

**INCORPORATING**

**BORDER SECURITY  
REPORT**

# **WORLD SECURITY REPORT**

Official Magazine of



International Association of  
**CIP Professionals**

SEPTEMBER / OCTOBER 2018

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**FEATURE:**

**Preparing for the Worst**

PAGE 7

**FEATURE:**

**PGI Risk Analysis**

PAGE 12

**FEATURE:**

**Addressing New Security  
Challenges at Airports**

PAGE 17

**NATURAL DISASTERS 2017 REPORT  
IS PUBLISHED**





# critical infrastructure PROTECTION AND RESILIENCE EUROPE

2<sup>nd</sup>-4<sup>th</sup> October 2018

The Hague, Netherlands

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UN Member States need "to share information [...] to prevent, protect, mitigate, investigate, respond to and recover from damage from terrorist attacks on critical infrastructure facilities, including through joint training, and use or establishment of relevant communication or emergency warning networks."



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- Andrew Palmer, Border Security Lead, Gatwick Airport
- Bharat Thakrar, Head of Business / Cyber Security Resilience, BT Global Services
- Mirjam van Burgel, Researcher Tele-Vulnerability, Radiocommunications Agency Netherlands
- Catherine Piana, Director General, CoESS – Confederation of European Security Services
- Mia Wannowitz, Research Associate, United Nations University, Institute for Environment and Human Security (UNU-EHS)
- Eva Stock, Research Consultant, German Federal Office of Civil Protection and Disaster Assistance
- Ivana Cesarec, Senior Advisor for Prevention Activities National Protection and Rescue Directorate Republic of Croatia
- Alexandru Georgescu, Researcher, ROMSPACE
- Assistant Professor Robert Mikac, Faculty of Political Sciences, University of Zagreb, Croatia

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### Leading the debate for securing Europe's critical infrastructure

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# CONTENTS

## WORLD SECURITY REPORT



» p.5

### 5 NATURAL DISASTERS 2017 REPORT HAS JUST BEEN PUBLISHED

In 2017, 335 natural disasters affected over 95.6 million people, killing an additional 9,697 and costing a total of US \$335 billion.

### 7 PREPARING FOR THE WORST

When flood waters strike a community, be that in Europe, Asia, Africa, or the Americas a trail of devastation follows.

### 12 PGI RISK ANALYSIS

The latest Risk Analysis Report brought to you by PGI.

### 15 ASSOCIATION NEWS

News and updates from the International Association of CIP Professionals.

### 17 ADDRESSING NEW SECURITY CHALLENGES AT AIRPORTS

Security measures at airports have evolved over time to adapt to the new challenges of today's society.

### 19 WIRE-LINE WELL LOGGING

Convergent Technologies looks at some of the US regulatory issues around the protection of radioactive materials within the oil and gas industry..

### 22 AGENCY NEWS

A review of the latest news, views, stories, challenges and issues from enforcement agencies.

### 24 INDUSTRY NEWS

Latest news, views and innovations from the industry.

### 29 EVENT CALENDAR

Upcoming security events for your diary.



» p.12



» p.17



» p.19



# THE AWESOME POWER OF NATURE



As this magazine went to press, once again we have witnessed the awesome power of nature wreak havoc across vast areas of the US and Asia.

In the US, 17 people are so far believed to have been killed and tens of thousands left stranded in rescue centres around the Carolina's. Historic flood levels have caused power outages and have left at least 650,000 homes without electricity.

In Asia, Typhoon Mangkhut smashed first into the northern tip of the Philippines and north-eastern Luzon, leaving a large swathe of destruction of roads and bridges and shutting down electricity in at least eight provinces. It is one of the most

powerful storms to hit the region in decades, killing 100 people or more in the Philippines and is now causing widespread death and destruction in China.

The long-term trend indicates that the length and intensity of storms worldwide will worsen over time, making it more important than ever that we secure vital infrastructure, not only from the threat of terrorism, but from the immediate threat posed by our changing weather patterns.

In an increasingly connected world, almost everything we do is dependent upon networks, and networks upon power. Whether it's foodstuffs in the shops or fuel at the pumps, almost everything we need is delivered on a "just-in-time" basis, which relies on networked communications. In our homes everything from our communications to the outside world, to the water in our taps are all dependent on a reliable and resilient power grid.

We can't do anything to stop nature's annual show of strength, but surely when we can run power and communications under the oceans, we can certainly do more to secure the power grid from some of the weather's worst effects?

Tony Kingham  
Editor

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World Security Report is a bi-monthly electronic, fully accessible e-news service distributed to over 130,000 organisations globally. It tracks the full range of problems and threats faced by today's governments, armed and security forces and civilian services and looks at how they are dealing with them. It is a prime source of online information and analysis on security, counter-terrorism, international affairs, warfare and defence.



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**2<sup>nd</sup>-4<sup>th</sup> Oct 2018**  
The Hague,  
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**critical infrastructure**  
PROTECTION AND  
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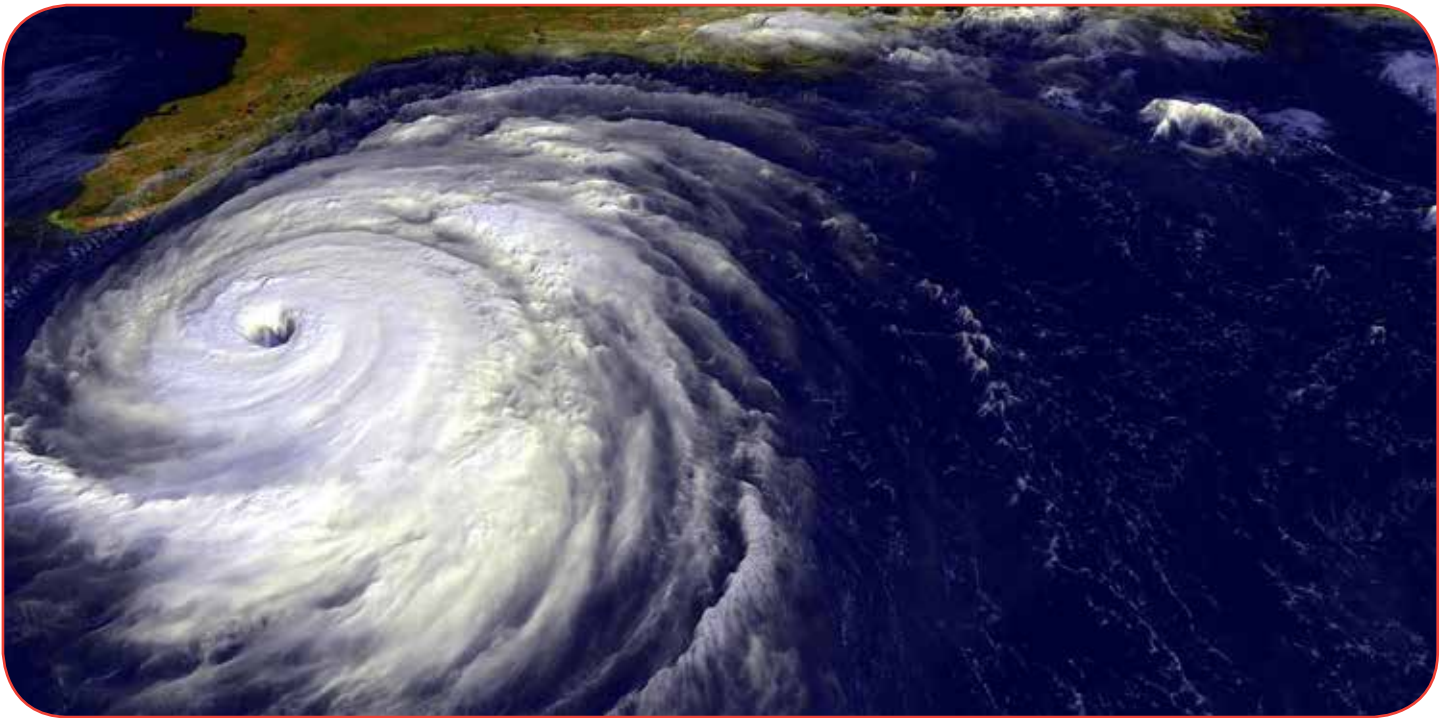
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**19<sup>th</sup>-21<sup>st</sup> Mar 2019**  
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## Natural Disasters 2017 Report has just been published



In 2017, 335 natural disasters affected over 95.6 million people, killing an additional 9,697 and costing a total of US \$335 billion. This burden was not shared equally, as Asia seemed to be the most vulnerable continent for floods and storms, with 44% of all disaster events, 58% of the total deaths, and 70% of the total people affected.

Despite this, the Americas reported the highest economic losses, representing 88% of the total cost from 93 disasters. China, U.S., and India were the hardest hit countries in terms of occurrence with 25, 20, and 15 events respectively. Given the large land mass of each country, these results are not surprising.

Compared to the previous decade (2007-2016), there were fewer natural disasters, deaths, and total people affected in 2017, but with a higher price tag. Number of natural disasters in 2017 were similar to the annual average of 354 events, below the average of 68,273 killed

per year, and well below the 210 million annual average people affected. In terms of economic losses however, there was a 49% increase than the previous average of \$141 billion.<sup>1</sup> After 2011, characterized by a devastating earthquake/ tsunami in Japan, 2017 was the most expensive year in the decade due to a series of powerful hurricanes across the U.S. and the Caribbean. These include Hurricane Harvey, Hurricane Irma, and Hurricane Maria, costing \$95 billion, \$80.7 billion, and \$69.7 billion respectively. When looking at types of events, 2017 was characterized by a higher

number of reported storms with 127 compared to the annual 98 average. Similar patterns were seen with wildfires, with 15 compared to the annual 9 average, and landslides, with 25 compares to the annual 17 average.

Mortality is quite low compared to the annual average of the last decade of 68,273. This is likely due to three events with very high mortality: the 2010 earthquake in Haiti (222,500 deaths); the 2008 Cyclone Nargis in Myanmar (138,000 deaths); and the 2008 Sichuan earthquake (87,000 deaths). The deadliest event in 2017 was the landslide in Sierra





Leone in August, with 1,102 reported dead or missing, followed by Cyclone Okchi in December with 884 reported dead or missing in India and 27 deaths in Sri Lanka. Notably, these two events are characterized by a high number of missing, representing over half of the total death toll.

Specifically for the African and American continents, the 2017 mortality is higher than the 10 years average due to the occurrence of the landslide, earthquake (mentioned below), and hurricanes. These figures do not consider the revised death toll of Hurricane Maria in Puerto Rico from 64 deaths to 4,645 excess deaths,<sup>2</sup> or more recently 2,975

excess deaths.<sup>3</sup> Additionally, although the total affected, 95.6 million, is well below the yearly average of the last decade of 210 million, Africa and the Americas have a greater proportion of people affected than the yearly average.

In terms of disaster events reported, the year was characterized by a record hurricane season with heavy losses, both economic and human, with at least 340 dead or missing for the 3 main hurricanes: Irma, Maria, and Harvey. In addition to hurricanes, losses were also seen as a result of two major earthquakes: one in September in Mexico with 369 fatalities and one in November in

Iran/ Iraq with at least 450 fatalities. Additionally, two strong wildfires in Portugal contributed to the human cost, with 64 fatalities in June and 45 fatalities in October. A single flood killed 834 people and affected almost 27 million people in August in India, Nepal and Bangladesh, and in China, 12 million were affected by a flood during the Mei-Yu season.

The data reported above suggest an emerging trend in natural disaster events demonstrating lower mortality but higher cost.



## Preparing for the Worst



When flood waters strike a community, be that in Europe, Asia, Africa, or the Americas a trail of devastation follows; lives are lost, livelihoods wrecked, homes are ruined, and critical infrastructure destroyed. The effects and damage to that community will remain long after the emergency services, relief efforts or international aid have patched up the damage and gone home.

Damage or disruption to any Critical Infrastructure whether it is water treatment plants, electricity substations, transportation networks, communication systems, or medical services will inevitably lead to other significant secondary consequences including; malfunctioning emergency services, lack of power to hospitals, stranded populace, contaminated food stocks, and water borne diseases.

With every will in the world, relief efforts, and international aid, are just that; relief and aid. Perhaps, now, it is time for us to find a way of instead of looking at how to get emergency aid to the areas

affected once a disaster strikes, why not look at how help can be offered immediately that disaster strikes, by preparing for it before it happens!

It is a fact that our world's weather is changing.

The UN Office for Disaster Risk Reduction (UNISDR) 20-year review produced jointly with the Belgian-based Centre for Research on the Epidemiology of Disasters (CRED) demonstrated that since the first Climate Change Conference (COP1) in 1995 (until 2015), 606,000 lives have been lost and 4.1 billion people have been

injured, left homeless or in need of emergency assistance because of weather-related disasters. With the USA, China, India Philippines and Indonesia recorded the most.

Floods accounted for 47% of all weather-related disasters from 1995-2015, affecting 2.3 billion people and killing 157,000. Storms were the deadliest type of weather-related disaster, accounting for 242,000 deaths or 40% of the global weather-related deaths, with 89% of these deaths occurring in lower-income countries.

Ms. Margareta Wahlström, United Nations Special Representative of the Secretary-General for Disaster





# critical infrastructure PROTECTION AND RESILIENCE AMERICAS

December 4<sup>th</sup>-6<sup>th</sup>, 2018  
Tampa, Florida, USA

The ever changing nature of threats, whether natural through climate change, or man-made through terrorism activities, either physical or cyber attacks, means the need to continually review and update policies, practices and technologies to meet these growing demands.

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Presidential Policy Directive 21 (PPD-21): Critical Infrastructure Security and Resilience advances a national policy to strengthen and maintain secure, functioning, and resilient critical infrastructure. This directive supersedes Homeland Security Presidential Directive 7.

### We must be prepared!

All Federal department and agency heads are responsible for the identification, prioritization, assessment, remediation, and security of their respective internal critical infrastructure that supports primary mission essential functions. Such infrastructure need to be addressed in the plans and executed to the requirements of the National Continuity Policy.

Join us in Tampa, Florida for the premier event for operators and government establishments tasked with the regions Critical Infrastructure Protection and Resilience.

The conference will look at developing on the theme of previous events in helping to create better understanding of the issues and the threats, to help facilitate the work to develop frameworks, good risk management, strategic planning and implementation.

For more information and online registration visit [www.ciprna-expo.com](http://www.ciprna-expo.com)

**Leading the debate for securing America's  
critical infrastructure**

### Confirmed speakers include:

- Chauncia Willis, Emergency Coordinator, City of Tampa
- Brian Harrell, Managing Director, Enterprise Protective Services, Duke Energy Corporation
- Fred Ruanavar, Chief DISA/DoDIN
- Michael Cotton, National Telecommunications and Information Administration (NTIA), Institute for Telecommunication Science (ITS)
- Jessica Yuzwa, Project Administrator, Franklin County Office of Homeland Security and Regional Communications, Ohio
- David Alania, International Expert/Adviser, Georgia
- Jeff Gaynor, President, American Resilience
- Deborah Kobza, President, International Association of Certified ISAOs (IACI)
- Michael Hamilton, Founder and President, Critical Informatics
- Peter Murphy, Director and Co-founder, Noetic Corporation
- John Esquivel, Senior Director, AECOM
- Christian Morin, VP Cloud Services & CSO, Genetec

For speaker line-up visit

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Risk Reduction said: *"Weather and climate are major drivers of disaster risk and this report demonstrates that the world is paying a high price in lives lost. Economic losses are a major development challenge for many least developed countries battling climate change and poverty."*

Throughout the world now we have amazing weather centres, providing forecasting the likes of which we have never seen.

We have access to reliable, recorded historical data now.

We know for instance that Bangladesh will be affected every year by the devastating effects from their annual monsoon season, which is exacerbated by the cyclones which cause coastal flooding, meltwater from the Himalayas, deforestation and increasing urban areas, and that the US will go through Hurricane season every year.

