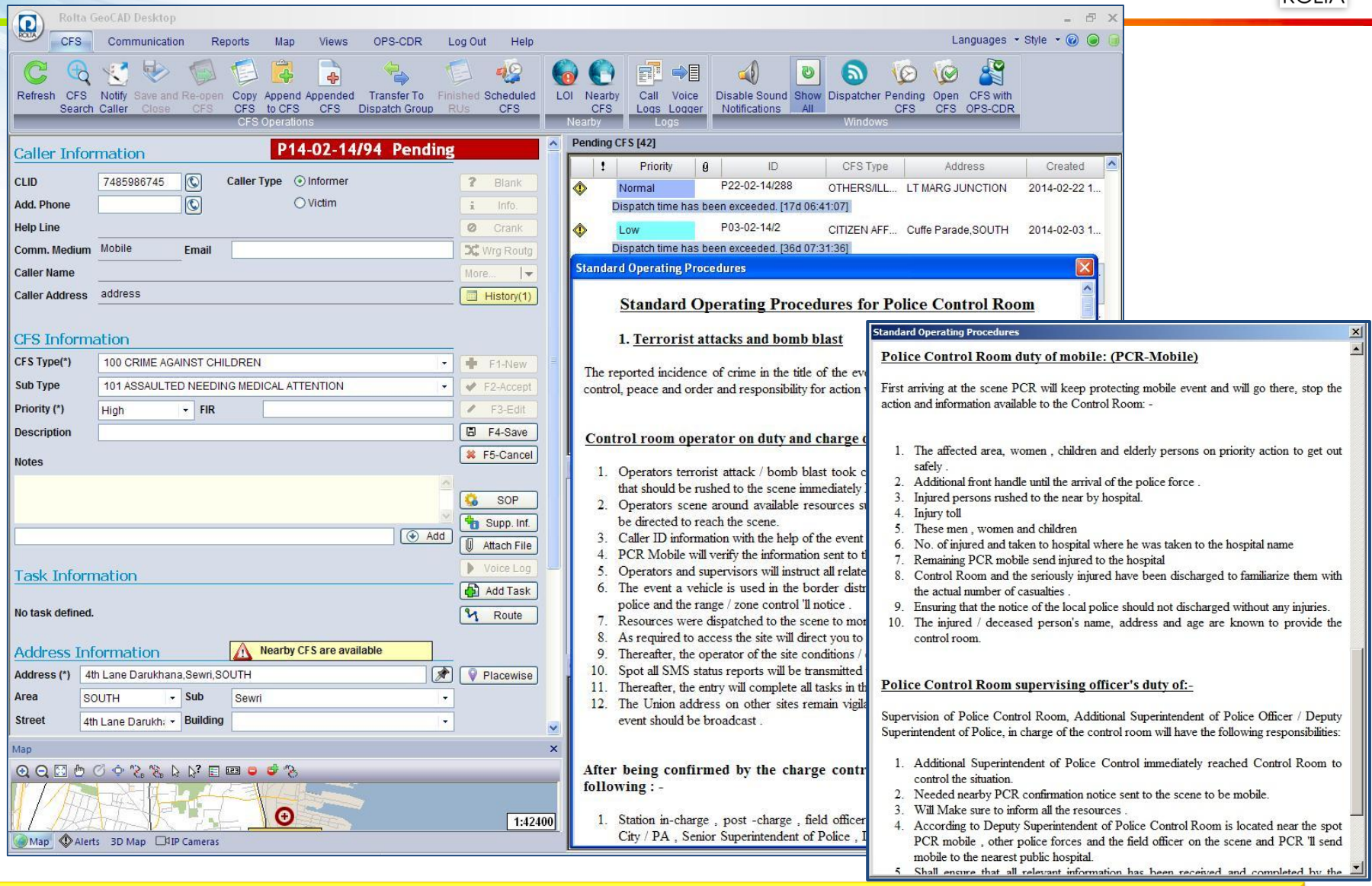
Support for Multiple Languages GUI

Multiple Map Windows



