



Lesson 3.10

Situational Awareness and Unite Aware (UA) Platform for UNMO

Content



- Overview of the importance of situational awareness in UNPKO
- Unite Aware for UNMO:
 - UA Patrol Plans
 - UA SAGE (Situational Awareness Geospatial Enterprise)
 - UA Maps

Learning Outcomes



- Explain the importance of situational awareness in a UNPKO environment
- Explain how UA supports UNMO and the decision-making process
- Describe the core applications of UA for UNMO

Importance of Situational Awareness



*Improving **integrated information flow**, the coordination of **situational awareness** and **crisis response** is critical to a more effective and efficient UN*

United Nations Nations Unies
INTEROFFICE MEMORANDUM MEMORANDUM INTERIEUR

TO: see Distribution List DATE: 3 January 2017
BY: [Signature]
THROUGH: [Signature]
FROM: The Secretary-General
DE: [Signature]
SUBJECT: Strengthened Information Management, Coordination and Crisis Management Arrangements

1. Improving integrated information flow, the coordination of situational awareness and crisis response is critical to a more effective and efficient United Nations. A range of cultural, process and structural changes across the Secretariat will be required to deliver improvement. As an initial measure to help reduce fragmentation and to encourage cross-system information-sharing and consistent coordination, I have decided to take immediate steps to make the United Nations Operations and Crisis Centre (UNOCC) a fully integrated entity reporting to my office, supported and supported by client Departments, Offices, Agencies, Funds and Programmes. Further developments in this process will be proposed to the relevant legislative bodies.

2. The UNOCC will serve as an enhanced and integrated information and crisis hub working to collate and consolidate timely and accurate information from across the United Nations system. The UNOCC will provide United Nations senior managers with a global operational picture. The following products and services are envisaged:

Strengthened Information Management, Coordination and Crisis Management Arrangements, 3 Jan 2017

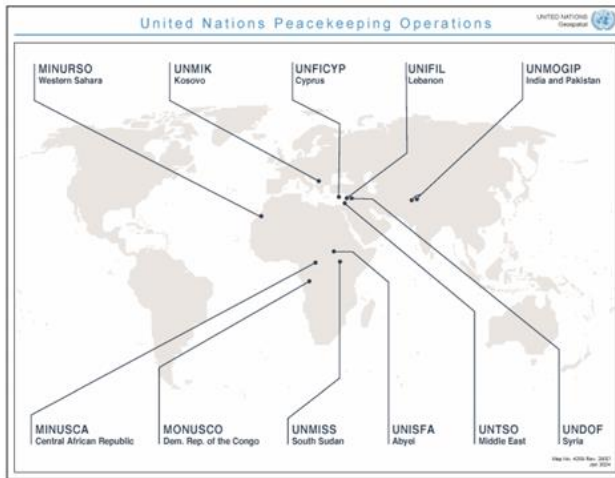


What is Situational Awareness?



Ability to provide decision-makers with **timely**, **accurate**, and **actionable** crisis-related **information** regarding the nature and complexity of the situation, threats to staff and facilities, and the effectiveness of response and recovery actions

Why does the UN embrace Situational Awareness?