Even as I write this article the UNHCR (United Nations Refugee Agency) is continuing to deal with the effects from the continuing heavy monsoon rains that have hit Bangladesh with the heaviest monsoon rainfall so far this year being around 463mm on the 25th July 2018, the USA is preparing for Hurricane Florence to make landfall, with the prediction of life threatening storm surges of up to 12 foot along the coasts and up to 30 inches of rain, an estimated 1 million people are evacuating the east coast and a super typhoon Mangkhut is currently in the Pacific and heading to Hong Kong where latest Tropical Cyclone Warning Bulletin issued by the Hong Kong Observatory. The Standby Signal, No. 1 is in force. This means that a tropical cyclone now centred within about 800 kilometres of Hong Kong. The tropical cyclone warning



is however expected to reach Level 10 over the coming hours, and days.

Margareta Wahlström, United Nations Special Representative of the Secretary-General for Disaster Risk Reduction said, *"Access to information is critical to successful disaster risk management. You cannot manage what you cannot measure."*

In May this year, a ground-breaking new humanitarian fund designed to mitigate and even prevent the damage and trauma caused by natural disasters such as flooding was launched by the International Federation of Red Cross and Red Crescent Societies, (IFRC)

Forecast-based Action Fund uses a combination of weather predictions and historical data to fix triggers for the automatic release of money for pre-agreed early action plans.

For example, a combination of forecast rainfall combined with the level of a river at a certain point can be used to activate funding for downstream evacuations and the distribution of shelter kits for the people who have been moved to safer ground. It is embedded within IFRC's Disaster Relief Emergency Fund (DREF), a 25-30 million Swiss franc annual fund which has been supporting

Red Cross and Red Crescent emergency response efforts for more than three decades.

*"We think this is a game-changer, not only for the Red Cross and Red Crescent, but for humanitarian action as a whole," said Pascale Meige, IFRC's Director of Disaster Prevention, Response and Recovery. "Our new forecast-based action fund means that guaranteed money will be available to help communities prepare for a disaster before it strikes."*

*"For decades, humanitarians have been calling for a shift to proactive and preventative humanitarian action, but such action has so far been sporadic. For the first time, this fund, and the work we are doing to build country-level plans and agreements, can consistently deliver on this promise – turning promises into action."*

*"It means that life-saving action can now take place before anyone is in immediate danger, which will save lives and reduce the need for more costly emergency response and recovery efforts."*

The Forecast-based financing approach – now being rolled out by IFRC at national level – has been piloted at community level since 2014, including in Peru, Togo, Uganda, Bangladesh,

Mozambique and Mongolia. In Bangladesh, predicted flooding of the Bramaputra river in 2017 triggered cash grants for people who were able to use this money to support their families during the emergency.

Whilst the Bangladeshi monsoon floods on the 25th July 2018, were the strongest test of the UNHCR monsoon mitigation measures and emergency response, including relocation, post disaster kits, shelters replaced, and new tarpaulins supplied. The Cox's Bazar settlements largely weathered the storms, proving the value of months of mitigation efforts, with no deaths reported in the refugee sites. 60 potentially life-threatening incidents and others averted through swift action.

Fifteen National Red Cross and Red Crescent Societies in Africa, Americas and Asia Pacific are currently developing Early Action Protocols for foreseeable and preventable natural disasters and are expected to access the fund in its first two years. However, the facility can be available for all 190 National Societies.

According to the International Federation of Red Cross and Red Crescent Societies (IFRC) in 2008 1.2 million people felt the impact when the Brahmaputra River of north eastern India and Bangladesh pushed over its banks

The National Disaster Reduction Centre of China (NDRCC) reports that as of 15th August 2017 and confirmed by the Bangladesh Red Crescent Society (BDRCS) own source; 3,917,184 people are affected following the 4th flood of 2017. Approximately 531,517 Houses have been damaged by this flood. There were 1,392 temporary shelters; where 282,



*Floodgate's removable flood protection*

479 peoples have taken shelters. 309,542 hectares of crop at that date had already been damaged.

Flood Forecasting in Bangladesh is done by the Flood Forecasting and Warning Centre (FFWC) under the ministry of Water Resources. The FFWC uses both deterministic and probabilistic forecasts and they cover about 60% of the flood affected areas. Including Bogra one of the FbF (Forecast based Financing) pilot sites.

The government of Bangladesh is working toward its 'Vision 2041,' which outlines plans to have a strong and developed economy and to generate 60,000MW of electricity (4 times its current capacity) by 2041. It aims to provide access to electricity for its population of around 165 million, by 2021, and has invested some 30million USD in its electricity infrastructure to meet vision.

Bangladesh obviously has a unique set of natural phenomena linked with effects of current lifestyles, that culminates in a worsening of effects with every passing year. But, there are many, many ways available to limit the devastating effects of flooding to communities and critical infrastructure alike

with a little prior warning of a catastrophic event. A quick search of the internet will bring up many companies offering a range of flood protection products, from the tried and tested, to the weird and wonderful. The following companies all are tried and tested, and have a pedigree in their own right.

UK Company, Floodgate supply a completely removable, flood protection door barrier which can be used singly, or joined together. Floodgates comprise of a 25mm thick, boxed steel frame covered by a 7mm thick blue neoprene cover. A jacking mechanism attached to the rear of the frame allows both the frame and cover to expand telescopically widthways into the walled area (the reveal) immediately in front of the door. Four bolts situated along the bottom edge of the frame are then adjusted to provide a seal along the ground. Due to its unique



*Van den Noort Innovations Self Closing Flood Barrier*





Chemtex Grab &amp; Go Flood Control Kit

water levels in rivers and other inland waterways. The SCFB can be built on the top of a dike or quay to protect inhabited as well as industrial or other strategical areas.

Chemtex in the USA manufacture a "Chemtex Grab & Go Flood Control Kit". This kit is designed for quick and easy

deployment when timing means everything. The compact container takes up minimal space and is ideal for rapid emergency deployment. Self-activating flood barriers simply expose them to fresh water. They absorb water and grow to full size at 3.5' high in 5 minutes. Swelled barriers contain and divert flood water. Leave in place for ongoing protection. Lasts for up to 8 months of continuous use. Safe, non-hazardous and nontoxic, environmentally friendly and decomposes over time. Store in a closet, cabinet, vehicle or elsewhere. The bucket can be used to pre-activate your H2O Dams/ Flood Barriers — just add water to the bucket and go!

J&S Franklin manufacturers of the DefenCell Flood Protection



DefenCell Flood Protection Barrier

Barrier has been proven in the US in a flood protection role when the town of Smithland, Kentucky, USA, which is situated at the confluence of the Ohio and Cumberland Rivers had to deal with a record surge in river levels. The Louisville Office of the U.S. Army Corp of Engineers (USACE) requested an emergency installation of a DefenCell Flood Protection Barrier.

Within 24 hours, 3 miles worth of DefenCell Flood Wall units were delivered.

Within an hour of delivery, small teams were able to start placing, connecting and filling the systems. After just two hours, installation was being achieved at a rate of 20+ units per hour, (Equivalent to 22,196 sand bags in the initial three hours after delivery.)

In 34 hours, more than 10,500 linear feet of DefenCell Flood Walls had been installed, over 700 units were filled with more than 4,700 tons of sand, by a willing and enthusiastic but untrained, local workforce. The barrier was more than one mile in length, adding an extra four foot of flood protection height to the Smithland levee.

*Now this isn't the answer to all the floods around the world, but just see what you can do with a little prior warning, pre-preparation and knowledge.*

*Karen Kingham, Features Editor*

## PGI Risk Analysis



This Risk Analysis Report has been brought to you by PGI [www.pgiti.com](http://www.pgiti.com) and PVI [www.pvilt.com](http://www.pvilt.com), global leaders in cyber security, maritime security, intelligence, geopolitical risk and training.



### Colombia: Authorities seize submarine with 748 kg of cocaine near Gorgona island

The navy intercepted a semi-submersible submarine carrying 748 kg of cocaine near Gorgona island. Authorities arrested four Colombian crew members. Reports did not specify the group affiliation of the arrested suspects. Authorities regularly seize cocaine shipments intended for Central America and the US.

### Egypt: Authorities arrest two on smuggling charges at Port Said

Authorities from the Port Said Security Directorate detained two Egyptian nationals on charges of smuggling foreign-manufactured goods through the port. One of those detained was a local import-export businessman while the other was a driver set to collect the

goods, which consisted of 1,000 kg of clothes. The two had failed to pay the required customs duties on the shipment.

### Gabon: Tbilisi confirms 17 sailors missing after contact with tanker lost off Libreville

The Georgian government confirmed that an investigation is underway after 17 Georgian sailors went missing off the coast of Gabon since 14 August when all contact with their ship was lost as it was sailing off Libreville. The Panama-flagged chemical tanker MT Pantelena was around 18 nm off Libreville when all contact was lost although it is unclear what happened to the vessel and its crew.

PGI Analysis: Although piracy in the Gulf of Guinea is common, incidents off Libreville are rarely reported. Most

attacks are concentrated 10-150 nm off the coast of Nigeria, although there is precedent for incidents further south off Sao Tome and Principe.

### Israel: Navy intercepts Gaza-bound activist boat

The Israeli navy intercepted a Swedish-flagged activist boat in international waters bound for Gaza. The military released a statement that the boat violated the naval blockade and that any humanitarian aid should be directed through Ashdod port. Activists said the boat was carrying medical supplies. The UN has called for the blockade to be lifted to due to the deteriorating humanitarian situation in Gaza.

### Iran: IRGC reports full control over Gulf and the Strait of Hormuz



The head of the Islamic Revolutionary Guard Corps' naval division, General Alireza Tangsiri, said Iran now has full control over the Gulf and the Strait of Hormuz, according to local private news agency Tasnim. Tehran has previously threatened to block the strait, a major oil shipping route, in retaliation for any hostile action against Tehran by the US. The announcement comes ahead of the re-imposition of US sanctions targeting Iran's oil and gas industry on 5 November.

#### Italy: Authorities disembark 150 migrants, interior minister under investigation

Port authorities allowed 150 migrants to disembark from a ship which had been docked for five days at the Port of Catania over the government's refusal to let the migrants enter Italy. Interior minister Matteo Salvini had refused to let the migrants enter until other EU countries agreed to take some in. Ireland, Albania and the Vatican reportedly accepted to

house the migrants. In response to the incident, a prosecutor in Sicily filed kidnapping, abuse of power and illegal arrest charges against Salvini.

#### Malaysia: Authorities rescue kidnapped fishermen from Thai pirates

Thai authorities announced that they had rescued the last four of a group of 11 Malaysian fishermen kidnapped by a group of armed men off the coast of Pulau Langgun, an island located near the border between Malaysia and Thailand. The fishermen were robbed and captured on 19 August. Malaysia's Marine Operations Force rescued seven of the fishermen later the same day. Four of the kidnappers are in police custody.

PGI Analysis: The incident marks the first report of fishermen being abducted in the region and unconfirmed sources reported that pirates had sought to swap the fishermen for four of their accomplices

detained by maritime police. Police have raised concerns criminals could look to target tourist boats and yachts in the area. The Langkawi Tourism Organisation has called for security to be stepped up in the region and said it had received reports of assailants stealing speedboats in the area.

#### Malaysia: Suspected militants kidnap two fishermen off Sabah state

Police reported that two fishermen were kidnapped by suspected members of Islamist militant group Abu Sayyaf Group (ASG) in the waters off Semporna in Sabah state in the early hours on 11 September. Four crew members were on a fishing vessel docked at the Pulau Gaya jetty when the kidnapping reportedly took place during curfew hours at approximately 0100 hrs local time. Some reports indicated three fishermen had been kidnapped and that an initial probe showed that the masked kidnappers were carrying M16 rifles.

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OLYMPIA LONDON, 28 - 29 NOVEMBER 2018

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**PGI Analysis:** If confirmed, the incident would be the first kidnapping by ASG militants in the region in over a year. The kidnapping comes weeks after suspected militants attempted to kidnap crew from a tugboat off Lahad Datu in Sabah state on 10 August and a similar attempt was reported off Basilan province in the Philippines in February, indicating the group have continued operations in the area. Authorities have implemented a series of curfews to combat the kidnappings by the group since July 2014 although ASG has conducted regular kidnappings targeting vessels in the Sulu and Celebes seas in recent years, particularly between March 2016 and March 2017.

**Mexico: Authorities seize 2,600 kg of cocaine from semi-submersible**

Mexican authorities seized 2,600 kg of cocaine from a semi-submersible vessel in an undisclosed location in the Pacific Ocean. Authorities arrested three drug traffickers, two Colombian nationals and one Ecuadorian. Officials believe the vessel was attempting to smuggle cocaine into the US where the market value of the drug is significantly higher than in Mexico.

**Nigeria: Armed robbers steal from vessel at Onne anchorage**

Four armed robbers boarded a merchant vessel at Onne Port Anchorage at 0240 hrs local time and stole cans of oil before leaving. Crew were later reported as safe.

**PGI Analysis:** Crime is rarely reported at Onne port, although this is likely due to a lack of capacity to formally report crime through recognised channels. Onne port is located in the restive Niger Delta region where armed criminal gangs perpetrate a range of violent and opportunistic crimes, making it likely that the actual crime rate at the port is higher than reported. However, Nigerian authorities have lowered the International Ship and Port Security (ISPS) Code level to a level 1 in April 2017, citing significant security improvements at Onne since 2016.

**Saudi Arabia: Riyadh resumes oil exports through Bab el-Mandeb**

Saudi Arabia announced that oil shipments transiting through the Bab el-Mandeb strait were to resume as of 2 August. Exports had been temporarily suspended after Houthi rebels launched attacks on two Saudi Very Large Crude Carriers in the Red Sea on 25 July, causing light damage to one of the vessels.

**PGI Analysis:** The announcement comes after the Houthi rebel group said that it would unilaterally halt attacks in the Red Sea for two weeks from 0000 hrs local time on 1 August to support peace efforts. The group said that the halt in naval military operations could be extended to all parts of Yemen if the Saudi-led coalition fighting against the rebel group reciprocates. The group has repeatedly targeted Saudi vessels amid a coalition operation against the group in Hodeidah.

**Somalia: Police detain Mogadishu port officials for questioning**

According to local media, police detained several officials at Mogadishu port for questioning in connection with corruption allegations. Those arrested included the manager of the seaport customs office. Local media did not confirm details of the allegations.

**Togo: Update: Missing tanker docks in Lomé, crew reported safe**

Panama-flagged chemical tanker MT Pantelena, which went missing on 19 August off the coast of Libreville, has docked at Lomé port. Reports indicate that all 19 crew on board were safe. The ship's operator, Lotus Shipping, did not provide additional details on the reasons for the disappearance or on the ship's cargo. The crew were reportedly locked in a cabin for nine days, but were given food and water and were not physically harmed.

**PGI Analysis:** Kidnap-at-sea gangs operate in the Gulf of Guinea and have hijacked tankers and merchant vessels in recent years, predominantly with the aim of obtaining ransom for crew members. It remains unclear whether ransom was paid to secure the crew's release, although it is likely that this was the case.

**Yemen: Coalition foils Houthi speedboat attack in Red Sea**

The Saudi-led coalition announced it had thwarted a planned Houthi attack involving the use of explosives-laden speedboats against commercial vessels. The target and further details of the attack were not disclosed but the speedboat was reportedly launched from the Houthi-controlled Red Sea port city of Hodeidah.

**PGI Analysis:** The purported attack comes after Houthi forces used projectiles to attack two Saudi-oil tankers in the Red Sea, one of which suffered minor damage. In May, the Saudi-led coalition reported foiling a similar attack by remote-controlled speedboats loaded with explosives targeting commercial vessels in the Red Sea, including an oil tanker, underscoring the threat to maritime traffic off Yemen.







## Playing your part in the protection and resilience of our infrastructure and information

John Donlon  
Chairman  
International Association of CIP Professionals  
(IACIPP)

The first six months of 2018 have been quite significant from both a political and threat perspective. Quarter 2 of this year saw a number of terrorist incidents; 280 attacks across 32 countries and in May the Director General of MI5 in the United Kingdom delivered a clear message on the continued nature of the threats we all face when he stated 'Europe faces an intense, unrelenting and multidimensional international terrorist threat. Daesh continues to pose the most acute threat, but Al-Qaeda and other Islamist terrorist groups haven't gone away'.