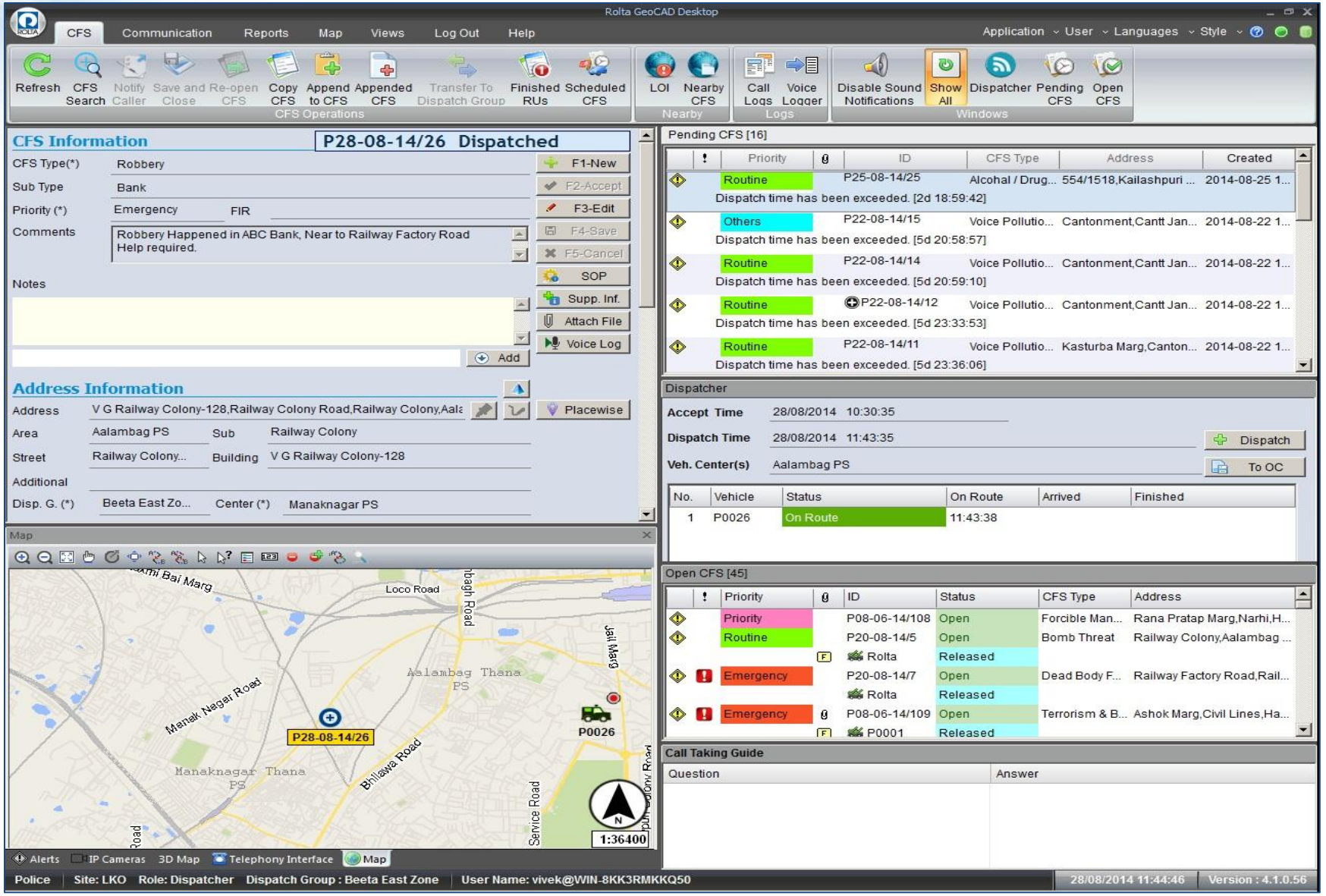
System supports multiple map windows for simultaneous monitoring of multiple events/response units