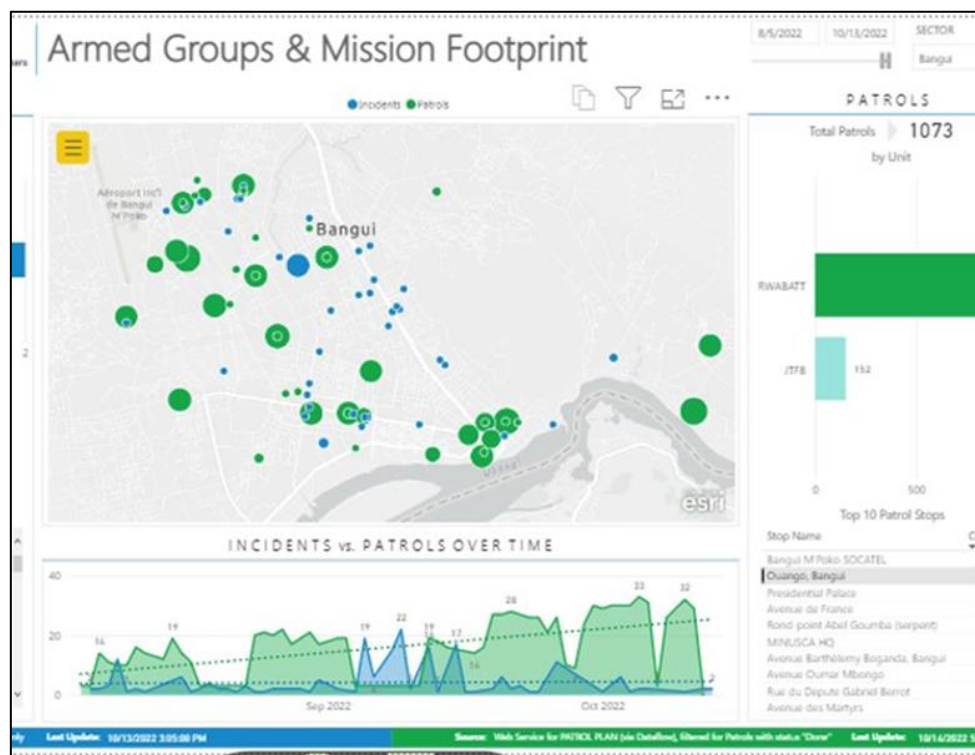


Peacekeeping Operations Fact Sheet
31 Dec 2024

- 70,000 deployed in UNPKO
- UNPKO are evolving in complex and dangerous environments
- Dangers to peacekeepers and population
- UNMO needs to understand the Op environment
- Anticipate threats
- Support planning and decision-making



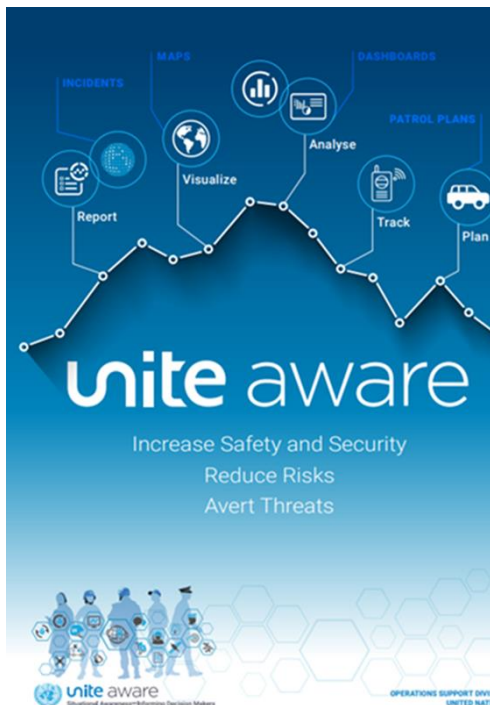
Enhanced Situational Awareness



Enhanced Situational Awareness is the capability to provide real-time Info about the Op environment, to support planning, analysis and decision-making to improve the effectiveness of mandate implementation