A great deal of good work is going on globally to ensure that threats and vulnerabilities are being addressed. It is more important than ever in this rapidly changing, technologically advanced, world that we inhabit that we continue to try to stay ahead of the game in terms of our approach to security and resilience and none more so than within our critical infrastructure environments

As you are all no doubt aware a nation's critical infrastructure provides the essential services that underpin society and are a significant contributor to the economy, security, and health. Rapid globalization has presented us all with an abundance of economic opportunities but also a growing number of interconnected and diverse threats.

The risk environment affecting critical infrastructure is both complex and uncertain. Threats, vulnerabilities and consequences have all evolved over the past decade and infrastructure that has long been subject to the dangers associated with physical threats and natural disasters are now increasingly exposed to cyber risks which stems from the growing integration of information and communications within their operations.

I believe that our critical infrastructure will continue to be high on the list of targets for terrorist groups who are increasingly using their technical expertise to explore new methods of attacks. Many commentators are of the view that some, if not all, of critical infrastructure presents a relatively soft opportunity

to cause harm and disruption and within that the vulnerabilities around the technology employed to deliver our critical services continues to be an area of concern.

If we just examine the most recent breach to make global news headlines, at British Airways, where the motivation for accessing some 380,000 data records may well have been financial gain, can we begin to imagine the consequences if that level of activity was focused and successful on aircraft logistics and or the flight operating systems of the organisation.

Cyber security continues to become more prevalent and rightly so. In my last article I wrote of the significant efforts being driven on cyber matters within infrastructure across the ASEAN region. I am fortunate to be attending two more conferences this year on the protection and resilience of critical infrastructure, CIPRE in The Hague in October and CIPRNA in Tampa, Florida in December. I will watch with interest to see the level of concerns that are articulated on such vulnerabilities and the innovations being developed across these regions in tackling those concerns.

### Latest IACIPP Poll Results

Where do you see cybersecurity certification of Operational Technology's (ICS / Scada) components fit best?

Energy	- 17%
Transport	- 9%
Telecomms	- 9%
Defense	- 4%
None of Them	- 4%
Nuclear	- 0%
All of Them	- 57%

**The International Association of Critical Infrastructure Protection Professionals (IACIPP) is delighted to announce the appointment of Brian Harrell as Operator Relations Director, North America**



Brian Harrell is a Senior Fellow at The George Washington University, Center for Cyber and Homeland Security (CCHS) where he serves as an advisor on infrastructure protection and cybersecurity

policy initiatives. Brian is also currently the Managing Director of Enterprise Protective Services (EPS) at the Duke Energy Corporation where he leads enterprise-wide corporate security efforts.

Brian is nationally recognized for his efforts on critical infrastructure protection, continuity of operations, and enterprise risk management. Prior to coming to Duke Energy, Brian was the President and Chief Security Officer at The Cutlass Security Group, where he provided critical infrastructure companies with consultation on risk mitigation, protective measures, and compliance guidance. He has been instrumental in providing strategic counsel and thought leadership for the security and resilience of the power grid and has helped in identifying and understanding emerging threats. Advising corporations throughout North America, Brian has worked to increase physical and cybersecurity mitigation measures designed to deter, detect, and defend critical systems.

Prior to starting his own firm, Brian was the Director of the North American Electric Reliability Corporation's (NERC) Electricity Information Sharing and Analysis Center (E-ISAC) and was charged with leading NERC's efforts to provide timely threat information to over 1900 bulk power system owners, operators, and government stakeholders. During his time at NERC, Brian was also the Director of Critical Infrastructure Protection Programs, where he led the creation of the Grid Security Exercise (GridEx), provided leadership to Critical Infrastructure Protection (CIP) staff, and initiated security training and outreach designed to help utilities "harden" their infrastructure from attack.

John Donlon QPM Chairman of the IACIPP said: I am delighted that Brian has accepted the position as Operator Relations Director, North America with us. Brian has a wealth of experience both as a security practitioner and in an oversight capacity, so he will be a tremendous asset to the organisation and the global CNI community. I'm also pleased to say Brian will be speaking this year's Critical Infrastructure Protection and Resilience, North America to be held in Tampa, Florida in December.

We will continue to welcome new members who share with us the desire to make the world a safer place.

Membership is currently free to government agencies and operators, so if you would like to become a part of our organisation, you can register at: <http://www.cipre-expo.com/iacipp-registration>

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# Addressing New Security Challenges at Airports



Security measures at airports have evolved over time to adapt to the new challenges of today's society. Security is no longer aimed at avoiding unintentional intrusion – people who, due to ignorance or scrutiny, invaded the restricted areas of airports –, but at dealing with premeditated intrusion for the purpose of sabotage, smuggling or terrorism.

New security technologies help to avoid these incidents when applied to perimeter protection, outside or inside the terminals, helping security operators to detect threats early enough and react to them.

## Intelligent perimeter protection

The implementation of a security policy involves multi-layered protection, the first line of defense being the airport perimeter. Recently, there have been a number of incidents at airports as a result of a security breach in their perimeter, for instance in Atlanta and Las Vegas in the US. Both incidentally and intentionally, such incidents pose an imminent risk to the safety of people and facilities, and they can damage the airport's reputation.

Security guards at the perimeter of an airport are unable to view all cameras that control it, so it is essential to have video analytics systems or other means of detection that alert the security operator in case of intrusion, showing on the screen the associated video image and its location on the plan.

Multi-sensor perimeter detection systems, based on different technologies, such as analytical thermal cameras, radar and motion detectors, are the best tool to protect airport perimeters. Using multiple sensors of different technologies maximizes detection capacity in all environments. However, seamless integration between the different sensors and a unique configuration is necessary to guarantee detection of the intrusion and avoid false alarms.

False alarms can be a major problem if they are not minimized, since the generation of multiple false alarms assiduously ends up causing the security operator not to pay enough attention to them. The only way to minimize them is either using the appropriate video analytics, properly configured and maintained over time, or combining video analytics with other types of sensors so that false alarms can be discriminated.

State-of-the art solutions, such as Siveillance VMS from Siemens, integrate all detection technologies from different manufacturers, either through camera or server-based analytics, radars or other sensors, allowing

their configuration as a whole into a single operating environment and combining the different technologies on the same alarm management system. This helps and guides the operator through automatic rules, live and recorded image and associated drawings.

### Use of biometric identification systems

In recent years the demand for biometric identification systems has increased, both to complement security in access control, and to assist with the identification of people in access filters. The new biometric solutions based on video analytics, such as face recognition, are added to existing technologies, such as fingerprint reading. They are now mature tools with a great potential, and they are typically used in the video surveillance infrastructure implemented in airports.

Siveillance VMS is used by major manufacturers of video analytics in the market. It is offered as a platform that integrates the solutions of different manufacturers under the same interface, allowing them to choose the best analytics for each specific case, and combine the alarms and events from all of them in the same application.

It also enables the conversion of the camera on a mobile device or tablet into a CCTV surveillance system camera, sending the video from the mobile as well as its position to the control center, and recording it in the system as one more surveillance camera. This allows security operators to send live videos from their mobile phones, and to receive real time instructions from the control center.

### Platform protection

The manoeuvring area and platform, where aircraft are parked, loaded, unloaded and replenished, is always a very sensitive part of the airport security system. To counter potential threats in this area, the latest technologies in video surveillance cameras are required, such as multi-purpose and 360° cameras that offer panoramic views of the area, and advanced video analytics in parking areas allow greater control of the situation and prevent incidents.

Siveillance VMS integrates the most advanced video analytics as well as 360° and multi-purpose cameras, allowing operators to perform the dewarping and stitching processes naturally and improving their field of vision with this type of cameras. Users can also receive the alarms generated by different types of analytics, both in camera and server, from the same interface. On the other hand, its advanced rules engine triggers a series of actions based on any event and alarm, such as showing the operator the camera alarm live while showing the last seconds captured as well as the location map.

*Werner Braun, Global Security Portfolio Head, Siemens Building Technologies*



### Siveillance VMS integrates all detection technologies

Siemens Siveillance VMS is an IP video management (VMS) software designed for large security installations. It integrates more than 7,000 devices from different manufacturers, such as cameras, encoders, or radars, as well as different manufacturers of video analytics on standard hardware. It has Windows, Web and mobile clients, and the mobile device can be used as a security camera. It also includes video wall management, intelligent metadata search, ONVIF gateway for video retransmission, and integration with a large number of video analytics and access and intrusion controls. Siveillance VMS comes in different versions to suit both small security installations as well as large critical infrastructures. It is integrated with anti-intrusion and access control systems. It can also be integrated with BMS solutions, such as Desigo CC from Siemens, providing, in this case, unique management of safety, fire protection and control of facilities.



# Wire-Line Well Logging: Regulatory Requirements for the Safe Storage of Nuclear Source Material in the US Oil and Gas Industry



In this article Mark Barbaric, Security Program Manager, Converjint Technologies looks at some of the US regulatory issues around the protection of radioactive materials within the oil and gas industry.

Due to the terrorist attacks in New York City on September 11, 2001, several orders and regulatory measures were put in place by the US Nuclear Regulatory Commission to safeguard nuclear materials from home-grown or international terrorism.

One of those regulations, 10 CFR Part 37, went into effect May 20, 2013 "to provide a reasonable assurance of preventing the theft or diversion of Category 1 and Category 2 quantities of

radioactive materials" in use by licensed civilian organizations. The regulation requires that licensees meeting the outlined criteria of certain aggregated nuclear sources must have a physical protection program in place to safeguard these sources.

Oil and gas exploration companies must apply to the Nuclear Regulatory Commission (NRC) for licenses to use nuclear sources for well exploration. Various types of sources can be used for a process

called wire-line well logging: the use of radioactive material to determine the geological nature of a well by dropping a radioactive source down the borehole. Common sources for well-logging include a neutron source (which is used to help determine hydrogen-based compounds such as oil, gas, and water) and a gamma source (which is used to measure both density and porosity of the surrounding material). Backscattered gamma emissions or neutrons are then interpreted on

charts and logs to determine the well's ability to produce oil or gas.

Wire-line trucks, used for the specific task of well-logging, travel from various oil and gas field locations to and from vaults located in regional security zone depots, where the source materials are kept when not in active use.

How do the regulations affect the oil and gas Industry?

Regulation requires the licensee of nuclear source material to "establish, implement, and maintain a security program that is designed to monitor and, without delay, detect, assess, and respond to an actual or attempted unauthorized access to Category 1 or Category 2 quantities of radioactive material." While 10 CFR Part 37 covers the requirements of the overall security program, typically security integrators are tasked with providing a turnkey solution to their oil and gas customers to meet requirements for permanent regional source storage depots, referred in sub-section 37.47 as "Security Zones."

As a minimum, security zones are defined in one or a combination of three ways. First, they may be surrounded by physical barriers, either natural (rock or solid earth) or man-made (fencing, walls, and other physical barriers), and allow for unescorted access by only authorized individuals, through an established and controlled access point. Second, they may be under direct control by authorized individuals at all times, a practical solution for temporary security zones more so than permanent security zones. Third is to maintain a combination of physical barriers and direct control.

In permanent security zones, the higher degree of physical control through electronic card access

reduces the potential for human error in overseeing the controlled access point. It may also provide for significant cost reduction in manpower since authorized access points can be monitored remotely and electronically.

For these reasons, best practices learned through our years of experience include establishing these controlled access points through fencing and leveraging electronic access control card readers and electromagnetic locks.

While the licensee has the option of direct surveillance and control, meeting this requirement requires a full-time physical presence of an authorized person with constant direct surveillance of the security zone. The introduction of an access-controlled door or a gate integrated with cameras provides the licensee with accountability logs and recorded video to be made available to local law enforcement and NRC compliance inspections.

Adding an access control reader also assists the licensee with the rule requirement to prevent circumvention of the security program background check and documented approval process, reducing the chances of permitting high-risk individuals from becoming

authorized personnel.

Licensees of nuclear source materials are required to establish and maintain the capability to monitor and detect any unauthorized individuals entering into the security zone and the unauthorized removal, sabotage, or diversion of source material, even in the event of power failure.

Monitoring and detection can be achieved in a number of ways, including intrusion detection systems linked to an offsite 24/7 central monitoring facility, electronic devices that can detect intrusion and alert nearby facility personnel, monitored video surveillance systems, direct visual surveillance by authorized personnel within the security zone, or direct visual surveillance by an individual designated by the licensee from outside of the security zone.

Prudence dictates having a documented process for monitoring and detecting through one or more of these requirements to ensure that there are no gaps in security.

As with control of the security zone, monitoring a permanent security zone with full-time authorized personnel can be cost-prohibitive







and high risk, as it relies on human compliance. Our experienced subject matter experts have found that intrusion detection through a centrally monitored access control system can eliminate the reoccurring monthly cost of a 3rd party alarm monitoring contract as it leverages the equipment already designed to control access.

A well-designed security system also integrates video with both local and remote intrusion, as well as access control alarms, to ensure compliance with the 10 CFR Part 37 requirement. Video surveillance may also be used on occasion to remotely monitor unauthorized personnel in the security zone, provided there is direct surveillance at all times. In addition, for Category 1 materials, the zone must also have immediate detection of any attempted unauthorized removal of source material through electronic sensors, video surveillance, or direct surveillance.

Licensees must also implement a maintenance and testing program for assurance that intrusion alarms, communication systems, and other critical physical components of the

permanent security zone remain in operable condition and performing as intended. Annual contracts with the licensee's security integrator can cover the requirement to document periodic inspections and testing, performed as per manufacturer's requirements, or at most every 12 months.

Two years following the implementation of the final rule, a program review team was formed to evaluate the regulation's effectiveness and reported their findings to the US Congress on December 14, 2016. The committee found that the program was indeed effective in achieving its original objective to "provide reasonable assurance of the security of Category 1 or Category 2 quantities of radioactive material by protecting these materials from theft or diversion." It also recommended its indefinite continuance along with outreach efforts to stakeholders to provide additional guidance.

## Global security requires regional support, INTERPOL Chief tells EAPCCO meeting

Addressing the 20th Eastern Africa Police Chiefs Cooperation Organization (EAPCCO) General Assembly, INTERPOL Secretary General Jürgen Stock underlined the importance of regional and global connectivity for effective law enforcement.

As part of INTERPOL's commitment to the region, Secretary General Stock said the launch of the I-ONE project earlier this year will

see the modernization of 31 National Central Bureaus (NCBs) throughout Africa, more than half of which are in EAPCCO countries.

The project will also see frontline police at border control points given access to INTERPOL's secure global police communications network, I-24/7. This will enable officers to check vital police information in INTERPOL's databases to

better detect criminals and criminal activity.

In addition to technological assistance, Secretary General Stock also highlighted the ongoing operational support provided by INTERPOL to member countries, in particular the recent Operation Sawiyan in Sudan.

Nearly 100 victims of human trafficking and migrant smuggling were rescued in

the INTERPOL-coordinated operation involving some 200 Sudanese officers.

With biometrics playing an increasingly important role in security, the INTERPOL Chief said the Organization would continue to proactively deploy teams to help national authorities gather data, as well as provide the necessary training, equipment and expertise to boost these efforts.

## Germany and Sweden Take Action Against Cyber Fraud Gang

With the support of Europol and Frontex, two suspects were arrested in a series of coordinated raids across Germany and Sweden in an investigation targeting a Syrian organised crime group suspected of cyber fraud. House searches were carried out in Aachen, Dortmund and Essen (Germany), and in Nörrköping, Malmö and Helsingborg (Sweden), where police recovered some EUR 54 000 and USD 55 000. The arrestees are believed to be the key organisers of a cyber fraud gang.

The German Federal Police initiated Operation GOLDRING in October 2017. The intelligence-led operation uncovered the organised crime group, composed of Syrian nationals, which was involved in fraudulently purchasing airline and train tickets. According to



information from Germany, more than 493 fraudulent bookings were identified. In most cases the tickets were one way tickets from Beirut to European Member States. The tech-savvy smugglers avoided detection by making the bookings using compromised corporate credit cards and credentials, purchased online from other criminals offering them for sale (see: crime-as-a-service business model).

The fraudulent bookings

were brought to the attention of law enforcement by the private sector, highlighting once again how instrumental public-private partnerships are in fighting this type of fraud. This effective working relationship has been established over the course of recent years as a result of Europol's Global Airport Action Day, a recurrent operation bringing together law enforcement, the airline industry and

payment card companies to target airline fraud. As part of this operation, Europol and Frontex have jointly identified significant crossovers between payment card fraud and irregular migration and trafficking in human beings, leading to a number of arrests in recent years. The operational successes of today have confirmed this trend.