Standard Operating Procedures

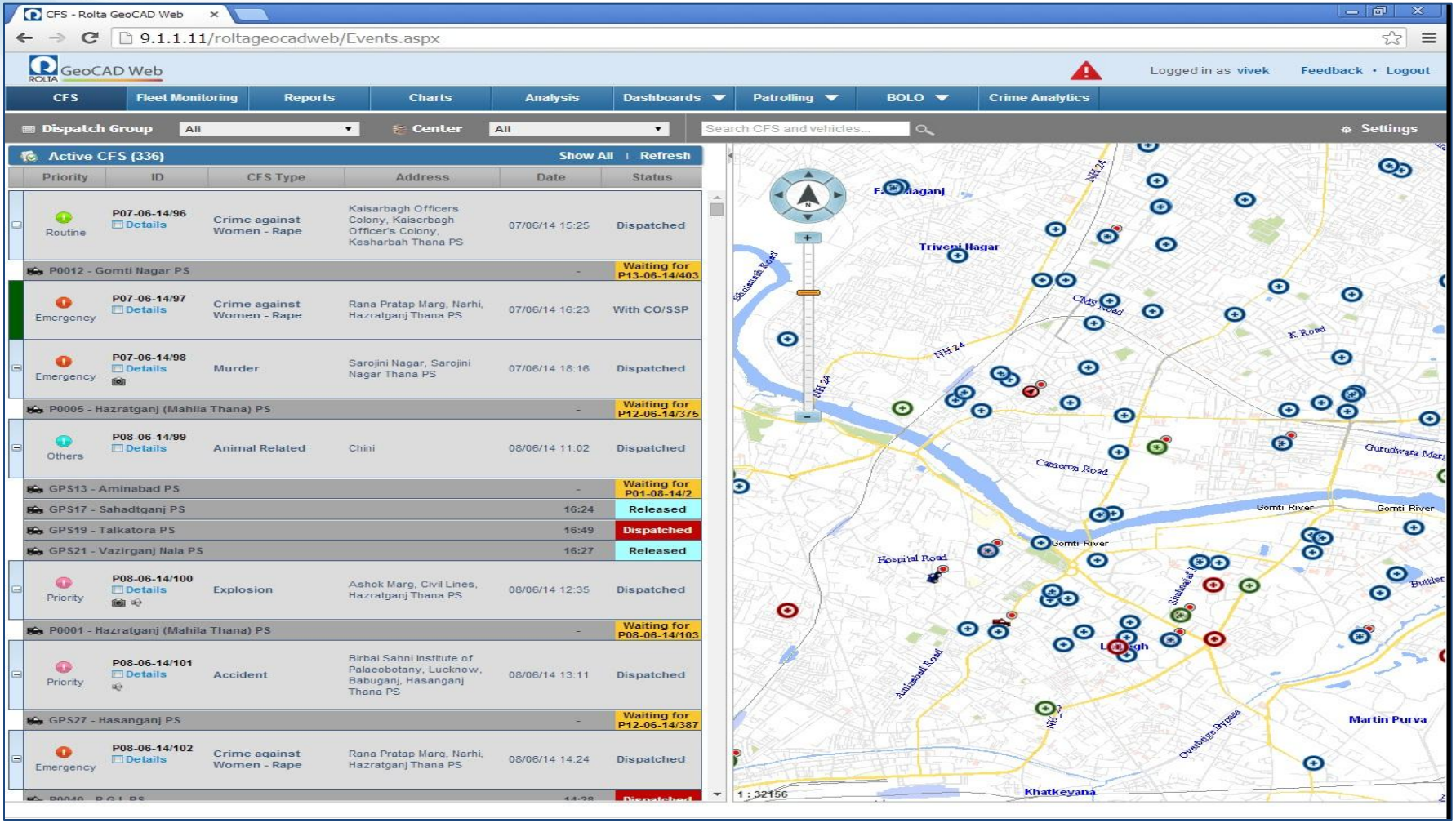


SOP for Call takers, Dispatchers , Supervisors & MDT Users based on Incident Type