Unite Aware Platform



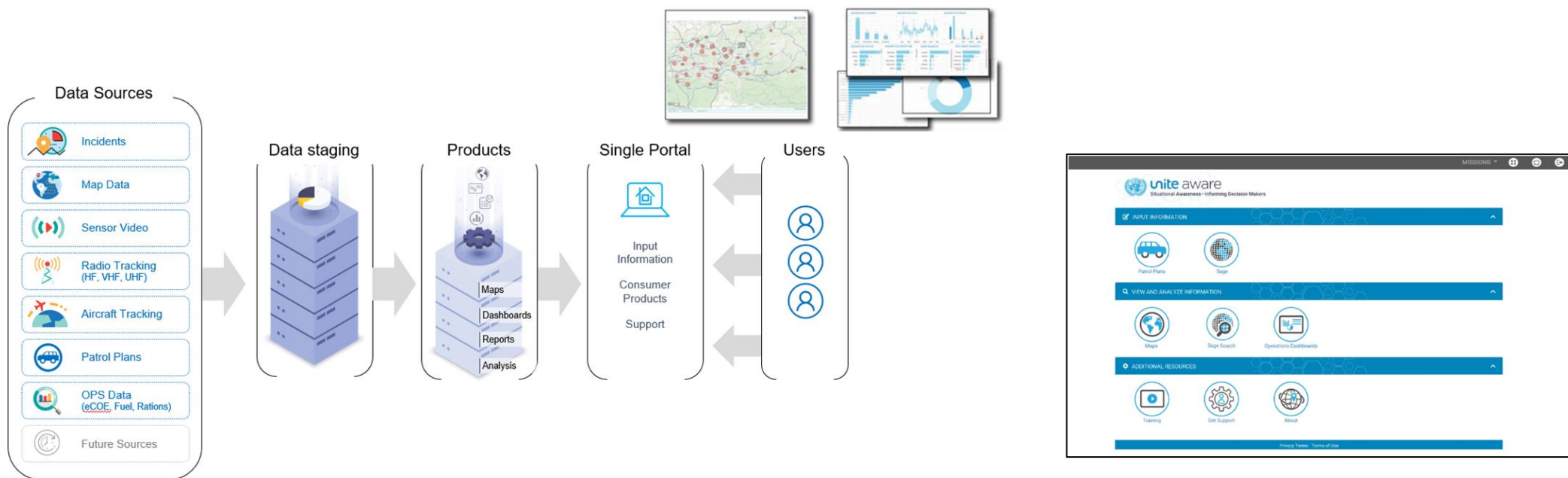
Video: UA - Informing Decision Makers

<https://youtu.be/ycWkRbA3qyw?si=OqwgfkWMP6eW7YR2>

UA is the flagship technology platform designed to provide a coherent, comprehensive and integrated approach to situational awareness and Information analysis



UA in Support of Decision-Making



Incorporates a suite of integrated applications and technologies to systematise data collection, optimise Information sharing, streamline reporting and provides an improved graphic interface for better visualisation to support Op planning, analysis and decision-making, via intuitive visualisations, reporting and analysis instruments

UA Applications to Enhance Situational Awareness



unite aware



UA Sage



UA Patrol Plans



UA Maps



UA Dashboards



UA Training

These Applications provide different functions and complement each other to enhance situational awareness of a mission:

- UA Patrol Plans
- UA Sage
- UA Maps
- UA Dashboards
- UA Training



UA Patrol Plans

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Situational Awareness-Informing Decision Makers

Patrol Plan Management System

View Patrol Plans Create Patrol Plan Approve Patrol Plans My Patrol Plans

Create Patrol Plan

Day/Night: Day ETD: 2019-04-10 12:49 ETA: 2019-04-10

Sections: SECTOR WEST Units: GIS Sub Units: Other

Patrol Purpose: Choose some options Patrol Type: Select a value

Location

ETD	ETA	Day/Night	Number of Vehicles	Patrol Purpose	Patrol Units	Patrol Type
Sat, 08/10/2022 - 12:00	Sun, 09/10/2022 - 12:00	Day/Night	3	Security	SC-Mkapa-Sanduro4NLOS	Long Range Patrol (LRP)

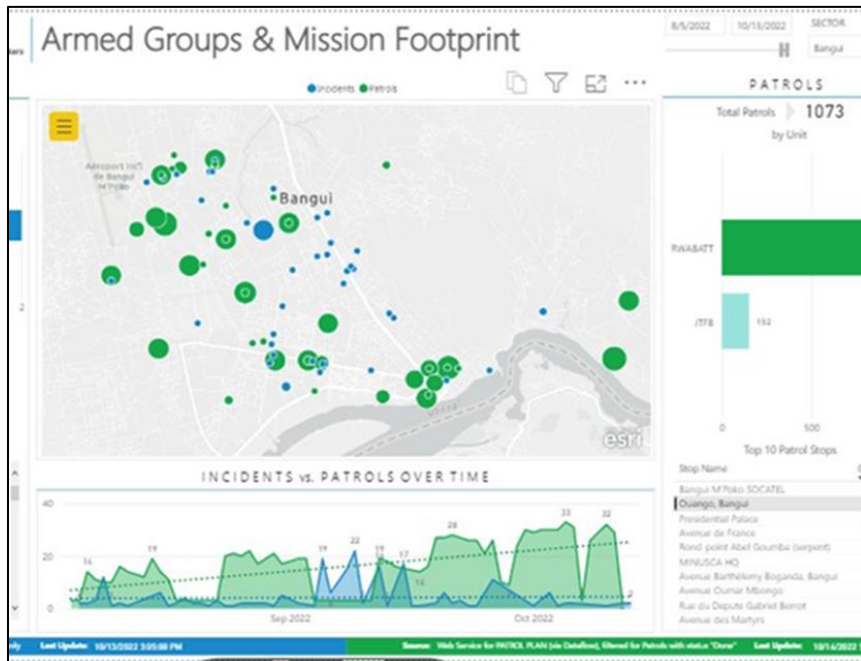
Patrol Composition

Patrol Composition	Itinerary	Documents	Remarks
Armed Vehicle	1. Kopsi, Kopsi, Central African Republic 2. Bouakpa, Yendi, Central African Republic 3. Bouakpa, Yendi, Central African Republic 4. Yendi, Kopsi, Central African Republic	patrol_plan.txt	Added to list