Europol's European Cybercrime Centre (EC3) actively supported the investigation from the outset, assisting with identifying suspects and exchanging information with other law enforcement authorities through Europol's secure communication channels. A Europol mobile office was deployed to Germany, allowing for the real-time exchange of operational information between all involved parties.



## Drone technology: security threats and benefits for police focus of INTERPOL forum

The drone whizzed over the heads of the crowd seated in the auditorium of the INTERPOL Global Complex for Innovation (IGCI) in Singapore, performing aerial manoeuvres displaying its ability to operate in enclosed indoor spaces.

A second demonstration showcased drones designed for use in outdoor spaces, highlighting the benefits and also challenges of deploying such technology in public areas.

Drone technology was front and centre at the IGCI this week during the Drone Expert Forum, a three-day conference which brought together nearly 100 experts from law enforcement, academia and private industry to demonstrate how drones can at the same time be a threat, particularly for critical infrastructure, a tool and source of evidence for police worldwide.

The potential use of drones in a terrorist incident or attack against a critical infrastructure and soft targets is a growing concern for law enforcement as the availability of drone technology becomes more widespread globally. As drones become less expensive and their potential applications continue to expand, it is expected that countries will witness an increase and evolution of this threat.

Recent examples include terrorist groups using drones in surveillance activities



and delivering chemical, biological, radiological, nuclear and explosive materials in conflict zones, and an environmental group which repurposed a hobby drone to enter the secure airspace of a nuclear site and crash into a building highlighted the current reality of the threat posed by the illicit use of drones.

In this respect, experts from the FBI, NATO, the United Nations Security Council Counter-Terrorism Executive Directorate, national police agencies and the private sector underscored the need for a coordinated global law enforcement response which combines the expertise and developments made by various countries, military agencies and private industry to counter the threats posed by the nefarious use of drones.

"The rising threat of terrorist groups using drones to attack critical infrastructure and soft targets has created a pressing need for the global law enforcement community to exchange

information and share best practices. INTERPOL is committed to assisting its member countries protect their critical infrastructure by raising awareness, sharing best practices and facilitating information exchange on terrorist incidents involving drones," said INTERPOL's Director of Counter-Terrorism, Patrick Stevens.

### A tool for police

While drones can be dangerous in the wrong hands, they are also a valuable tool for law enforcement. Participants heard how drones can be used by police to reconstruct a crime scene by using a drone to take pictures of the site from all angles, then feeding the data into a 3D printer.

Drones can also be used by law enforcement to conduct surveillance, assist with traffic accident investigations, survey natural disaster sites and more.

The conversion of drones and artificial intelligence (AI) technology offers additional

benefits to enhance current police capabilities, from increasing officer safety and productivity to live-streaming of incidents.

### A source of evidence

Drones can also be a significant source of evidence to support investigations and prosecutions: analysis of digital data such as speed, height, GPS coordinates and flight records can reveal information about the criminals involved, while physical data such as fingerprints and DNA can also be present.

Through further development of these capabilities, INTERPOL seeks to support member countries in increasing information sharing on drone incidents and developing their abilities to conduct effective forensic examinations of seized drones.

"Different countries view drone technology in different ways: some define drones as a weapon, while others categorize them similarly to airplanes. On top of that, police are starting to use drones as a tool in their daily operational work," said Anita Hazenberg, Director of the INTERPOL Innovation Centre.



**INTERPOL**

## The EU has approved new measures to combat terrorist financing, by preventing money laundering and tightening cash flow checks

The two laws will make it harder for terrorists and criminals to finance their activities, by closing the loopholes in the current money laundering rules and by making it easier for the authorities to detect and stop suspicious financial flows.

Ignazio Corrao (EFDD, IT) said: "The new rules on criminalisation of money laundering hit criminals where it hurts them most: money. The rules prevent criminals from financing their activities - legal or illegal - with the proceeds of illicit actions. Money laundering is a dangerous crime and its harmful consequences are often underestimated. This directive adds a new



important tool to fight against this crime. "

The new rules to prevent money laundering introduce:

EU-wide definitions of money laundering-related crimes,

EU-wide minimum penalties, such as a minimum of four years of imprisonment for money laundering maximum

sentences, and new additional sanctions, such as barring those convicted of money laundering from running for public office, holding a position of public servant and excluding them from access to public funding.

Juan Fernando López Aguilar (S&D, ES) said: "To properly fight economic fraud, money

laundering and terrorism financing, the EU must reinforce its controls over cash entering or leaving its territory. We have incorporated the best practices at international level to new rules and solved some deficiencies and shortcomings of the current legal framework."

Mady Delvaux (S&D, LU) said: "Cash is difficult to trace and easy to transfer, therefore criminals frequently use it. With this regulation, we are strengthening the tools to combat money laundering and terrorist financing through better and faster exchange of information between authorities, as well as by adopting a more complete definition of cash."

## How is Artificial Intelligence is Reshaping Surveillance?

When we spot a CCTV camera in person, it's hard not to get the gut feeling that someone is watching you. In a way, that's historically been one of the benefits of CCTV systems—the feeling that someone is watching can impact how we behave, but the reality is, many CCTV systems are left unmanned. This is because having security personnel to constantly and vigilantly watch a camera system just isn't practical or cost-effective. The good news is: artificial intelligence is reshaping how we view optical security systems and is changing the landscape of the surveillance industry.

Perhaps the largest benefit of systems that utilize artificial intelligence is how quick you can get results out of it. AI can be used to analyse video feeds



just about instantly, discerning everything from recognized faces to recognized actions or behaviours. If it sounds like a powerful tool, that's because it is—and it's only growing in its capabilities and applications. We're likely to see even more improvement, such as searchable video that can show you exactly what you want when you want it, in the future.

In the past, resolution has been

a limiting factor. CCTV cameras were lauded for their laughable grainy quality that often ended up offering few details about what went on at the scene of an incident. Nowadays, optical camera quality has increased tenfold, which allows intelligent optical systems to do their job. With the proper resolution, it makes it much easier for the intelligence behind these surveillance systems to pick out the proper details and work

effectively when and where you need it.

As powerful as our current intelligent optical systems may be, there are still limitations. Most of these systems take advantage of machine learning, meaning that they're very good at doing one specific thing: spotting patterns or learning to recognize very specific traits in a video. Still, these systems certainly aren't capable of the same insight as a human operator. They may be able to recognize that someone on camera is running, but they lack the capabilities of knowing why that person is running or understanding context. Only time will tell how and in what ways this may change in the future.

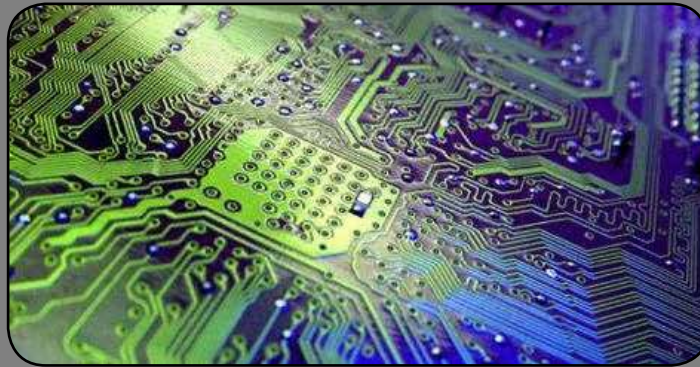
Source: Gatekeeper Intelligent Security



## ManTech Wins \$668 Million Prime Contract for CDM with Department of Homeland Security

ManTech has announced a \$668 million GSA FEDSIM award to support the Department of Homeland Security's Continuous Diagnostics and Mitigation (CDM) Dynamic and Evolving Federal Enterprise Network Defense (DEFEND) program. Under the new six-year agreement, ManTech will serve as the prime contractor providing CDM capabilities and support to DHS and the 9 agencies in CDM Group E, strengthening their cybersecurity posture and improving their ability to rapidly respond to today's rising threat of cyberattack.

The objectives of the CDM DEFEND effort are to reduce agency threat surfaces, achieve advantageous cost and price discounts for tools and capabilities, and accelerate



the implementation and adoption of the CDM program within participating agencies.

Under this new task order, ManTech will support CDM efforts within the Department of Education (ED), Department of Housing and Urban Development (HUD), the HUD Office of Inspector General (HUD OIG), the Environmental Protection Agency (EPA), the Federal Deposit Insurance

Corporation (FDIC), Nuclear Regulatory Commission (NRC), National Science Foundation (NSF), Securities and Exchange Commission (SEC), and Small Business Administration (SBA).

"ManTech has played a strategic role in the CDM program for over three years, supporting more than 65 agencies in both Phases 1 and 2, and we're honored to continue supporting the CDM program's critical role in defending federal

networks," said Kevin Phillips, ManTech president and CEO. "This latest award underscores their confidence in us as a long term trusted partner."

"Government agencies are increasingly the target of sophisticated cyber threats. We're excited to support the CDM program to rapidly implement advanced cyber capabilities and secure the critical missions of our customers," said Rick Wagner, president, ManTech's Mission, Cyber & Intelligence Solutions (MCIS) group.

DHS's CDM program provides federal agencies with access to commercial solutions to rapidly identify cybersecurity risks and prioritize risks to mitigate the most significant problems first.

## LRAD Corporation Announces \$1.0 Million Mass Notification Critical Infrastructure Order

LRAD Corporation a provider in long range voice broadcast systems, and advanced mass notification and distributed recipient solutions, today announced a \$1.0 million mass notification systems order for the first phase of a Federal Emergency Management Agency ("FEMA") funded critical infrastructure project. The order consists of fixed LRAD DS-60XL and mobile LRAD 360XT voice broadcast systems.

"Government officials and emergency managers throughout the world are recognizing that broadcasting clear voice warnings and instructions to affected populations in advance of,



during, and after disasters saves lives," stated Richard S. Danforth, Chief Executive Officer of LRAD Corporation. "The LRAD systems ordered for this project feature our solar power option and satellite connectivity, ensuring continual operation if the power and communications infrastructure fails."

Danforth added, "This

competitively won award is part of a potentially larger program to provide a standard, unified mass notification system for this region's populated areas, and to speed disaster response and recovery."

Powered by LRAD's proprietary XL driver technology, LRAD DS-60XL systems are housed in

all-weather enclosures and feature 60° - 360° broadcast area directionality and exceptional vocal clarity.

Fully self-contained and self-powered, the LRAD 360XT mobile mass notification system delivers highly intelligible voice and alert tone broadcasts with uniform 360° coverage from a rapidly deployable, telescoping 30-foot pneumatic mast. The LRAD 360XT is integrated and mounted on a ruggedized trailer featuring securely mounted, lockable electronics and equipment enclosures containing the amplifier modules and pneumatic systems.



## Russian Helicopters to supply 150 medical helicopters to the national air ambulance operator

Russian Helicopters, National Service of Medical Aviation and Avia Capital Services LLC have signed a contract to supply 104 Ansat and 46 Mi-8AMT medically equipped helicopters.

The agreements on helicopters delivery will be implemented as part of a large-scale project of Rostec State Corporation on creating a single operator of air ambulance services in the regions of the Russian Federation. In the presence of Minister of Industry and Trade of the Russian Federation Denis Manturov, the document was signed by Andrey Boginskiy, Director General of Russian Helicopters, Ruslan Golik, General Director of National Service of Medical Aviation, and Roman Pakhomov, General Director of Avia Capital Services LLC.

"Development of EMS aviation is one of the priorities of the "Health" national project. Rostec



implements a comprehensive project in this area on establishing a special air ambulance service, providing it with aircraft and building the necessary ground infrastructure. 150 helicopters will be manufactured and delivered specifically for NSMA — this is a record number of helicopters made for EMS aviation. Investments in the project exceed 40 billion rubles. The complex of measures that we implement will allow the new service to effectively carry out life-saving missions," stated Sergey Chemezov, CEO of Rostec State Corporation at

the signing of the contract.

Last year, Rostec State Corporation undertook the initiative on creating a united system of air ambulance in Russia, which was supported by the President of Russia. The purpose of the National Service of Medical Aviation is to perform operations providing medical care 24/7 in accordance with a common standard. The project is financed by Avia Capital Services LLC, which procures helicopters and provides them to the National Service of Medical Aviation for 15 years on

financial lease terms.

The National Service of Medical Aviation is already transporting patients in need of emergency care in Saint Petersburg, the Moscow Region, the Leningrad Region, the Sverdlovsk Region, the Novgorod Region and Karelia.

Under the contract, at Hydroaviasalon, the first Mi-8AMT EMS helicopter was officially handed over to NSMA. The helicopter is fitted with the necessary medical equipment for resuscitation on board, including an artificial lung ventilation system and a Tele-ECG machine which reads an electrocardiogram in real time.

The Mi-8AMT and Ansat medical helicopters meet all international air ambulance standards and have the necessary equipment to provide medical care during patients' transportation.

## 360 Vision's Invictus onboard Robot Jack



TBC-France a supplier of advanced security robotics solutions has incorporated 360 Vision Technology's new Invictus high-performance ruggedised all-in-one PTZ camera into its advanced autonomous security robot, Jack.

Developed in Europe, robot Jack has been designed to provide security companies with an effective solution for

live roving surveillance of sensitive sites, such as large outdoor or indoor warehouses, ports, industrial complexes, gas and oil facilities, solar power stations, prisons or military bases, etc. An autonomous robot built to exacting standards of component quality and durability, Jack can be deployed to enhance the security surveillance of any critical/sensitive site.

## Milestone XProtect gets Smarter and More Secure

Milestone XProtect 2018 R3 video management software brings tighter integration of cameras with built-in analytics starting with Axis cameras, stronger and more secure system documentation and extended audio support to remote users.

With this third release in 2018, Milestone is continuing to respond to the demands from the partner community. We live in an ever-changing world, and the frequent release cycle ensures that the needs of Milestone stakeholders are rapidly met.

Many modern-day surveillance cameras are shipped with advanced analytical functions like motion detection,



temperature detection and perimeter protection. These camera functions generate events. With the versatile Rules Engine in Milestone XProtect VMS, these and other device inputs can be used to trigger actions

like starting and stopping recordings, manually or automatically, sending alerts or other responses.

With the 2018 R3 product version and Device Pack 9.9a, users can benefit from an extended event list,

allowing them to make use of all the event features the camera has to offer. This improvement starts with support for Axis network cameras, enabling the Axis Camera Application Platform (ACAP) to work even better with XProtect.

An important aspect in keeping a video system secure and best protected against attacks or unwanted behavior is having a clear understanding of what is happening in the system. Here the Log Server plays a vital role storing all log messages for the entire video monitoring system. This provides information about patterns of use, access logging, system performance and administrative activities.

## Smiths Detection Inc. Receives \$10M Order from DNDO for Handheld RadSeeker Radiation Detectors

Smiths Detection has announced an order of more than \$10 million to supply its RadSeeker handheld radioisotope detectors and identifiers for screening at Customs and Border Protection (CBP) ports of entry. The order is part of a five year indefinite delivery/indefinite quantity (IDIQ) contract with DHS Domestic Nuclear Detection Office (DNDO), which was announced in January of 2016.

RadSeeker is a next-generation, highly accurate radiation detection and identification system. It can locate the source of



radiological material and identifies if it is harmful or naturally occurring. RadSeeker is the result of several years of collaboration between

Smiths Detection and the DNDO to develop a next-generation device suitable for secondary screening, small-area search and rapid mobile identification.

RadSeeker excels in complex real-world environments, providing the operator with quick, simple, specific information for threat assessment.

Shan Hood, President of SDI, said, "RadSeeker is a great example of how Smiths Detection works with customers, such as DHS, to create solutions that meet their needs and prepare them for the future. We look forward to continuing to develop innovative technology solutions, by working with DNDO and other agencies, whose mission is to make the world safer."