Rolta GeoCAD Desktop GUI

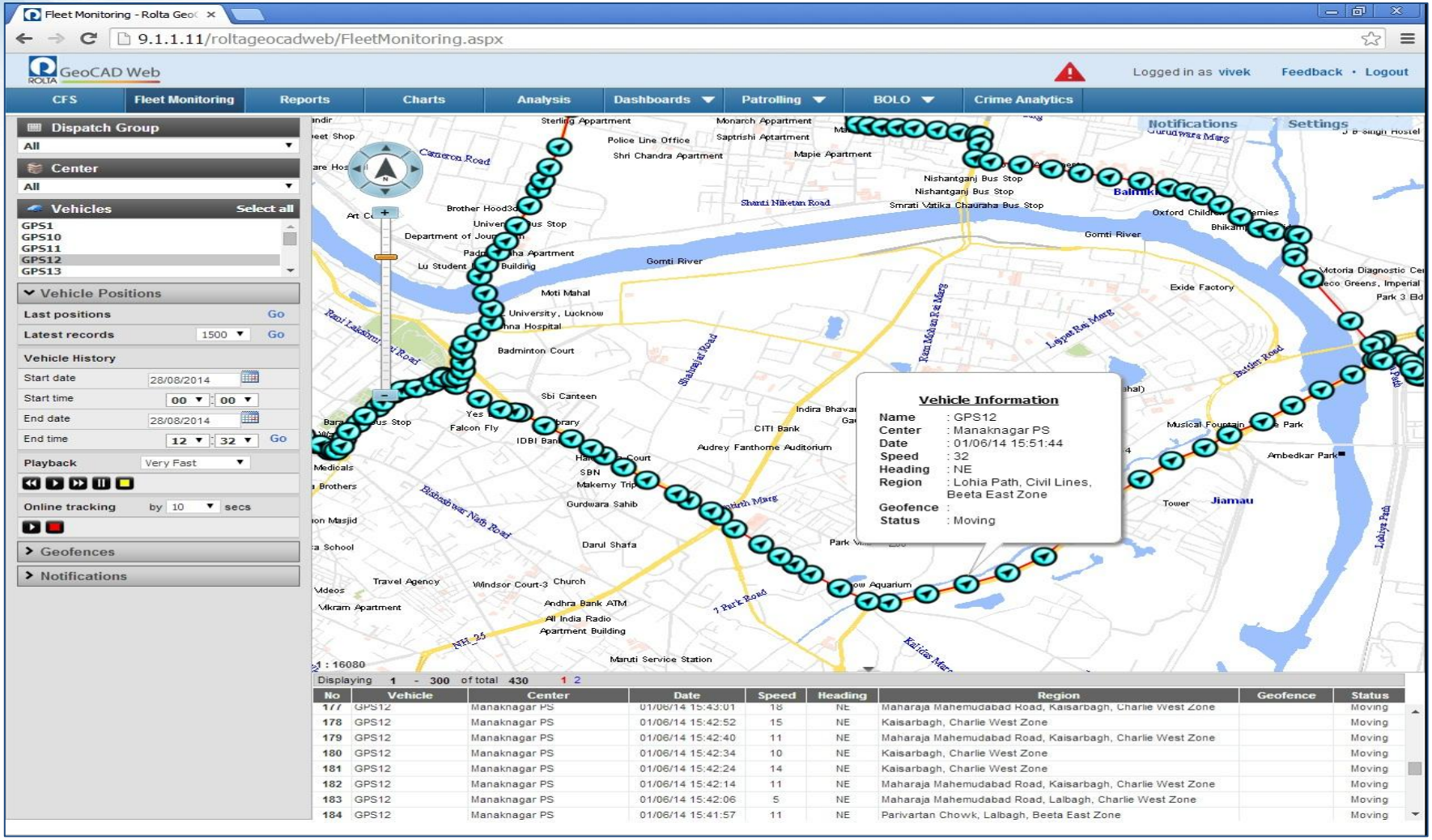


Rolta GeoCAD Web



Bird's Eye view of CAD operations through Browser

Fleet Monitoring



Dashboards

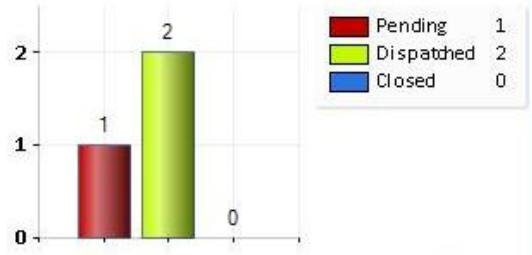
CFS | Fleet Monitoring | Reports | Charts | Analysis | Dashboards | Patrolling | BOLO | Crime Analytics

Dashboards

Last 24 Hours

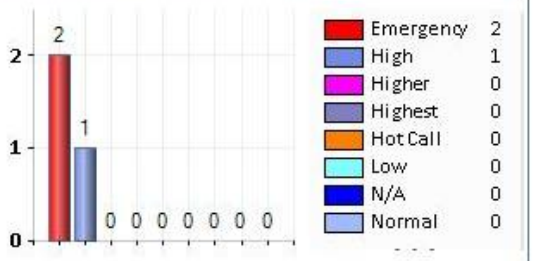
Last Updated 19.03.2014 11:41:39

CFS Status



View Details

CFS Status - Priority Wise



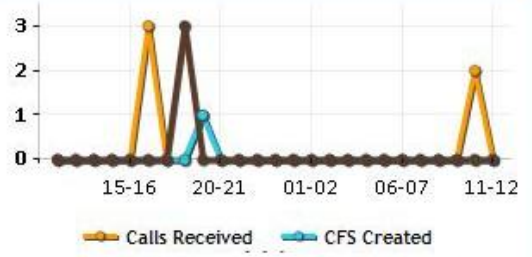
View Details

Average Response Time

Response	Time
Average Call Taking Time	00:00
Average Dispatch Time	04:37
Average RU Response Time	00:00
Average CFS Closing Time	00:00