- UNMO, military and police units enter details of their planned patrols
- Relevant Info is recorded for each patrol:
 - data and time of departure
 - itinerary
 - waypoints
 - composition, number of vehicles
 - end of patrol: attach report, photos, etc.



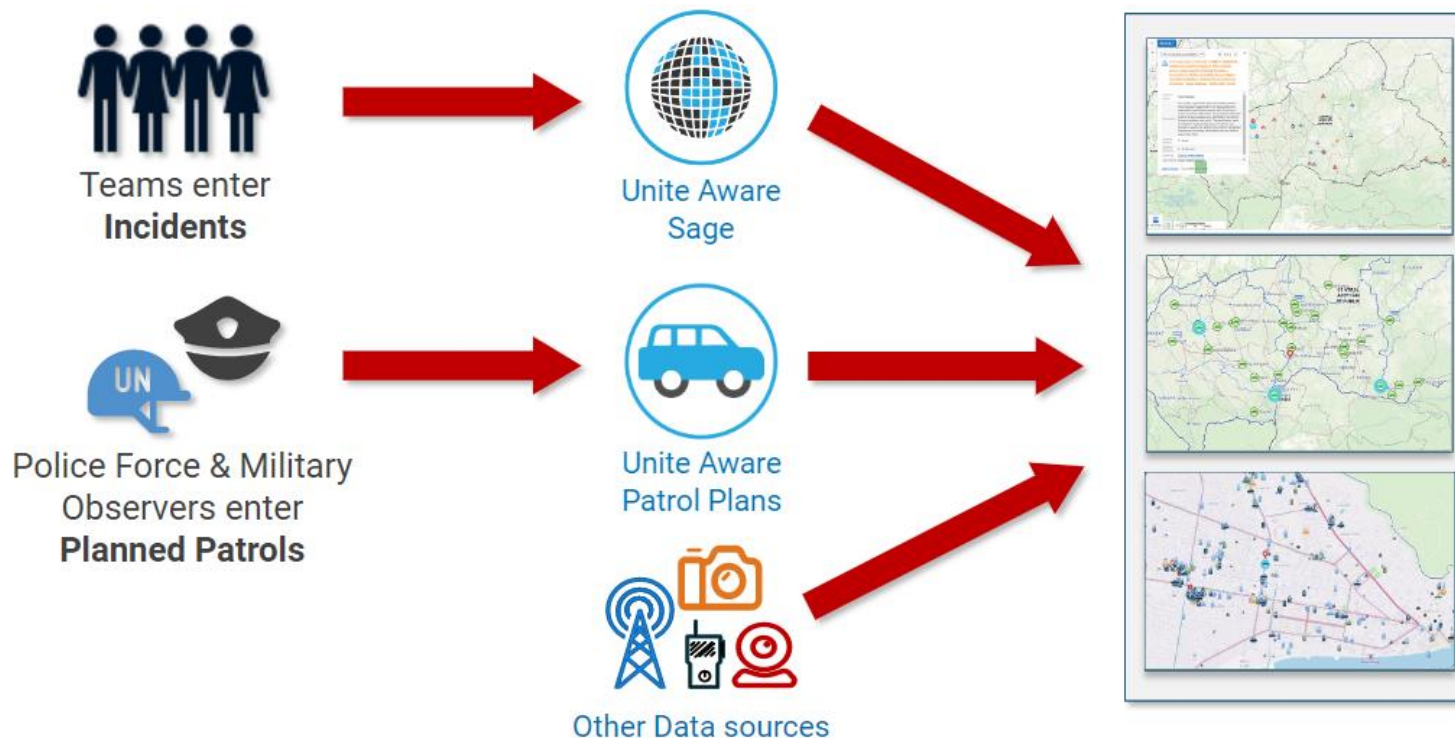
UA Sage: Incidents and Events



- Capture and collect information regarding incidents and events
- Ensures the validity of data, improves accuracy, and avoids data duplication
- Data entered can be visualized on maps or displayed on reports and dashboards to support timely decision-making