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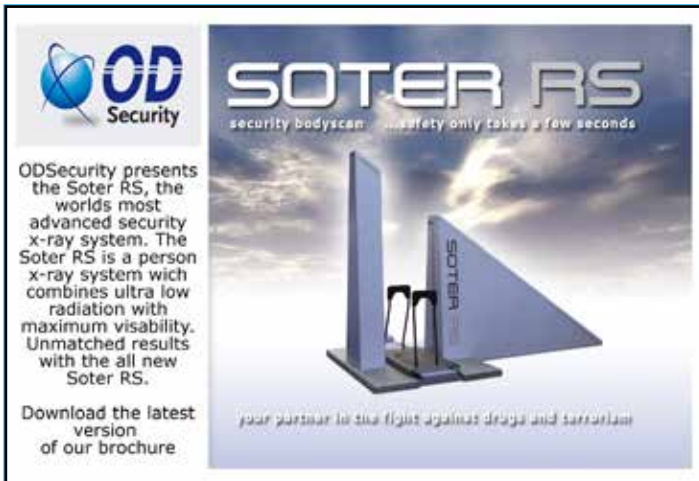
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**15-18**

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IFSEC Southeast Asia  
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**29-31**

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Doha, Qatar  
[en.milipolqatar.com](http://en.milipolqatar.com)

**November 2018****8-10**

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**15**

Cyber Security Summit  
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**27-28**

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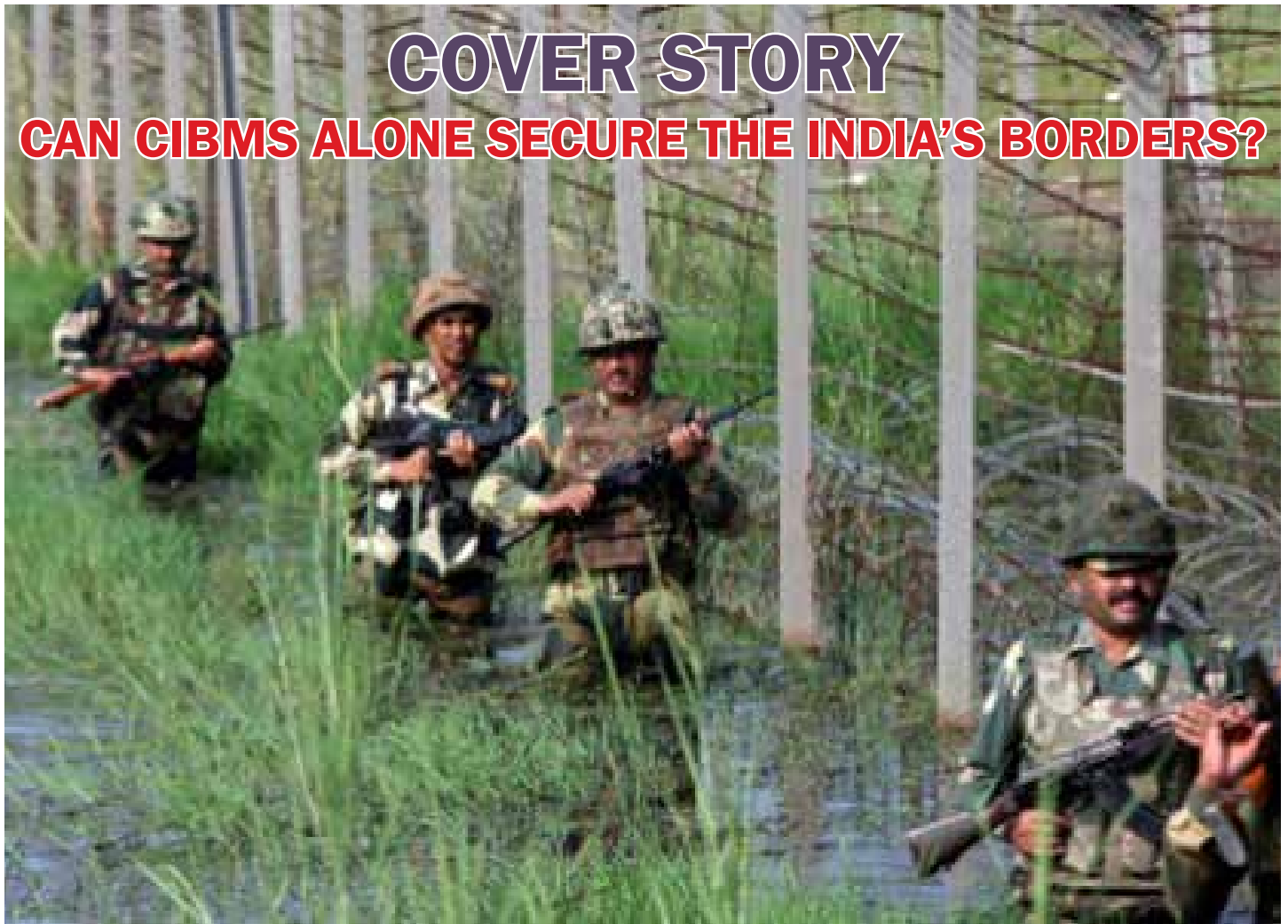
# BORDER SECURITY REPORT

VOLUME 11  
SEPTEMBER / OCTOBER 2018

FOR THE WORLD'S BORDER PROTECTION, MANAGEMENT AND SECURITY INDUSTRY  
POLICY-MAKERS AND PRACTITIONERS

## COVER STORY

### CAN CIBMS ALONE SECURE THE INDIA'S BORDERS?



#### SPECIAL REPORT



The Changing Face of  
Borders p.12

#### AGENCY NEWS



A global review of the  
latest news and challenges  
from border agencies and  
agencies at the border. p.18

#### SHORT REPORT



Create opportunities to  
reduce migration, Kagame  
to African leaders p.4

#### INDUSTRY NEWS



Latest news, views and  
innovations from the  
industry. p.28



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Border Security Report is a bi-monthly electronic magazine and is the border management industry magazine delivering agency and industry news and developments, as well as more in-depth features and analysis to over 20,000 border agencies, agencies at the borders and industry professionals, policymakers and practitioners, worldwide.



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## A Step In The Right Direction

The European Commission's president Jean-Claude Juncker took the opportunity of his annual state of the union address to announce the rapid expansion of Frontex, the European Border and Coast Guard Agency, which currently employs 1,600 border guards across the EU, to a force of 10,000 by 2020.

It's purpose, as it is now, is to assist those governments struggling to deal with the wave of immigrants that are still heading to Europe.

This is a belated reaction to the political backlash across Europe to the migration crisis of the past three years.

Right across Europe we have seen the rise of right-wing, anti-immigration parties, taking big chunks of electorate from the centrist parties, from Italy in the South to the normally ultra-liberal Swedes in the North.

Indeed, in such a close-run referendum, the immigration crisis was probably a deciding factor in Britain's decision to vote for Brexit, leading to the biggest upheaval in Europe since the collapse of the Soviet Union.

During the height of the crisis, the Italians, Greeks and Spanish had every justification to feel that they were left holding the baby, both figuratively and literally, while the rest of Europe looked on.

It was only when a tidal wave of humanity poured across Europe and the political fallout started to manifest itself, as members closed borders and electorates started to vote for anti-immigration parties, that the EU started to realise just how out of sync it is with the population.

This move is a step in the right direction, but probably not enough yet. The real problem is that the EU needs to have these structures permanently in place, including military and civil defence, to deal with a crisis as and when it happens, rather after the event. Whatever that crisis is!

Tony Kingham  
Editor

## READ THE FULL VERSION

The digital version of Border Security Report contains all the additional articles and news listed in the contents page below. The full digital version is available for download at

[www.world-border-congress.com/BSR](http://www.world-border-congress.com/BSR)

# CONTENTS

## BORDER SECURITY REPORT



» p.5

### 5 CAN CIBMS ALONE SECURE THE INDIA'S BORDERS?

The BSF plans to put up a CIBMS in areas all along the Indo-Pak and India-Bangladesh border, after successful completion of pilot projects.

### 8 AGENCY REPORTS

Latest news and reports from key agencies INTERPOL, OSCE, EUROPOL and the IOM.

### 12 THE CHANGING FACE OF BORDERS

SITA looks at how new technologies and biometrics at the border is changing the way we work.

### 16 CREATE OPPORTUNITIES TO REDUCE MIGRATION

How improving governance, public investments and creating environments could translate into job opportunities.

### 18 AGENCY NEWS

A global review of the latest news, views, stories, challenges and issues from border agencies and agencies at the border.

### 22 THE NEED FOR COMPROMISE ON MIGRATION AND BORDER REFORM

The European Commission proposes last elements needed for compromise on migration and border reform.

### 26 WORLD BORDER SECURITY CONGRESS

A look at the annual international border security gathering being hosted in Casablanca, Morocco on 19th-21st March 2019.

### 29 INDUSTRY NEWS

Latest news, views and innovations from the industry.



» p.8



» p.18



» p.10



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# CAN CIBMS ALONE SECURE THE INDIA'S BORDERS?

By R K Arora, a Doctoral researcher in the field of Border security at Banasthali Vidyapeeth, Jaipur.

Two pilot projects of Comprehensive Integrated Border Management System (CIBMS) in Jammu along the International Border (IB) between India and Pakistan are likely to be inaugurated this month. The CIBMS is an integration of a number of new gadgets and technologies to ensure electronic surveillance of India's international borders with Pakistan

and Bangladesh.

The pilot projects of approximately 5 kilometers of the stretch each and costing around 6-7 crores per project are being handled by two private firms – TATA Power SED and DAT Con. The Border Security Force (BSF) hopes that the new technological equipments would provide feeds to



BSF personnel at the border outposts, where monitors would be installed. In case of a threat, quick reaction teams (QRT) will intervene and neutralise it. The BSF plans to put up a CIBMS in areas all along the Indo-Pak and India-Bangladesh border, after successful completion of the pilot projects and their feedback, where it is a key challenge to secure the borders due to the nature of the terrain as well as to check cross-border infiltration and smuggling.

Use of latest surveillance technology to guard India's porous IB needs to be appreciated as it is generally felt that the one who has better technology will dominate in the future. However, it is easier said than done considering India's past experience with technology. The question is being asked repeatedly whether these solutions are compatible with Indian conditions and whether they are cost effective. At a time when implementation of similar solutions for the US-Mexico border has been facing several technical glitches and financial challenges, investment of a huge amount for implementation of the CIBMS needs to be revisited.

Futuristic planning has not always featured prominently in India's border security architecture. As regards the CIBMS, there are several gray areas in the pilot projects which needs to be given due consideration. The fact that the inauguration of the pilot projects, which began in 2016, has been delayed should not be forgotten while going ahead with the full project.

Amid understandable enthusiasm for technological

solutions, some hard realities need to be kept in mind. Let's enumerate some of the challenges. First, the selection process for pilot projects has been under dispute. Moreover, there is a lack of clarity regarding the role of private vendors providing CIBMS technology. One of the firms, TATA Power SED claims the indigenous element in CIBMS as part of 'Make in India' endeavour. If that is so, what about the local manufacturing of

LORROS and Thermal Imagers except Hand Held Thermal Imagers (HHTI)? One need not forget that CIBMS' multi-tier security ring at the border indents to use a variety of sensors, such as Thermal Imager, Radar, Aerostat, Optical Fiber Intrusion Detection System, Unattended Ground Sensor and Underwater Sensors. We have not heard much about how and when these equipments will be manufactured in India. Underground sensors can detect about 5 metres.

Second, basic amenities have not been improved on the ground. In the recent past, the optimum use of sophisticated technical equipments has been weighed down by its incompatibility with terrain and existing border security infrastructure. This time serious questions have been raised about three-phase power supply and border road along with fencing. Power back-up of gensets is also a challenge which is yet to be addressed. Without plugging these loopholes, reaction capability of the QRT is going to be seriously compromised.

Third, helium-filled Aerostat balloons can provide an aerial 24/7 surveillance and communications, but they can also be an ideal shooting practice range for counter border guards. Moreover, one time use or refilling it is likely to cost approximately rupees one lakh, calling into question the financial sustainability of the project.

Fourth, lack of well-trained technical manpower is a nagging issue. Due to a rotational policy of the border guarding forces, the expertise acquired by the border

personnel risks being lost as soon as the private firms leave the project site, hampering the technical capability.

Fifth, repair and maintenance is a vital aspect. The fact cannot be ignored that there is a strong correlation between sophisticated technology and human adaptability. What specific policy has been framed to integrate the technology being utilized for CIBMS with the technical manpower operating it? After all, everybody with considerable practical experience on border security in India's context is painfully aware as to what actually happens when technical equipment is in need of urgent repair are forced to remain unused for unusually long spells because of procedural and bureaucratic loopholes. Have they been plugged?

Conceptually speaking, there are four components involved in the project of the scale and magnitude of CIBMS – detection, identification, response and neutralization. Detection and identification can be

achieved through technological solutions, but their success depends on smooth integration with the response and neutralization aspects which require robust human intervention. Problematically, we have yet to develop institutional trust on technology, which can be reflected in simultaneous increase in technological and manpower footprint. Ideally speaking, technological intervention needs to edge out the human factor. But why this has not happened in India is because of very marginal investment in human capital in India's border guarding forces even as the number of troops keeps expanding exponentially every year.

The scepticism of CIBMS naturally presents opportunities for introspection. The one area in which India is capable of carving out a leadership role for itself may well regarding integration between technology and human efforts, one in which India shows the way to the international community on how to lower the cost of border security, and in turn, counter terrorism.

## Four charged over alleged \$3 million business email compromise scam

Four members of an alleged coordinated fraud syndicate have been charged as part of ongoing investigations into business email compromise scams across NSW, Australia.

Earlier this year, detectives from the State Crime Command's Cybercrime Squad established Strike Force Woolana to investigate organised criminal syndicates involved in fraudulent activities, including business email compromises, identity theft, romance scams and the fraudulent sale of goods.

Following extensive investigations, strike force detectives arrested a 36-year-old woman on Liverpool Street, Sydney. The Kingswood woman was taken to Surry Hills Police Station and charged with 11 counts of knowingly deal with the proceeds of crime.

Police will allege in court that the woman was involved in the laundering of more than \$480,000, which was fraudulently obtained through business email compromises.

## A dozen serious criminals removed from Australia

The Australian Border Force removed 12 foreign nationals from Australia who had been convicted of serious crimes, including violent and child sex offences.

ABF Commander Field and Removal Operations James Copeman said the removals demonstrate the ABFs commitment to protecting the Australian community.

"The ABF plays a critical role in locating, detaining and removing unlawful non-citizens that pose a threat to

the Australian community, particularly those involved in exploiting children and the vulnerable," Commander Copeman said.

"We will continue to identify those foreign nationals who have been convicted of violent offences, drug offences or crimes against children and will remove them as quickly as possible. The Australian public has a right to feel safe."



## Over 50 Protected Birds Destined to be Traded Illegal Market Rescued in Italy



In an investigation led by the Carabinieri from the CITES Group, and supported by Europol, two suspects involved in poaching and trafficking of endangered species of birds have been identified and prosecuted in Italy. They were involved in collecting nests and protected birds in the central region of Lazio to later sell them on the illegal market, mostly to clients in northern European countries

(the Netherlands, Germany and Belgium).

Europol supported the investigation by providing analytical and operational support to the Italian authorities. As a result, over 50 protected species of birds were rescued, some of them so young that were still featherless, including hawfinches, jackdaw, goldfinches and serins. Among them were 15 European roller birds, migratory birds with blue feathers, which are protected under national and international legislation and so cannot be hunted.

## Migrant Smuggling and Sham Marriages Organised Crime Group Dismantled

Searches and arrests were synchronised in Romania and Poland against an organised crime group (OCG), involved in recruiting and trafficking men and women from India and Nepal into the European Union.

The illegal immigrants participated in sham marriages in order to obtain a residence permit. The Federal Police of Munich, cooperating with Europol and Eurojust, as well as with the Romanian and Polish national authorities, carried out 17 houses searches and executed five European arrest warrants.

Each migrant paid approximately EUR 12.000 to the

smugglers for the full range of services, including the journey to Europe, entry to Germany, application for a residence permit, as well as the arrangement of the wedding ceremony.

During the action day, the national authorities of Germany, Romania and Poland, with the support of Eurojust and Europol, seized a significant amount of evidence, such as marriage certificates, business cards of wedding planners, unused wedding rings, electronic storage devices, and EUR 14 000 in cash. Europol, through its European Migrant Smuggling Centre, manned a mobile office to coordinate the police actions.