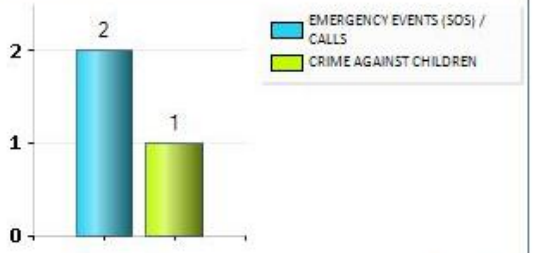
View Details

Calls Received vs CFS Created



View Details

CFS Type Distribution



View Details

Responding Unite Modem Update Status

View Details

Rolta GeoCAD Mobile for Responding Units

Authentication

BOLO

Incident Detail

Patrol Chart

Shortest Path

Traffic Impact

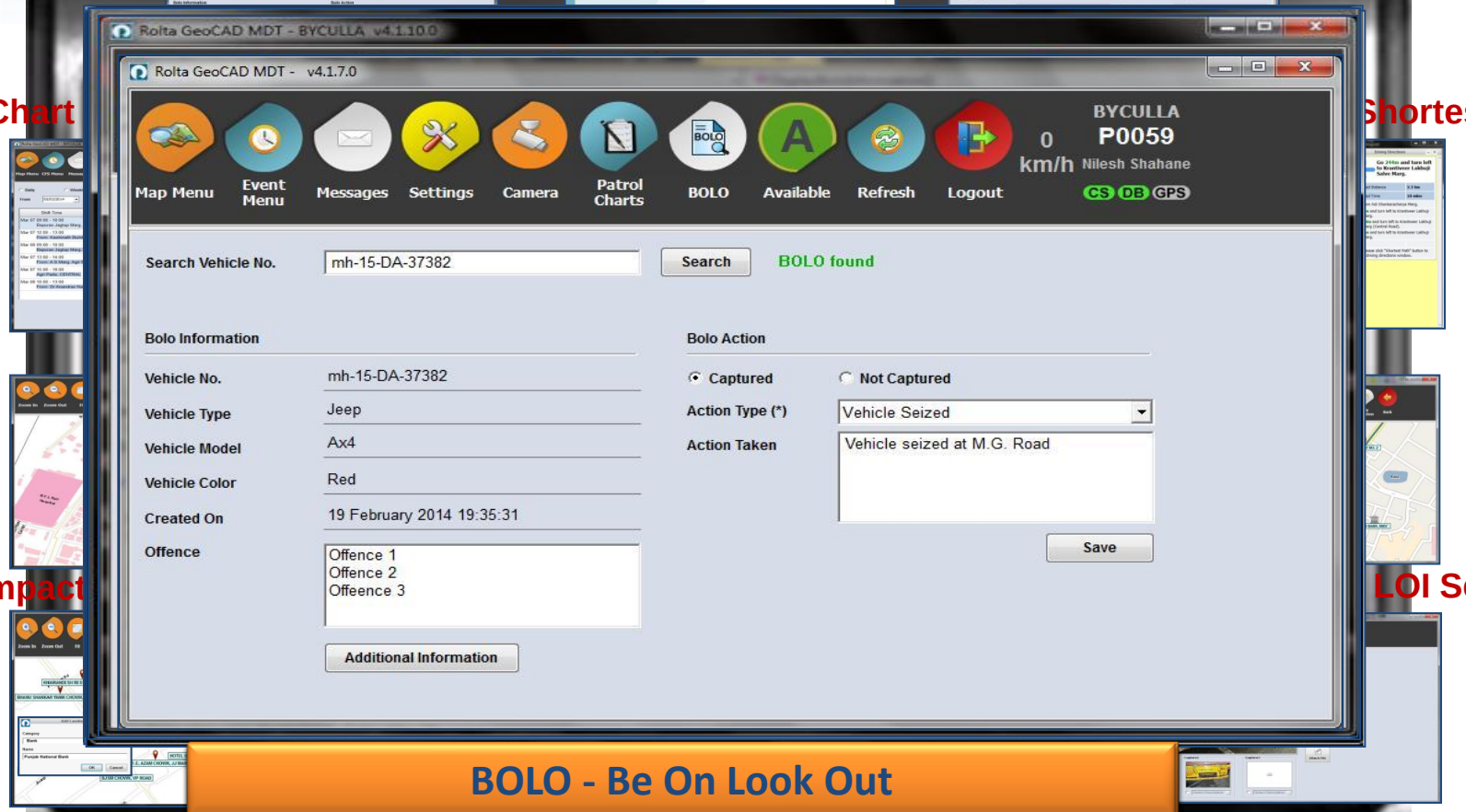
LOI Search

POI Creation

Data Communication

Text / Audio based ATR

Messaging Support



BOLO - Be On Look Out

Rolta GeoCAD Mobile for Smartphones for Senior Officers

- Secure user access (OTP)
- Incident Alert & List
- Incident Details
- GIS Map Display, Incident / RU location
- Incident - Monitoring, Instruction & Feedback
- View Command Logs
- Dashboard