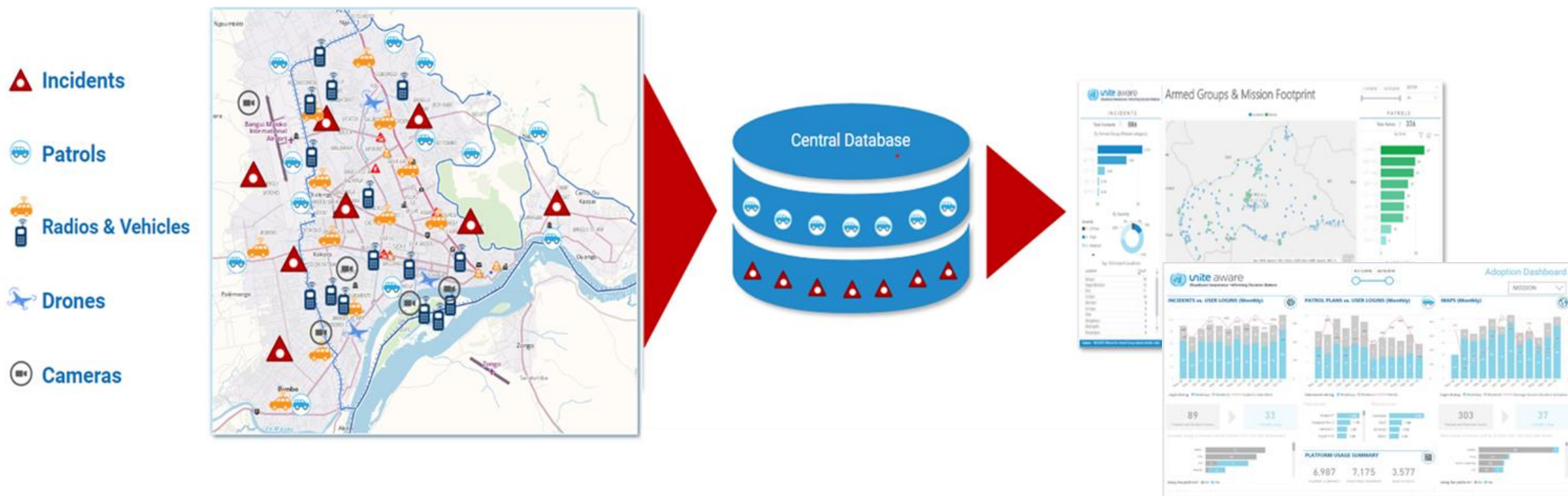
UA Maps



Pulls data entered by different teams in other UA applications and other data sources, and presents this data in a visual and contextual format on a map



UA Dashboards



- Data is collected through Sage, Patrol Plans and other sources, it is saved in a Central Database
- This data is used to create dashboards and reports: Mission Footprint, DSR, statistics of Patrols, etc.





Main Benefits of UA

Easy to access critical Information

The screenshot displays two panels from the UNMO STM 2025 interface. The left panel shows an incident report for 'All Incidents/Events(SAGE) | #22020 - Harassment/intimidation/Threat of violence, Illegal checkpoint, Extortion / illegal tax collection, Violations of military free zone, Military Operations, Improvi... - Zémio, Haut Mbomou, Zémio, Central African Republic (HDL) - 20/05/2019 00:00'. The incident description states: 'On 20 May 2019, FO Obo was informed that in Zémio, One of the UPC member had an argue with a local person of Zémio on the issue of paying back money after buying three boxes of cigarettes days before. The UPC member implemented force to take a bicycle of the individual. Following the intervention of the Chairperson of trader's association of Zémio, UPC member returned the bicycle but he forcefully took 10,000 CFA from same individual. In addition, UPC members continued collecting illegal taxes at the border of DRC and CAR, at Mbomou River crossing in Zémio. [Comment: There are continuously violations of APPR in Zémio by UPC members.]'. The incident severity is '2 - Low' and the incident credibility is '4 - Probably True'. The right panel shows a 'Planned Patrol | Medium Range Patrol (MRP) - Patrol Plan 3688' for the date '2019-05-15'. The patrol details include: ETD '15 mai 2019 00:50', ETA '15 mai 2019 06:30', Number of Vehicles '2', Composition 'Light Vehicle', Composition 'SC-Kaga-Bandoro-Batallian HQ-Pakistan', Area of Interest 'Area Domination Patrol', Itinerary 'Kaga-Bandoro, Kagas, Central African Republic [19.191542916767,6.9903799732523]; Ndomete, Central African Republic [19.189662141186,6.9055758382494]', and Remark 'Assessment of security situation upto 21 kms Completed'. Both panels include a map showing the location of the incident and the patrol route.