## 24 Suspects Arrested in EU-wide Action Week Against Child Trafficking

law enforcement officers from 22 Member States\*, other European countries and partner agencies actively participated in an EMPACT THB Action on Child-trafficking. As a result of the action 51 children and 72 adults were identified as potential victims of trafficking. The youngest child was only two 2 years old. The children were exploited for labour, forced begging and sexual purposes.

Several links to migrant smuggling and document forgery

were also identified. 45 new cases have been initiated. 24 suspects were arrested for THB offences and a further 61 suspects were arrested in relation to other crimes.

The actions focused mainly on hotspots for sexual exploitation, forced begging and forced criminality (e.g. pickpocketing and minor thefts), and intensified activities at border crossing points.

## 7 Arrested in Spain for Smuggling some 300 Migrants to France

With the support of Europol's European Migrant Smuggling Centre (EMSC), the Spanish National Police has dismantled an organised crime group suspected of facilitating large-scale migrant smuggling between French-speaking African countries and France. It is estimated that this criminal network has facilitated the entry into Spain of almost 300 irregular migrants, before arranging for their subsequent smuggling to France.

Six suspects were arrested in Guipuzcoa (Northern Spain) and one in Madrid. Eight migrants awaiting to be smuggled to France were also rescued from a safe house in Guipuzcoa. Europol supported the investigation with analytical capabilities in-house and the deployment of an expert to San Sebastian (Spain) with a mobile office and UFED (Universal Forensic Extraction Device).

## Human trafficking: 100 victims rescued in Sudan



Police in Sudan have rescued nearly 100 victims of human trafficking and migrant smuggling in an INTERPOL-coordinated operation.

Operation Sawiyan involved 200 Sudanese officers who rescued 94 victims, including 85 minors, from criminal networks involved in illegal migration, child labour and exploitation, and forced begging. The officers represented national entities which include the Criminal Investigation Department, Immigration, Human Trafficking, Child Protection Unit, as well as INTERPOL's National Central Bureau in Khartoum.

Police also seized USD 20,000 which they believe included ransom money obtained from the abduction of a migrant. The victim was amongst those rescued during the operation.

With investigations ongoing, 14 (12 women and 2 men) suspected traffickers were arrested..

## Border security across ASEAN region focus of INTERPOL programme



With a growing population of over 600 million, and economic growth across the ASEAN region placing increasing challenges on travel and security, regional

human mobility was the focus of a meeting held within the framework of the European Union's (EU) collaboration with ASEAN on migration and border management.

Implemented across Southeast Asia by INTERPOL, the EU-ASEAN Migration and Border Management Programme II seeks to improve regional border security by tackling transnational crimes such as people smuggling and human trafficking.

Representatives from ASEAN Member States, law enforcement, industry, academia, the EU, the Habibie Center in Jakarta, and INTERPOL reviewed at the meeting a feasibility study on an ASEAN common visa and practical recommendations on mobility and border security..

## Boosting national responses to the illicit trade in cultural property

Senior police officials from six Southern African countries have recognized the need for a strong national framework as the first step to effectively fighting the illicit trade in cultural heritage worldwide.

For many years, the theft and trade of cultural property has been viewed as a 'lower priority crime', considered less dangerous than higher-profile offences such as drugs or human trafficking.

However, evidence shows that organized crime groups have actively been using this low-risk, high-profit trade

to fund their illicit activities.

Open borders, political challenges, and the speed and anonymity of the Internet have facilitated their trade, meaning that today any country can be the source, transit or destination of illicit objects.

In order to coordinate an international response, officers from Eswatini, Lesotho, Mozambique, Namibia, South Africa, and Zimbabwe participated in a three-day workshop exploring the latest crime trends and mechanisms for the protection of cultural heritage.

## OSCE officials praise Cyprus for its progress in combating human trafficking, encourage more multi-agency co-ordination



OSCE Acting Co-ordinator for Combating Trafficking in Human Beings Valiant Richey conducted an official visit to Cyprus this week, praised Cyprus for its progress in combating human trafficking and encouraged more multi-agency co-ordination.

During his three-day visit, Richey headed an OSCE delegation in meetings with the parliament, law enforcement officials, welfare services, labour inspectors, prosecutors, judges, and international and civil society representatives, where the country's implementation of OSCE anti-trafficking commitments was discussed.

Richey noted that action by parliament as well as the commitment of officials in agencies such as the anti-trafficking unit has set Cyprus on the right path for the future. At the same time, stalled co-ordination efforts across agencies could undermine the progress being made..

## ODIHR presents new guidelines on protecting human rights while countering threats posed by "foreign terrorist fighters"



Human rights-compliant approaches to addressing threats and challenges posed by "foreign terrorist fighters" are the focus of a new publication presented by the OSCE Office for Democratic Institutions and Human Rights (ODIHR) at an event on 12 September 2018, during the annual Human Dimension Implementation Meeting in Warsaw.

The new publication, Guidelines for Addressing the Threats and Challenges of "Foreign Terrorist Fighters" within a Human Rights Framework, provides recommendations, supporting facts and analysis of international and national practice. It also highlights some of the key issues that states must grapple with as they seek to respond to the challenges posed by 'foreign terrorist fighters' and those

associated with them while respecting and promoting human rights and the rule of law.

"The constantly evolving dynamics of 'foreign terrorist fighters' relocating and returning from conflict zones require states to continuously identify new strategies to overcome these challenges," said Omer Fisher, Head of the ODIHR Human Rights Department. "What remains unchanged is the need for human rights and rule of law-based approaches to all aspects of 'foreign terrorist fighter' flows in countries of departure, transit and relocation. This is a prerequisite for the effectiveness of states' responses to those challenges."



Organization for Security and  
Co-operation in Europe



## IOM Trains Sri Lankan Aircrew to Identify, Report Human Trafficking



IOM is conducting a two-day training of trainers for SriLankan Airlines aircrew on identifying and reporting trafficking in persons on board flights.

The training, organized in Colombo at the request of the Ministry of Foreign Affairs, is designed specifically for

airline personnel and draws on the Guidelines for Training Cabin Crew on Identifying and Responding to Trafficking in Persons launched this year by the International Civil Aviation Organization (ICAO) and the UN Office of the High Commissioner for Human Rights (OHCHR.)

A group of 29 cabin crew training instructors, ground handling staff instructors and security staff instructors took part in the training. Participants will in turn will train all types of passenger handling staff, including cabin crews, at Sri Lanka's national airline.

"It is timely and prudent that we are aware and play our part in the global fight against human trafficking - an issue that does not have limits or boundaries," said Thusitha Ranasinghe, the airline's Cabin Safety Training Manager.

## Central American Governments Strengthen Capacities to Protect Migrant Workers

About 40 officials from central and local governments of El Salvador, Honduras, Guatemala, and Mexico convened in Guatemala to discuss how to enhance their capacities to protect migrant workers. The event was organized by the UN Migration Agency (IOM) and the International Labour Organization (ILO).

The participants, working in their governments in the sectors of migration, labour, foreign relations and national, received training on how the information on rights and fair contracting contribute to the protection of people who migrate in search of work, to improve their economic conditions and those of their families..

## Over One Fifth of Irregular Migrants to Europe Coming by Land



While the perilous and deadly Mediterranean sea migration route is well known, new figures from IOM show that more than one in five people arriving irregularly in Europe do so by land.

The most frequently-used route is from Turkey to Greece where authorities reported a total of 12,166 land arrivals since the beginning of 2018.

"Whether migrants attempt to flee by land or sea we

must always be aware of the dangers they are in, and the cynical business model of the smugglers who exploit them," said Lado Gvilava, Chief of IOM's Turkey Mission. "We know that as soon as one route is blocked another one will open. As long as people see their home places as unsafe we need to work with governments to provide them with the protection they need, whether they are in camps, on the move, or arriving in new countries."

The 17,966 land arrivals to Europe between January and end early September 2018 represent an almost six times increase compared to the 2,464 reported in the same period last year, according to IOM data.



# THE CHANGING FACE OF BORDERS

Jeremy Springall, Vice President, Business Integration and Solutions at SITA looks at how new technologies and biometrics at the border is changing the way we work.

There are two fundamental elements of border control which have traditionally been at odds with each other: speed and efficacy. In the age of taxis coming directly to your door at the click of a button and online orders getting delivered the very same day, our patience for waiting is waning. But airports and border authorities still need to make sure it's only the right people entering and exiting the country, so the process can't be rushed for the sake of saving passengers time.

Which leaves us with a tricky conundrum. How can we guarantee comprehensive border security while satisfying passengers' desire to get

through the airport as seamlessly and as quickly as possible? This question becomes even more complex when you consider the huge increases in passenger numbers forecast across the next 20 years. According to IATA, global airline passenger numbers are forecast to grow from a projected 4.3 billion this year to 7.8 billion by 2036.

The airport real-estate challenge is yet another complication in the ongoing quest for free-flowing passenger movement across borders. Very simply, there often isn't enough space to build new terminals. Airports have no choice but to be more efficient with the space they currently have.



So, how can airports, airlines and border authorities do what they need to do to identify the tiny proportion of passengers who are not authorized to travel, while avoiding labyrinthine queues?

Across the globe new technologies and approaches are being explored to better manage identity that does not require showing travel documents every step of the way. IATA has led the airline industry and is shaping its approach through its One Identity Program, which is strongly supported by suppliers such as SITA.

Biometrics are expected to play the main role in this move towards single token travel. Biometric identifiers are unique to each passenger and, crucially, the latest technologies are intuitive, fast and accurate. Typically, a passenger's biometric details are captured through a facial scan at the first touch point in their journey. The record is checked against the

passenger's travel documents – generally their passport – and a secure single token is created. Then, at each step of the journey passengers gain access simply with a facial scan and without having to show their travel documents.

Automation and secure biometrics lessen the risks of human error during manual checks by airline agents while also making the process more efficient and pleasant. It removes the need to show paper documents and passports at the various stages before passengers board the aircraft.

The end-game is for all airports to use biometrics to create a single identification token for passengers at every step in their journey, from check-in, bag drop, and security, right through to boarding and border control. End-to-end single token travel will allow passengers to breeze through all processes without breaking their stride. The only thing they'd need is their face.

While it will take a little time before we see biometrics at every stage of every airport journey, there are already some exciting examples of biometrics in action.

#### **JetBlue**

In a trial that started last summer, SITA helped JetBlue and the US Customs and Border Protection (CBP) pave the way to fast, secure boarding using just a photo. The trial marks a major step forward in delivering a new passenger journey where your face becomes your passport. The trial introduced a new paperless and deviceless self-boarding process which implemented the US biometric exit process.

When given the option, the vast majority of JetBlue passengers choose to “board in a snap” by simply stepping up to a camera without having to show a boarding pass, passport or any other papers. The custom-designed camera station connects to CBP to instantly match the image to passport, visa or immigration photos in the existing CBP databases and to JetBlue's systems to verify the passenger's flight details and complete the boarding process.

The trial at Boston Logan Airport, used initially for flights to Aruba, has proven to be hugely successful. JetBlue, working with SITA, was the first airline to integrate with CBP to use biometrics and facial recognition technology to board passengers in a single step at the gate. The airline has plans to expand the trial to different routes at different airports across the US.

#### **British Airways**

SITA is involved in another a joint initiative with the CBP, Greater Orlando Aviation Authority (GOAA) and British Airways which incorporates the US biometric exit check into the boarding process for passengers at Orlando International Airport (MCO).

In the trial, passengers flying with British Airways from MCO to London Gatwick can enjoy a secure and seamless departure with a new biometric boarding system at the gate. Like the JetBlue trial, a quick photo is all they need to board the international flight – no passport, no boarding card – thanks to the innovative technology. The automated





boarding gates are integrated with the CBP's and airline's IT systems to allow the necessary checks and authorize boarding.

Results have been positive from the outset of the trial, with nearly 100% of passengers opting to simply look in the camera and board the plane. The expedited boarding process is a popular one. British Airways is reporting that it has started boarding flights of almost 240 customers in around 15 minutes. By merging the usual boarding procedures with the CBP biometric exit check, the trial has succeeded in delivering a smooth experience for passengers.

While the initial biometric exit trial at MCO is being conducted exclusively with British Airways, the gates used are common-use boarding gates meaning they could easily be used by other airlines at the airport.

And that looks set to be the plan, following the announcement that the Greater Orlando Aviation Authority will be the first to fully deploy the CBP

Biometric Entry and Exit Program. As part of that announcement, SITA was named as the technology partner for biometric exit at MCO, integrating the same sophisticated biometric technology used in its trial with British Airways at the airport's 30 international boarding gates. The trial's success was critical in prompting airport-wide implementation of the technology.

GOAA's implementation of SITA's technology for the CBP biometric exit checks promises to deliver a simpler travel process for the airport's six million annual international passengers, with airport-wide implementation of the technology expected by October.

#### **Importance of integration**

As with all great transformational shifts, the adoption of biometric technology into border processes is not without its challenges. How can airports harness the benefits of biometrics most efficiently? Integration with legacy business

processes and systems, and external systems such as government watch lists is a big challenge.

For it to be fully effective, integration must be cost-efficient and done in a way that works for every airline at every airport. The best way to do so is by leveraging the existing shared common-use IT infrastructure at airports around the globe.

And it's not as simple as integrating one or two systems. Comprehensive border control requires a multi-layered approach that encompasses several stakeholders across multiple systems and departments, starting with airports, airlines and government bodies.

It's only when you have comprehensive integration and collaboration between all relevant parties that you get real-time, intelligence-based risk assessment of passengers. SITA's ongoing work with the CBP demonstrates how it can use existing common-use infrastructure in airports to integrate biometric identification in one seamless experience. Being at the heart of the air travel industry, SITA is in a unique position to facilitate the necessary collaboration between airports, airlines and the government.

Accurately checking travel identities while facilitating a seamless and efficient passenger journey for all passengers remains one of the air transport industry's biggest challenges. For airlines, airports, and border authorities, biometric technology holds the key to unlocking a smoother passenger journey while ensuring national security remains top priority.

## EU Commission Wants More Security Cooperation with Morocco Against Undocumented Immigration



Morocco, a transit and destination country for migrants, has thwarted more than 54,000 undocumented immigration attempts in 2018.

Moroccan authorities are also overseeing security at the Morocco-Spain border, where hundreds of migrants try to jump the high double fence between Morocco and the Spanish enclave of Ceuta.

European Commissioner for Migration Dimitris

Avramopoulos responded to a question on border security, saying that the EU and Morocco are in “regular contact to strengthen their cooperation on migration and security.”

The commissioner also pointed out the importance of the cooperation between Spain and Morocco to tackle border security and migration issues.

“Spain and Morocco are cooperating continuously and closely in the field of border control in order to reduce the number of illegal crossings and the risk of potential terrorist infiltration,” he said.

He also spoke about the security bodies in cooperation to provide constant surveillance in the Mediterranean to prevent undocumented immigration and cross-border crime.

A Government Spokesperson Mustapha El Khalfi claimed that Morocco will not let its territory shelter human trafficking networks..

## Commission increases support for Spain to fight terrorism with an additional €4.2 million

The European Commission has awarded an extra €4.2 million in emergency assistance under the Internal Security Fund (ISF – Police) to support Spain’s efforts in the fight against terrorism and organised crime. The additional funding will assist in the purchase of equipment and technology to protect public spaces as well as to fight crime that takes place online, and in the darkest recesses of the Internet.

With this extra funding, the overall emergency assistance awarded to Spain since July to address migratory and security challenges now amounts to €32.6 million. This financial assistance comes on top of €691.7 million allocated to Spain under the Asylum, Migration and Integration Fund (AMIF) and the Internal Security Fund (ISF) national programme 2014-2020.

## Commission supports improving reception conditions in Greece with €37.5m

the European Commission has awarded an additional €37.5 million in emergency assistance under the Asylum, Migration and Integration Fund (AMIF) to improve reception conditions for migrants in Greece.

The Greek authorities will receive €31.1 million to support the provisional services offered to migrants, including;

healthcare, interpretation and food, and to improve the infrastructure of the Reception and Identification Centre of Fylakio in the Evros region in Northern Greece. The extra funding will also contribute to the creation of additional accommodation spaces within existing and new sites in mainland Greece.