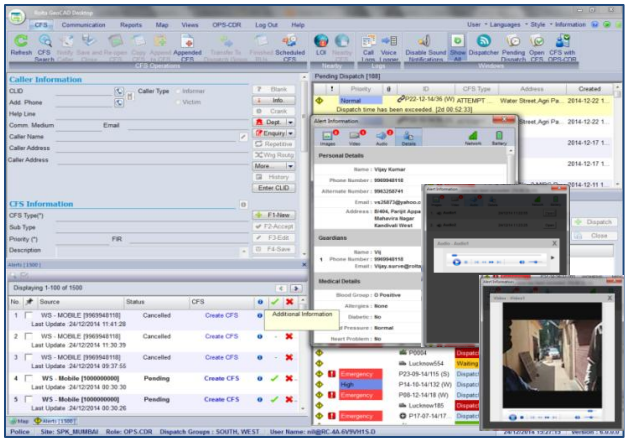
Integrated Women Safety (SOS) App

Rolta Suraksha Apps on Smartphone for Emergency Alert

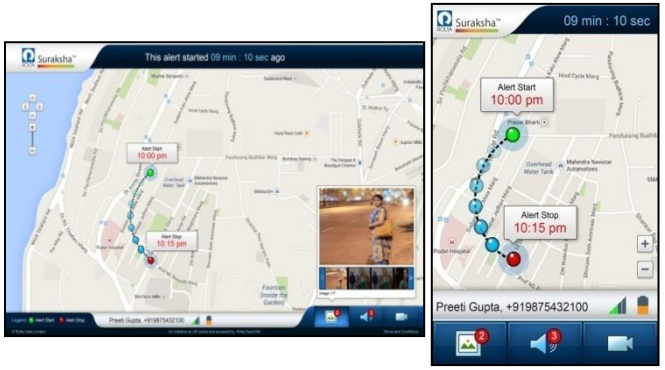
SOS by Rolta Suraksha Apps

Alerts Send

Rolta GeoCAD at Police Control Room

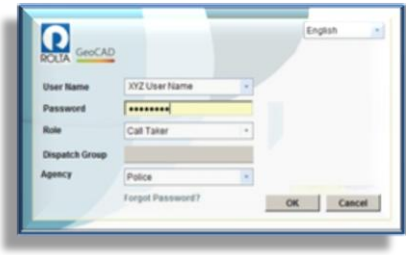


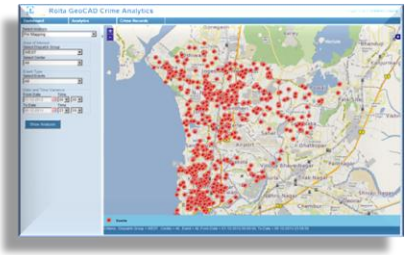
Rolta Suraksha for Parent / Guardian Smartphone



Integrated Rolta GeoCAD & Rolta Suraksha (Women Safety App)