Incident Details:

- Location Name:** Zémio, Haut Mbomou, Zémio, Central African Republic (HDL)
- Description:** On 20 May 2019, FO Obo was informed that in Zémio, One of the UPC member had an argue with a local person of Zémio on the issue of paying back money after buying three boxes of cigarettes days before. The UPC member implemented force to take a bicycle of the individual. Following the intervention of the Chairperson of trader's association of Zémio, UPC member returned the bicycle but he forcefully took 10,000 CFA from same individual. In addition, UPC members continued collecting illegal taxes at the border of DRC and CAR, at Mbomou River crossing in Zémio. [Comment: There are continuously violations of APPR in Zémio by UPC members.]
- Incident Severity:** 2 - Low
- Incident Credibility:** 4 - Probably True

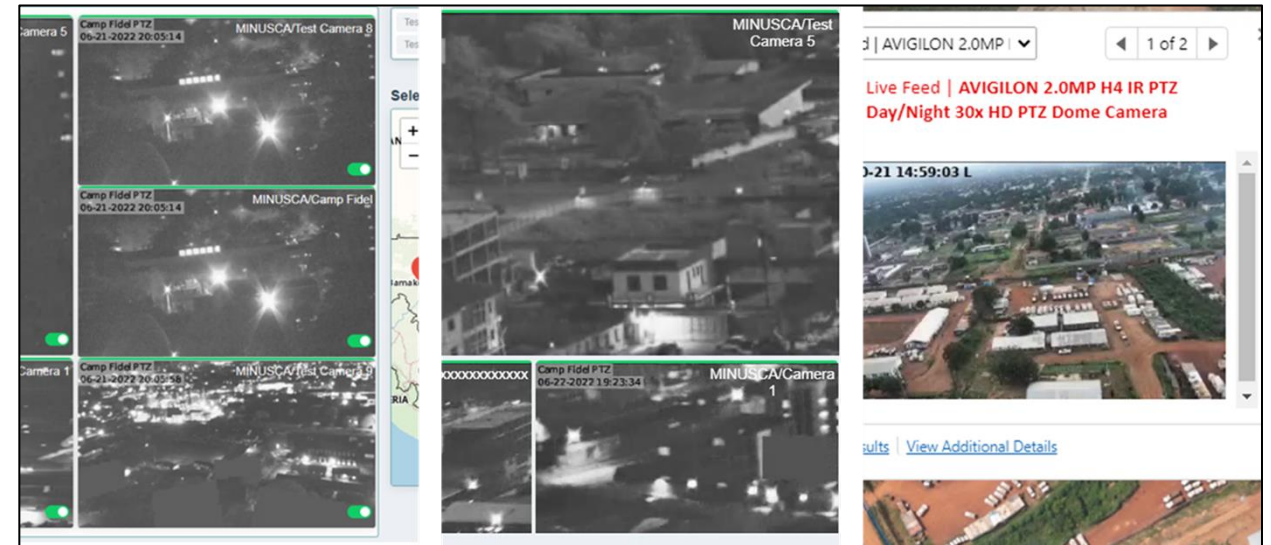
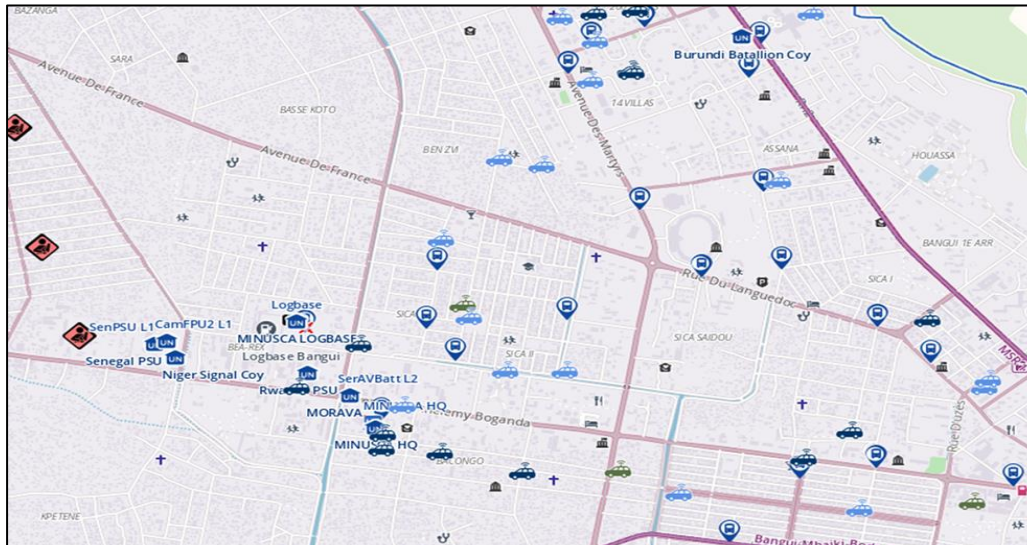
Planned Patrol Details:

- Planned Patrol | Medium Range Patrol (MRP) - Patrol Plan 3688**
- Patrol Date:** 2019-05-15
- ETD:** 15 mai 2019 00:50
- ETA:** 15 mai 2019 06:30
- Number of Vehicles:** 2
- Composition:** Light Vehicle
- Composition:** SC-Kaga-Bandoro-Batallian HQ-Pakistan
- Area of Interest:** Area Domination Patrol
- Itinerary:** Kaga-Bandoro, Kagas, Central African Republic [19.191542916767,6.9903799732523]; Ndomete, Central African Republic [19.189662141186,6.9055758382494]
- Remark:** Assessment of security situation upto 21 kms Completed



Main Benefits of UA

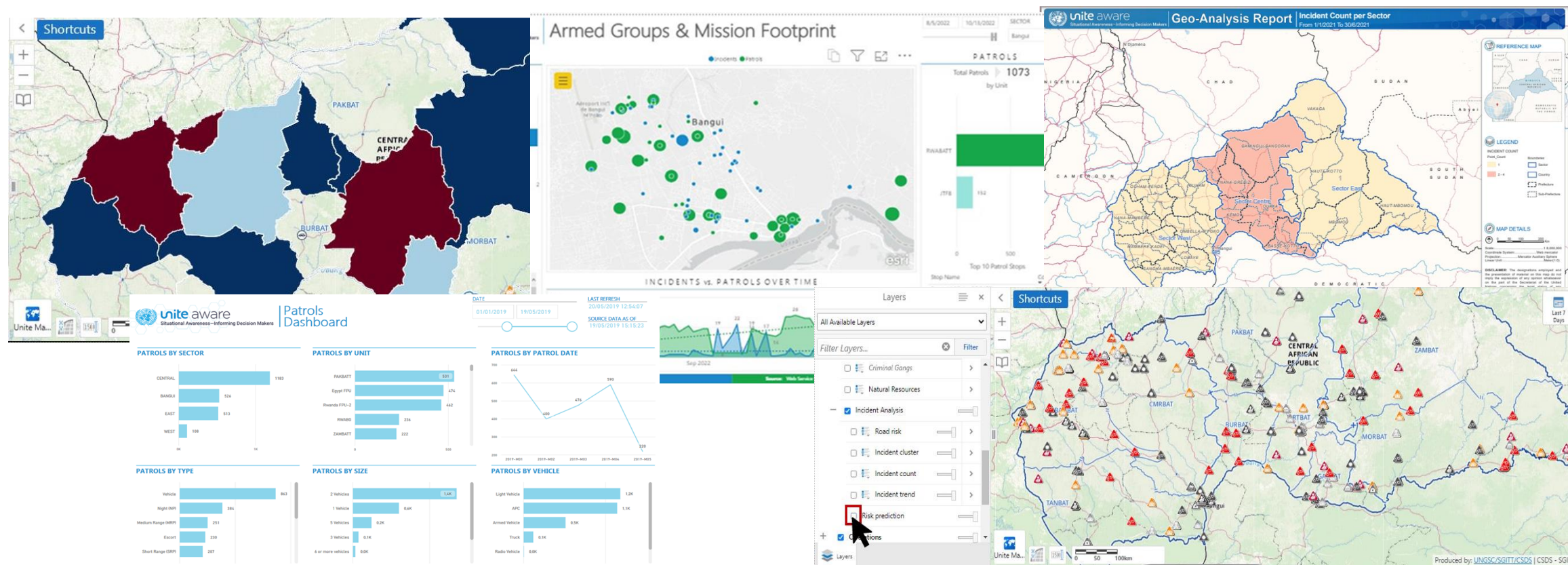
- Live Vehicles, personnel and aircraft tracking
- Live video feeds: CCTV and UAVs