## **“Create opportunities to reduce migration”, Kagame urges African leaders**

The migration crisis across the African continent can be addressed by governments doing more to create an enabling environment that provide opportunities for citizens to eliminate the the need to relocate elsewhere for survival.

This observation was made by President Paul Kagame during a televised interview by CNBC Africa.

The President said that quite often, some African countries do not do what is necessary to avoid incidences that lead the youth from the continent to risk their lives migrating to Europe for opportunities.

Often, youth migrating to Europe on boats lose their lives in the process while thousands have ended up being sold off as slaves.

“Whatever the merits of arguments that say, countries should receive them, there is a task we have to carry out; Our own situation is not retaining people in our country. We need to ask what we can do to retain people with talent and will,” he said.

Among the ways to reduce the trends of migration, he said, include improving governance, public investments and creating environments that allow economic activity which would translate into increased economic activity and job opportunities.

To attract the necessary resources and capital for investments, he called for increased consideration of public-private partnerships.

Demystifying the mode of resource mobilization and investment, the Head of State said that the partnerships are not themselves problematic but are often tainted by officials who are involved bad acts such as graft.

“If governments are prepared, it is not the public-private partnerships that are problematic. It is those who are involved in the transaction that becomes problematic. That is where corruption comes in,” he said.

The President also commented on the ongoing African Union reforms process which he said is a work in progress which calls for a change of mindsets among leaders and citizens.

President Kagame was tasked by fellow Heads of State to champion the reforms that are aimed at making the continental body more efficient to deliver better for the African people.

“We have to keep raising our voices to remind people of what needs to be done and have collective efforts,” Kagame who is the current AU chair said.

The African Union is also in the process of mobilizing signatures and ratifications to allow for the implementation of the African Continental Free Trade Area, which Kagame said would spur trade and economic growth across the continent.

He said that fears of the impact of the move by some countries were not justifiable as there were provisions such as Customs Union to ensure that the development would not have diverse effects on economies.

He spoke against protectionism saying that it is not healthy for regional blocs, the world or even the respective countries implementing it.

Protectionism by some countries would not serve well and would only invite other countries to implement the same, he said.

“Integration is a two-way street. Protectionism is not going to serve anyone well because the moment you start practicing it, you invite others to do the same. It is not healthy globally or when it comes to smaller regional entities,” President Kagame said.

Regarding concerns on increased investment and involvement of China on the continent, he said that Africa should consider the Asian nation as an investor and seek ways to have a mutually beneficial partnership.

“China makes investments, it is not charity. The question is: does Africa know what it wants when working with other parts of the world? If China offers an opportunity, we ask ourselves what Rwanda wants from China and how we can both benefit...I do not know of a place where China has gone and started grabbing things. If it happens, it is not the problem of China, it is the problem of the country where it is happening,” the President said.



## XI AMERIPOL SUMMIT - Argentina - The Road to Institutionalization



In August, Buenos Aires, Argentina hosted the 11th Summit of the Police Community of America, AMERIPOL, which was attended by the political and police authorities of Latin America and the European Union, the meeting served for the signing of the police cooperation agreement which seeks to promote the exchange of information between the two regions to combat organized crime at the transnational level. This document was signed by Argentina, Bolivia, Brazil, Ecuador and Panama; and it is expected that in the future countries such as Colombia, Peru and Mexico will adhere to it.

The AMERIPOL Summit was attended by the Minister of Security of Argentina Patricia Bullrich, who stressed that "one of the serious and profound problems of the continent is drug trafficking and the whole of narco-

criminal business, especially money laundering". In the same sense, the Ambassador of the European Union in Argentina stated that "In order to achieve this fight against organized crime, more and more collaboration is needed between national police and data exchange". The meeting served to highlight the support provided the EU to the Community of Police of America, which through the project Sipa I and Sipa II has allocated USD 7.5 million to strengthen the mechanism and police cooperation in the continent.

This event also served to introduce the new Executive Secretary of AMERIPOL, General Inspector Nelson Humberto Villegas Ubillús, General Commander of the National Police of Ecuador, who presented the Balance of Management of the Executive Secretariat, the objectives obtained during the administration of this institution which has held the position since 2015; The General in his management report, mentioned that for the remainder of 2018 there will be 11 training courses (5 in Ecuador, 3 in Mexico and 1 in Colombia, Bolivia and Panama).

The General Commander Gerardo José Otero, National Director of Gendarmerie Argentina President of AMERIPOL, as host of the event, gave the welcoming words to the Eleventh Summit of the Community of Police of America, to the more than 50 institutions and security organisations meeting at the event.

## Gendameria Nacional Argentina break up Organised Drug Trafficking



A judicial investigation has dismantled a criminal organization, composed of citizens of Russian nationality

and naturalized Argentine Russians, who affected the collection and the transportation of cocaine in diplomatic pouches to Russia.

From field operations and the analysis of the information, a controlled delivery of the narcotic substance was achieved, which was replaced by flour, destined for Moscow. Through international collaboration with the federal service of a fluid exchange of information with Russian security, the gendarmerie investigators maintained the detention of six (6) citizens of Russian nationality.

A total of three hundred sixty (360) rectangular packages yielded a total of three hundred eighty-nine kilos point four grams (389.40 kg.) of cocaine.

# AGENCY NEWS AND UPDATES

## **B**order Patrol agents rescue nearly 50 illegal immigrants from tractor trailer

Nearly 50 illegal immigrants are rescued during an alleged human smuggling attempt.

The incident happened at the I-35 checkpoint when a tractor trailer was referred to secondary inspection.

Agents say a canine alerted to the presence of concealed humans but the driver sped off. Agents were able to catch up to the tractor trailer and found 47 illegal immigrants locked inside the trailer..

## **W**orkshop to help strengthen border security, surveillance in Fiji



FIJI'S border agencies are in need of local and international assistance to address issues affecting our security, says Timoci Natuva, the director general for the National Security and Defence Review Committee.

Mr Natuva said it was imperative to create a legal framework and a standard operating procedure (SOP) for our border agencies. He said through the assistance of the Australian Border Force, the workshop would help participants discuss ways on how Fiji could strengthen its border surveillance.

"This workshop is a table topping exercise to test all the legal issues because every individual agency has its own legal issues in the way they do things," Mr Natuva said during the opening of a three-day workshop for border agencies in Fiji.

## **K**enya to intensify border patrols to curtail movements of militants

The Kenyan government said it will recruit more Kenya Police Reservists (KPR) to help intensify patrols along the Somalia border.

North Eastern regional commissioner Mohamed Birik told journalists that the reservists which normally complement Kenyan police efforts in community policing, will boost security along the porous border that the Somalia-based al-Shabab terror group have been using to make incursions into the country.

"The reservists will greatly boost the strength of our security officers patrolling the porous border. They will closely work with the chiefs and their assistants on daily engagements," Birik told journalists in Garissa..

## **A**gents Encounter Another Large Group of Immigrants



One hundred, twenty-one immigrants turned themselves in to Ajo Station

Border Patrol agents near the Senita Basin north of Lukeville.

The group was comprised of 111 adults and children from Guatemala and 10 from El Salvador.

Four days earlier agents found 163 illegal immigrants several miles west of Lukeville's Port of Entry. Ajo Station agents also encountered 128 illegal immigrants who had been abandoned by their smugglers, and another 103 people entered the U.S. as a group over a short period..

## **CBP officers seize counterfeit dolls, toys with excessive lead levels**



In two separate incidents, U.S. Customs and Border Protection Office of Field Operations officers working at the International Falls Port of Entry targeted a pair of rail containers prior to their arrival in Ranier that resulted in the seizure of counterfeit items and toys containing prohibited levels of lead.

The first incident began recently when CBP officers inspected one of the rail containers and discovered merchandise suspected of having lead levels exceeding the acceptable threshold.

Laboratory examination of the toys revealed excessive levels of lead. As a result, CBP seized 2,459 die cast transporter carry cases.

The second targeted container was inspected where CBP officers discovered 5,460 fashion dolls bearing copyright protected markings that violate intellectual property rights regulations. As a result, CBP seized those items. The counterfeit dolls have an aggregate manufacturer's suggested retail price of \$139,145..

## **Russian border guards detain two Ukrainian fishermen on Syvash lake**



Russian border guards have detained two Ukrainian fishermen on the Syvash lake. The border unit of the Russian FSB Federal Security Service has reported the Ukrainian citizens are accused of "illegal border crossing," RFE/RL's Krym-Realii media project has said.

Read also Ukrainian vessel detained near Russia-occupied Crimea - Police The Ukrainians were detained at the moment of mooring of a motor boat to the Crimean coast. "About 20 kg of gray mullets were found amid inspection of the boat," the report says..

## **Ethiopia-Eritrea border reopens after 20 years**

Ethiopians and Eritreans have been celebrating the reopening of two key crossing points more than 20 years

after a border war shut them.

Hundreds of people from the two countries hugged each other and some wept as their leaders led celebrations to mark the reopening.

Ethiopia also announced that its troops would start withdrawing from the border area.

These are the latest moves in the rapprochement between the ex-enemies..

## **Jamaican Gov't constructing three marine bases to strengthen border security**



Government is in the process of acquiring lands at key points across the island for the construction of three marine bases at a cost of \$80 million, as part of its efforts to protect Jamaica's borders by curtailing illicit activities.

The bases, which are to be located at Rocky Point in Clarendon; James Bond Beach, St Mary; and Alligator Pond in St Elizabeth, will be jointly established and operated by the Jamaica Constabulary Force (JCF) and the Jamaica Customs Agency (JCA).

Acting Director for Protective Security in the Ministry of National Security, Paul Henry, said in an interview with



JIS News that the areas for the bases were chosen based on intelligence.

"Intelligence and information would indicate that these specific geographical areas would be areas of concern, as it relates to interdicting shipments of contraband, whether they are regular contraband or high-security contraband. So it's really based on police analysis of Jamaica's coasts," he said..

## **R**aj Nath Singh launch first smart fence project along Pakistan border



The country's first 'smart fence' pilot project, which entails deploying laser-activated fences and technology-enabled barriers to plug vulnerable gaps along borders, has been formally launched by Home Minister Rajnath Singh along the India-Pakistan border. Singh travelled to Jammu to inaugurate the ambitious project on September 17.

The technology is being implemented by the Border Security Force and senior officials of the paramilitary presented a demo of the activation and response mechanism of the 'smart fence' before the home minister during the visit.

BSF Director General K K Sharma had said that such gadgetry will be deployed along 2,400 km of India's border with Pakistan and Bangladesh in the future.

The initiative is part of the comprehensive integrated border management system

(CIBMS) proposed to be deployed at these two borders by the Modi government as part of its decision to completely seal the two borders to stop infiltration and illegal migration.

## **U**S plans to pay \$20 million to help Mexico deport migrants

The US government wants to pay millions of dollars to help Mexico deport thousands of migrants who have entered the country hoping to reach the United States.

According to a notification State Department officials sent to Congress, \$20 million would be used to cover the cost of bus and plane tickets to deport migrants from Mexico to their countries of origin.

The funding would be transferred from the State Department to the Department of Homeland Security as part of a "migrant removals pilot" that could result in the deportation of up to 17,000 people from Mexico, the notification said..

## **S**YRIA and Jordan in talks to re-open key border crossing



Syria and Jordan officials held talks that could re-establish trade between the two countries, with plans to open a key border crossing as early as this year.

Technical teams from Syria and Jordan held their first meeting since the al-Nassib border crossing closed in 2015, following attacks on Jordanian security forces by militants.

Jordan - which has suffered financially in recent years - loses around \$800 million in lost revenues from the closure of the border.

If the talks are successful, then the border could be re-opened by the end of the year, seeing trade between the two countries flowing once again..

## **E**G inaugurates immigration border patrol base



The Minister of Interior, retired Lt.-Gen. Abdulrahman Dambazau, on Thursday in Katsina inaugurated the country's first operational border patrol base established by the Nigeria Immigration Service (NIS).

The base, sited at Mazanya community in Jibiya Local Government Area bordering Niger Republic, is part of measures by the NIS to effectively police the country's expansive borders.

Represented by Mr Mohammed Umar, the Permanent Secretary in his ministry, Dambazau said the facility would add impetus to the nation's fight against irregular migration and cross-border criminality.

"The responsibility of securing the

territorial borders of a vast country like Nigeria is quite enormous and overwhelming.

“This is why establishing border patrol bases is timely as a means of supporting existing border patrol structures by intensifying surveillance along notorious routes and enforcing our immigration laws.

“It is our belief that the operation of this patrol base and others that will come on stream will add impetus to the fight against trafficking in persons, smuggling, proliferation of small arms and light weapons and other forms of cross-border crimes across our borders.”

## **Carla Provost officially named first woman to lead Border Patrol**



US Customs and Border Protection announced that acting US Border Patrol Chief Carla Provost will be dropping the “acting” and officially named chief of Border Patrol - the first woman to hold the position.

Calling it a “historic” announcement, CBP Commissioner Kevin McAleenan introduced Provost at a news conference saying, “Carla is an agent’s agent” and that he and Homeland Security Secretary Kirstjen Nielsen have “unwavering confidence” in her ability to lead the agency.

Reflecting on the historic nature of her

appointment, the more than 20-year veteran of Border Patrol noted that “many women ... paved the way” for her appointment.

“I can guarantee you this, I may be the first female chief of the Border Patrol, but I am certain I will not be the last,” Provost said..

## **Mexico’s Next President Plans His Own Border Police Force**

Mexico’s President-elect Andres Manuel Lopez Obrador is planning his own border police force to stop undocumented immigrants, drugs and guns from crossing into the country from Central America, his future chief of public security said.

Picked by Lopez Obrador, Alfonso Durazo stressed that the new force would be part of a larger regional development effort to ease the poverty and violence that lead so many Central Americans to cross into Mexico. The police corps will be sizable, he said, and will be deployed to Mexico’s northern border as well.

## **US Customs and Border Protection to Test Blockchain Shipment Tracking System**

One of the largest law enforcement agencies in the U.S., Customs and Border Protection (CBP), will launch a live test of a blockchain-based shipment tracking system.

In the upcoming test, the CBP will reportedly combine two separate systems: the CPB’s legacy application and a blockchain-powered platform

developed by the agency’s parent body — and the country’s primary border control organization — the Department of Homeland Security (DHS).

The test results will determine how the distributed ledger technology (DLT) is able to enhance the verification process of certificates of origin from the partners of the North American Free Trade Agreement and the Central America Free Trade Agreement, as well as reduce the time-consuming procedure of the resubmission of shipping data.

While testing, the agency also intends to establish standards of interaction between different blockchains in order to ensure that all firms and software will be easily connected to customs without the need for additional customization..

## **South Sudan, Ethiopia to form joint border security force**

Ethiopia and South Sudan have agreed to form a joint border security force to safeguard peace and stop the flow of arms between the two countries.

The two countries inked an agreement following a two-day border security meeting that ended in Gambella in Ethiopia recently.

The Governor of Boma State, Gen David Yau Yau, signed on behalf of South Sudan, with Dr Gatluak Tut Khot, the President of Gambella region, signing on behalf of Ethiopia.

# THE NEED FOR COMPROMISE ON MIGRATION AND BORDER REFORM

[The European Commission proposes last elements needed for compromise on migration and border reform](#)

On 12 September 2018, on the occasion of his State of the Union Address, President Jean-Claude Juncker said: “We cannot continue to squabble to find ad-hoc solutions each time a new ship arrives. Temporary solidarity is not good enough. We need lasting solidarity – today and forever more.”

In his State of the Union Address 2018, President Jean-Claude Juncker presented 3 new and ambitious proposals to ensure full EU solidarity on migration and better protection of

Europe’s external borders. These new initiatives are being presented one week ahead of the Informal Meeting in Salzburg and constitute a concrete contribution to the discussions that EU Leaders are expected to have on migration. They are intended to facilitate an overall compromise on the ongoing reform of the EU’s asylum system. Today’s proposals set a new level of ambition for the European Border and Coast Guard and the EU’s Agency for Asylum, reinforcing both to ensure that Member States can rely on full EU operational support



at all times. The Commission is also today proposing to improve the effectiveness of return procedures, updating existing EU rules on return, and setting out the next steps on legal migration, an essential component of a balanced migration policy.