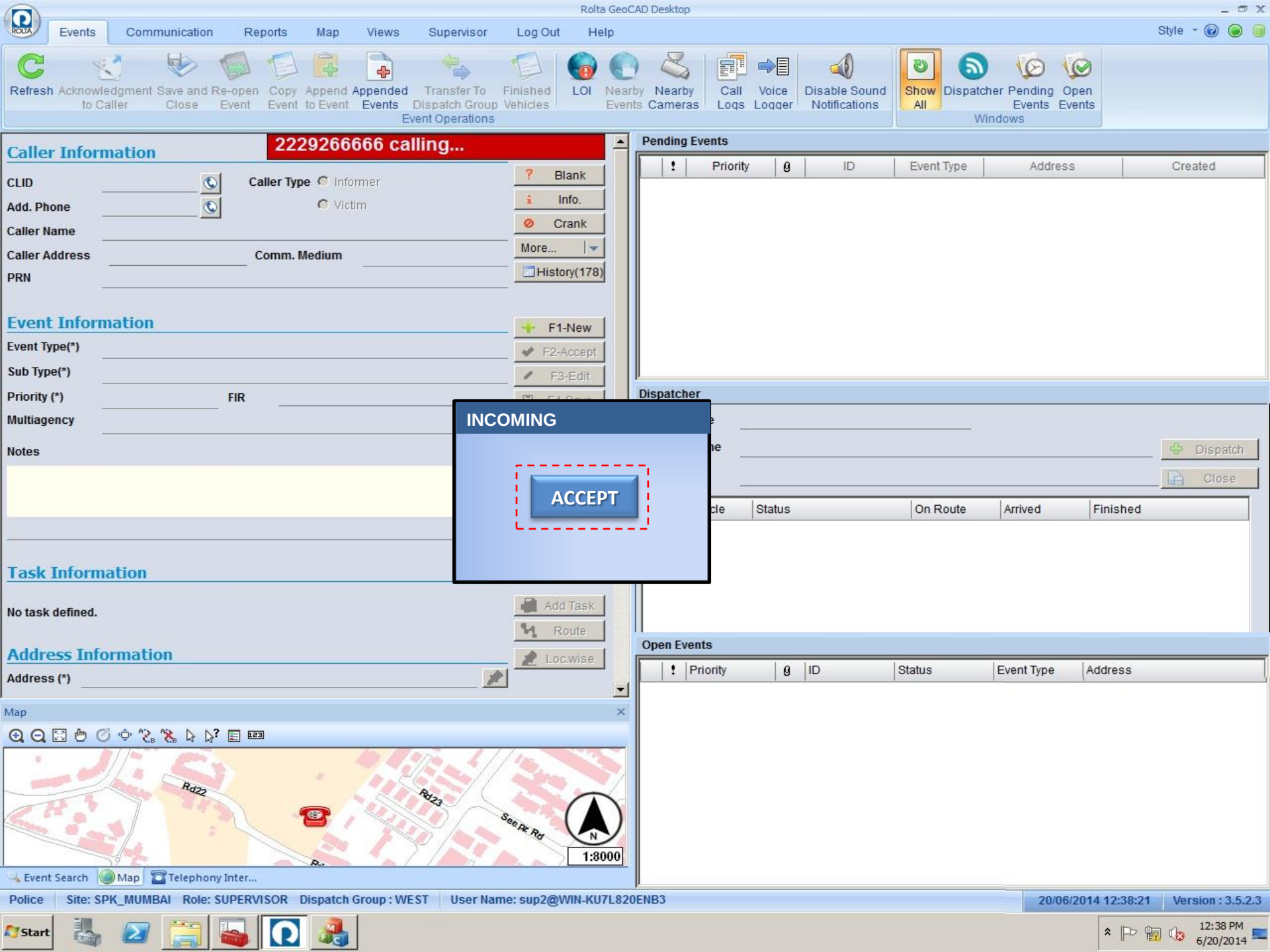
Rolta's Unique ERS Solution





- ✓ Rolta IP, Customizable as required
- ✓ Field proven Solution, Deployed in India and Middle East
- ✓ Comprehensive solution - 100+ Key features
- ✓ Strong Domain expertise
- ✓ Future ready product
- ✓ Avaliable for desktop, web, MDT , Mobile platform
- ✓ Rapid Deployment, easy to configure & Maintain
- ✓ Rich and Optimized integrated GIS & Telephony
- ✓ Multi Agency integration support
- ✓ High Availability Architecture with active failover
- ✓ Mobility Support

DISTRESSS CALL MINUTES AFTER A BOMB BLAST AND HOSTAGE S


Rolta GeoCAD Desktop
Events
Communication
Reports
Map
Views
Supervisor
Log Out
Help
Style
Refresh
Acknowledgment to Caller
Save and Close
Re-open Event
Copy Event
Append to Event
Appended Events
Transfer To Dispatch Group
Finished Vehicles
LOI
Nearby Events
Nearby Cameras
Call Logs
Voice Logger
Disable Sound Notifications
Event Operations
Show All
Dispatcher
Pending Events
Open Events
Windows
Caller Information
2229266666 calling...
CLID
Add. Phone
Caller Name
Caller Address
PRN
Caller Type
Informer
Victim
Comm. Medium
Blank
Info.
Crank
More...
History(178)
Event Information
Event Type(*)
Sub Type(*)
Priority (*)
FIR
Multiagency
Notes
F1-New
F2-Accept
F3-Edit
INCOMING
ACCEPT
Task Information
No task defined.
Add Task
Route
Address Information
Address (*)
Loc.wise
Map
Rd22
Rd23
See pz. Rd
N
1:8000
Event Search
Map
Telephony Inter...
Pending Events
Priority
ID
Event Type
Address
Created
Dispatcher
Dispatch
Close
Status
On Route
Arrived
Finished
Open Events
Priority
ID
Status
Event Type
Address
Police
Site: SPK_MUMBAI
Role: SUPERVISOR
Dispatch Group : WEST
User Name: sup2@WIN-KU7L820ENB3
20/06/2014 12:38:21
Version : 3.5.2.3
Start
12:38 PM
6/20/2014

Rolta GeoCAD Desktop

Events | Communication | Reports | Map | Views | Supervisor | Log Out | Help | Style

Refresh | Acknowledgment to Caller | Save and Close | Re-open Event | Copy Event | Append to Event | Appended Events | Transfer To Dispatch Group | Finished Vehicles | LOI | Nearby Events | Nearby Cameras | Call Logs | Voice Logger | Disable Sound Notifications

Event Operations

Show All | Dispatcher | Pending Events | Open Events

Windows

Send To ...