Main Benefits of UA

Business Intelligence





Main Benefits of UA

unite aware

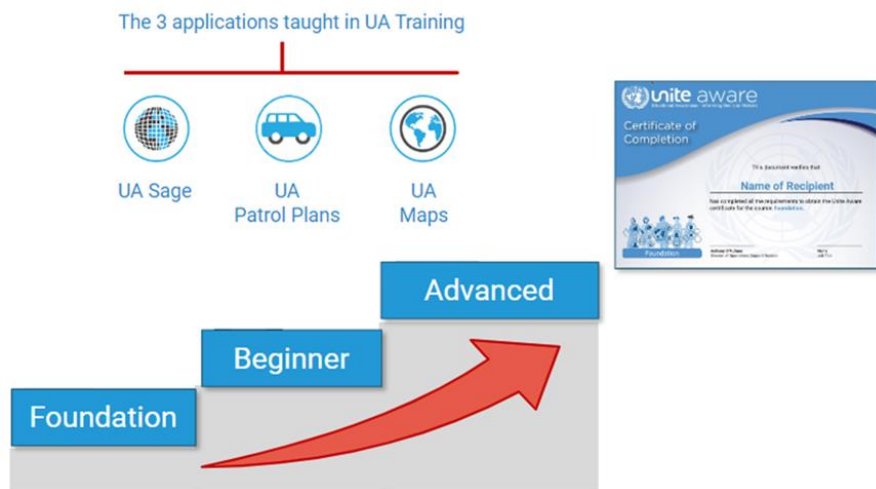


- Supports Patrol Planning, Reporting, and decision-making
- Standardises the data collection process
- Increases awareness of incidents and events
- Presents and shares information securely, intuitively, and in a timely manner



UA Training

- UA Training provides 7 online courses for uniformed personnel to explain how UA Patrol Plans, UA Sage and UA Maps are used
- The courses are sequentially organized in different levels, with certificates awarded after their completion



Summary of Key Messages



- Situational Awareness supports leadership by providing priority information to facilitate decision-making and crisis management
- UA was developed as a cohesive suite of tools, applications, and devices designed to aggregate data sources and support decision-making
- Benefits of UA for field missions:
 - Standardises the data collection process
 - Enhances awareness of incidents and events
 - Presents and shares information securely, intuitively, and in a timely manner
 - Supports decision-making



Learning Activity 1

Plenary Quiz (True or False)

1. Situational Awareness is the ability to provide decision-makers with timely, accurate, and actionable crisis-related information regarding the nature and complexity of the situation, any secondary effects, threats to staff and facilities, and the effectiveness of response and recovery actions.

() True

() False

Learning Activity 1



2. The main benefits that UA offers to UNMO and field missions:

- Supports Patrol Planning, Reporting, and decision-making.
- Standardises the data collection process.
- Increases awareness of incidents and events.
- Presents and shares information securely, intuitively, and in a timely manner.

() True

() False

Learning Activity 1



3. UA contains these core applications, which provide different functions and complement each other to enhance situation awareness:

- UA Sage
- UA Patrol Plans
- UA Maps
- UA Reports

() True

() False



Learning Activity 2

Group discussion

Total Time: 15 min

Preparation: 8 min

Discussion : 7 min

1. Explain the importance of situation awareness in a UNPKO environment
2. Explain how UA supports UNMO and the decision-making process at UNMO TS in coordination with FHQ and SHQ levels
3. Describe the core applications of UA for UNMO