EVENT TRANSFER

Barrackpore Comm

BidhanNagar Comm

Howrah Comm

Kolkata Comm

Caller Information

P20-06-14/1 Pending

CLID: 29266666

Caller Type: Informer / Victim

Add. Phone:

Caller Name: Anonymous

Caller Address:

Comm. Medium:

PRN:

Blank | Info.. | Crank | More... | History(0)

Event Information

Event Type(*): 6200 BOMB BLAST

Sub Type(*): BOMB BLAST

Priority (*): Emergency

FIR:

Multiagency: Fire, Medical

Notes:

F1-New | F2-Accept | F3-Edit | F4-Save | F5-Cancel

Task Information

No task defined.

Address Information

Address (*): Midc,WEST

Area: Sub:

Street: Building:

Addition:

Disp. G. (*): WEST Center (*): MIDC

Pending Events [1]

!	Priority	@	ID	Event Type	Address	ed
	Emergency		P20-06-14/1	BOMB BLAST...	Midc,WEST	:37:57

Waiting for dispatch [00:00:26]

Dispatcher

Accept Time: 20/06/2014 12:37:57

Dispatch Time:

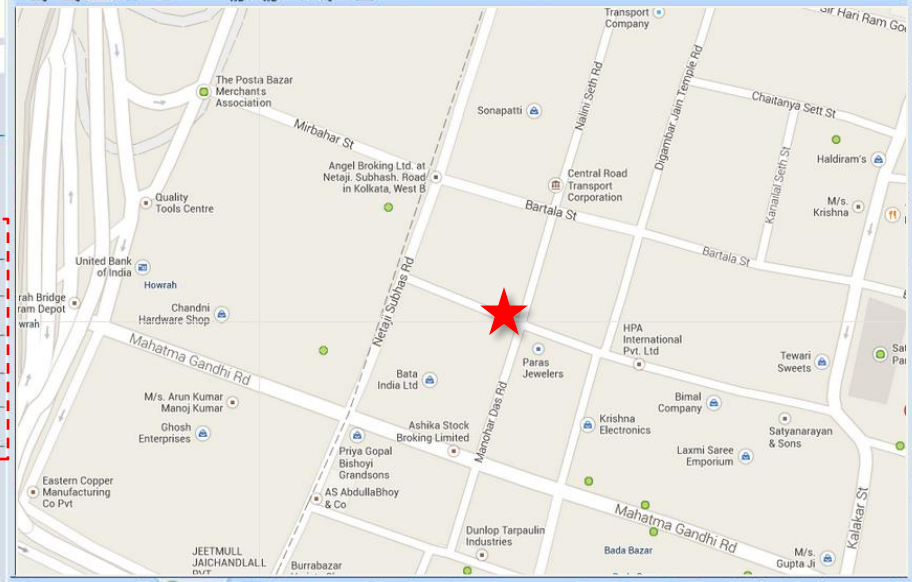
P20-06-14/1 Pending

Dispatch | Close

Arrived	Finished

vent Type	Address

Map



Event Search | Map | Telephony Interface

Police | Site: SPK_MUMBAI | Role: SUPERVISOR | Dispatch Group : WEST | User Name: sup1@WIN-RO7L820ENB5 | 20/06/2014 12:38:21 | Version : 3.5.2.3

Start | 12:38 PM 6/20/2014

ALERT RECEIVED AT C2

STANDARD OPERATING PROCEDURE - COLLOBORATION

Technology Limitations & Way Forward

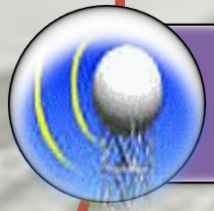
We Can't do

- Influence the movement of the earth's tectonic plates
- Divert major storms
- Reliably predict the timing or intensity of volcanic eruptions

We Can do

Setting up Automated emergency Response Systems for quicker response with SOPs

Setting up early warning sensors with communication backbone for l Disaster Management



Integrated systems for seamless information exchange

Advanced Technology for analysis, accurate prediction & mitigation

THANK U