First Vice-President Frans Timmermans said: "The European Border and Coast Guard's new operational arm of 10,000 EU staff and a reinforced EU Asylum Agency will ensure EU solidarity is effectively delivered on the ground – whenever and wherever needed. We are providing Member States with the necessary tools to agree on the overall reform of the EU's asylum system and strike the right balance between solidarity and responsibility. It is now high time they deliver on this commitment."

Commissioner for Migration, Home Affairs and Citizenship Dimitris Avramopoulos said: "Today we offer more Europe where more Europe is needed by maximising EU support on border and migration management. From now onwards, the European Border and Coast Guard and the future EU Agency for Asylum will be able to ensure EU solidarity on the ground at all times, in all situations, whilst fully respecting Member States' competences. We are also putting in place stronger rules on return to ensure a more harmonised and effective return system across the EU. Finally, we call on Member States to deliver credibly and ambitiously on legal pathways, both for humanitarian and economic purposes."

Enormous progress has already been made on the overall work to reform the Union's Common European



Asylum System. The intense efforts of the past two years mean that 5 out of the 7 proposals tabled by the Commission in 2016 are close to being finalised. Today's additional elements are intended to help achieve a compromise on all proposals taken together. The Commission is today responding to the call from Leaders at the European Council of June 2018 and preparing the ground for swift progress on all asylum reforms.

**A fully equipped European Border and Coast Guard**

Building on two years of work, the Commission is proposing to reinforce the European Border and Coast Guard even further and give it the right level of ambition, corresponding to the common challenges Europe is facing in managing migration and borders. While the mandate of the European Border and Coast Guard expands, it serves to support Member States and does not replace their responsibilities

in external border management and return. Today's proposal includes:

- A standing corps of 10,000 operational staff by 2020: To ensure predictable and appropriate resources, the Agency will be able to rely on its own staff and its own equipment, such as vessels, planes and vehicles;
- Executive powers: Under the authority and control of the Member State to which they are deployed, members of the EU Border and Coast Guard standing corps will be able to carry out tasks requiring executive powers such as identity checks, authorising or refusing entry at the external borders, and intercepting people at the border in order to ensure their full operational effectiveness;
- More support on return: In addition to organising and financing joint return operations, the Agency will



now also be able to support return procedures in Member States, for example by identifying irregularly staying non-EU nationals, acquiring travel documents and preparing return decisions for national authorities, who remain responsible for taking the actual return decisions;

- Stronger cooperation with non-EU countries: The Agency will be able – subject to prior agreement of the country concerned – to launch joint operations and deploy staff outside the EU, beyond countries neighbouring the EU;
- Increased financial means: The total cost of the proposed upgrade of the European Border and Coast Guard amounts to €1.3\* billion for the period 2019-2020. Under the next EU budget period 2021-2027, a total of €11.3 billion is proposed.

A reinforced Asylum Agency

Today's proposal will further equip

the future EU Asylum Agency with the necessary mandate, tools and financial means needed to provide a rapid and full service to Member States throughout the asylum procedure. Today's proposal includes:

- Full operational support on asylum procedures: The Agency's asylum support teams will be available to provide the full range of support activities, including by carrying out the entire administrative stage of the asylum procedure;
- Joint EU migration management teams will support Member States when needed and requested, including in hotspots and controlled centres. Composed of experts from the European Border and Coast Guard, the EU Agency for Asylum and Europol, the teams will be coordinated by the Commission. Under the authority of the host Member State, they will be able to carry out all

tasks necessary to receive arrivals, distinguish between persons in need of protection and those not and carry out asylum and return procedures;

- Increased financial means: To ensure the Agency can carry out its increased tasks, the Commission proposes a budget of €321 million for the period 2019-2020 and €1.25 billion for the period 2021-2027.

A stronger and more effective European return policy

A targeted review of the Return Directive will contribute to speeding up return procedures, better prevent absconding and irregular secondary movements and increase effective returns in full respect of fundamental rights.

- A new border procedure: Persons whose asylum applications have been rejected during border procedures will be channelled directly towards a simplified return procedure, with no period for voluntary departure and shorter time limits for appeals. This will ensure that return decisions can be quickly adopted and fully enforced at the border and in controlled centres;
- Clear procedures and rules to prevent abuses: To avoid delays, return decisions will have to be issued immediately after or together with a decision ending the legal stay. Common timelines of a maximum of 5 days will apply for appeals to return decisions in the case of rejected asylum seekers and an obligation to cooperate for persons subject to a return procedure will be introduced, including on identity verification and to obtain travel documents;

- **Efficient voluntary returns:** To promote voluntary returns and enhance financial and practical support, Member States will have to set up voluntary return programmes. At the same time, Member States will be able to shorten the period granted for voluntary return, for example to prevent absconding;

- **Clear rules on detention:** Common criteria to determine the risk of absconding, one of the determining factors for whether detention would be justified, will help ensure a more efficient use of detention during return procedures in full respect of fundamental rights. To better reflect the period of time needed to successfully carry out returns, and provided the conditions for the need to make use of detention are met, Member States should allow for an initial detention period of not less than 3 months. In addition, Member States will now also be able to detain persons subject to a return decision who pose a threat to public order or national security.

#### Enhancing legal pathways to Europe

Developing orderly legal pathways for persons in need of protection as well as creating attractive channels for needs-based labour migration is an indispensable element for a balanced and comprehensive migration policy. The Commission has already put forward a number of initiatives and proposals to strengthen safe and legal migration which should now be swiftly implemented by Member States:

- **New EU Blue Card:** The Council should agree on the new EU Blue card



scheme proposed by the Commission already in 2016 to attract highly-skilled workers to the EU and improve the competitiveness of the EU economy;

- **Resettlement:** Member States must step up delivery on their commitment to resettle 50,000 persons in need of international protection by October 2019. To ensure fully coordinated efforts in the long term, an agreement should be found on the Commission proposal from 2016 for a Union Resettlement Framework;

- **Strengthen cooperation with non-EU countries** including by launching pilot projects on legal migration with key African countries by the end of 2018 that can help improve cooperation on overall migration management.



# BORDER MANAGEMENTS ANNUAL GATHERING

## EVENT PREVIEW



**19<sup>th</sup>-21<sup>st</sup> March 2019**  
**Casablanca, Morocco**  
[www.world-border-congress.com](http://www.world-border-congress.com)

The annual gathering of the international border management and protection community moves to Casablanca, Morocco on 19th-21st March 2019.

Co-hosted by the Ministry of Interior and General Secretariat for Migration and Border Surveillance of Morocco (Directeur de la Migration at de la Surveillance des Frontieres), the World Border Security Congress is delighted to be welcomed to the North African country and economic hub of the region.

The 2019 World Border Security Congress will see over 230 delegates from more than 50 countries gather for the 3 day meeting for some great discussions, meetings, workshops and networking with colleagues and peers from the global border security community.

Borders in the Maghreb are increasingly dangerous. Armed with tools designed for the pre-Arab Spring environment, Morocco, Algeria and Tunisia face a complex new world of transnational actors that leverage



borders for profit and for sanctuary.

The Arab Maghreb Union (AMU) was designed to deepen cooperation among the Maghreb states, buttress the region's economy through greater interregional trade, enable the free movement of people, and lay the groundwork for future political integration. However, the promise of an integrated Maghreb has not materialized, though the union still exists.

The region is also a main thoroughfare for the West African human trafficking and migration route to Southern Europe, with access to Spanish soil and the EU border in the North African enclaves of Melilla and Ceuta, just a short journey from mainland Europe across the Mediterranean, whilst smuggling of arms and illegal goods across North Africa also adds pressure on the governments and border security forces of the region.

Advancements in technology are assisting in the battle to maintain safe and secure international travel

## 2019 Topics of Discussion

### Identifying and Understanding the Latest and Evolving Threats and Challenges for Border Agencies

As border management techniques and technologies evolve, so too will the threats as criminal gangs, terrorists, traffickers and smugglers develop new ways to evade detection. Identifying and understanding new threats and disseminating information to frontline agencies and partners is key to future success.

### Border Management - from Risk Management to Foreign Fighter and CT Strategies

US intelligence estimates in excess of 40,000 total foreign fighters have gone to the conflict. These men and women present a massive threat to the international security and a huge challenge to the global border management community. Identifying these individuals at border crossing points still presents the best opportunity apprehend these individuals. Developing strategies and technologies to do must be a priority.

### Implementing Biometrics and Advanced Passenger Information

Biometrics is playing a key role in traveller identification, but how can it be used in a holistic approach, with API and PNR, to enhance traveller facilitation and improve border management.

### Migration and Human Trafficking Challenges on Global Border Management

Borders are the 'frontlines' for anti-trafficking interventions, but still very few victims are picked up at the border. What strategies, policies, training and technology should be implemented to stamp out this oldest of human scourges.

### Cyberborders and the challenges of developing them

Cyber crime has no borders. What place and function do border agencies have and what strategies do they need to develop to protect cyber borders.

### Border Security Information and Coordination

Whether it is returning foreign fighter, human training,, cross border organised crime, protecting cyberborders interagency co-operation and information sharing is the key to success. What else needs to be done to make the aspiration a reality?

### Surveillance Systems and Technologies on the Border

How far are we from the development and implementation of future technologies for really smart border control? What are the technology gaps and how do we close them?

### Future trends in International Border Management

As the global economy continues to develop at unprecedented rates, with ever increasing interdependencies and complexities. The global economy depends increasingly dependent on the free movement of people and goods. Understanding future trends in international trade, people movement and crime will drive the development of international border management in the future.



and detect illicit goods and smuggling. The border security professional still remains the front line against these threats.

The World Border Security Congress is a high level 3 day event that will discuss and debate current and future policies, implementation issues and challenges as well as new and developing technologies that contribute towards safe and secure border and migration management.

Supported by the Organisation for Security & Cooperation in Europe (OSCE), the European Association of Airport and Seaport Police (EAASP), the African Union Economic, Social and Cultural Council (AU-ECOSOCC), National Security & Resilience Consortium, International Security Industry Organisation and International Association of CIP Professionals, demonstrating the World Border Security Congress remains the premier multi-jurisdictional global

platform where new ways through new challenges and treating those challenges as opportunities to do things better in the future.

#### REGISTRATION OPEN

Governments around the world need to continue to invest in their border security, as a wide range of threats, such as combating terrorism, controlling the movement of goods and monitoring personnel across international borders, continue to pose challenges requiring round the clock monitoring.

Registration for the 2019 World Border Security Congress is now open and if you are interested in attending, register your place at [www.world-border-congress.com/registration](http://www.world-border-congress.com/registration).

Further details and the agenda will shortly be announced and can be viewed at [www.world-border-congress.com](http://www.world-border-congress.com).

#### AU-ECOSOCC Workshop:



The African Union Economic, Social and Cultural Council (AU-ECOSOCC) will be hosting a Workshop on the margins of the Congress to understudy the situation and proffer necessary solutions that will address the issues of Migration in Africa.

Africa is continuously losing its young, vibrant human resources and future through irregular migration, leading through the path of death to Europe and other developed Nations. This has continued to lead to loss of thousands of lives, brain drain and depletion of Africa's human resources.

The Side Event with the theme "Migration - Creating Opportunities for Young People In Africa" will be highly interactive with Keynote presentations, Panel discussions centered on a meaningful dialogue among participants and stakeholders.



European Association  
of Airport and Seaport Police





## PureTech Systems begins delivery of video analytics for MVSS systems to DHS' Customs and Border Protection

PureTech Systems recently announced delivery of several mobile versions of its PureActiv wide area video surveillance software suite, including its patented geospatial video analytics, to the Department of Homeland Security's Customs and Border Protection (CBP) as part of the Mobile Video Surveillance Systems (MVSS) program.



The MVSS program, won by Tactical Micro of Fredericksburg VA, a division of Benchmark Electronics, consists of a complete mobile surveillance platform to aid the U.S. Border Patrol to track and identify Items of Interest (IOI) along the U.S. southwest border.

The MVSS includes an all-terrain pickup with a surveillance sensor payload mounted on a pneumatic mast system which can raise the sensors up to a height of 30 feet. The mobile vehicle sensor

payload includes a thermal camera, visible camera, long-range illuminator, laser range finder, cab mounted command and control, as well as, other power management and deployment capabilities. Within the MVSS, PureTech Systems software provides the command and control (C2), as well as, the long-range camera pointing and video analytics.

The objective of the MVSS is to provide a rapid deployment short- and medium-range mobile surveillance directly from

Border Patrol vehicles. An agent can deploy the system, which can then aid in detecting, tracking, identifying and classifying items of interest using the video feed and on-board

software. The agent/operator can then use that information to monitor the situation, respond to events, or share the information to assist other agents.

## everis installs automated border control systems in the airports of Alicante, Barcelona, Mallorca, and Menorca

everis has supplied and installed 220 new and state-of-the-art automated border control systems in the airports of Alicante, Barcelona, Mallorca, and Menorca..



These systems, commonly known as ABC (Automated Border Control), integrate advanced document verification and biometric technologies to optimize performance in passenger processing times, depending on the type of document used and the experience of the user with this type of unmanned gates. Also, these systems increase the security at the airports where they are

installed.

Among the highlights of the project, it is worth mentioning that the airport of Mallorca now has the largest rows of automated border control systems in Spain, having forty ABC gates per row.

The systems developed and implemented by everis work by means of passport and electronic ID readers, and they

also integrate biometric recognition, both facial and fingerprint, to ensure a correct identification of passengers.

Moreover, the gates are integrated with the National Police databases in order to locate wanted individuals or stolen documents.

## **TSA Awards Integrated Defense and Security Solutions (IDSS) a \$2.8 Million Option for the DETECT™ 1000 Dual Energy Computed Tomography Checkpoint Baggage Screening System**

Integrated Defense and Security Solutions (IDSS) announced today that the Transportation Security Administration (TSA) has awarded a contract option, valued at approximately \$2.8 million under the TSA Accessible Property Screening System (APSS) program.



Under the option exercise, TSA acquired additional advanced DETECT™ 1000 screening systems, IDSS Auto-Diverter Systems as well as deployment and integration of the scanner with various Automated

Screening Lanes.

The DETECT™ 1000 is currently operational at Boston's Logan Airport, Houston's Hobby Airport and Cincinnati/Northern Kentucky International Airport. Several other

U.S. and international customers have also obtained IDSS systems. The additional systems purchased under this contract option are scheduled to be installed in Fiscal Year 2019 at six U.S. domestic airports. The award of this contract option compliments a number of development

contracts IDSS has recently been awarded by other agencies and organizations. These contracts, totaling over \$13 million, are for adding new capabilities to the DETECT™ 1000 to advance the automated detection of certain threat types, as well as to develop new solutions

## **FLIR Systems Acquires Acyclica**

FLIR Systems has announced that it has acquired Acyclica, Inc., a leading developer of software for automotive roadway and intersection data generation and analysis.

Acyclica's solutions provide high-resolution, real-time traffic information to transportation department end-users to make roads safer, reduce congestion, and improve overall efficiency and performance of thoroughfares.

"Acquiring Acyclica is a key step for our ITS business in that it adds a new sensing platform and a data analytics software element to our mission to provide complete and valuable traffic optimization solutions for our global transportation system customers," said

James Cannon, President and CEO of FLIR. "The great efficiencies that are created with these ITS systems fits our mission of improving livelihoods and adds to our broader smart and safe city solutions. Additionally, we feel the capabilities of the Acyclica team in data analytics and software platforms is scalable across numerous other FLIR businesses."

The Acyclica business will be part of FLIR's ITS division within FLIR's Commercial Business Unit. FLIR anticipates this transaction to be neutral to 2018 net earnings.

## TSA and L.A. Metro partner to provide advanced passenger screening system for L.A. County's transit system

The Transportation Security Administration (TSA) has partnered with the Los Angeles County Metropolitan Transportation Authority (Metro) to deploy a new advanced portable passenger screening technology that will help detect weapon and explosive device security threats on the county's transit system.



Metro is the first surface transportation agency in the nation to purchase such an advanced, high-tech security device to help keep transit riders safe from person-borne

improvised explosive devices or other weapons that are intended to cause mass casualties.

Following a series of tests over the last year of TSA-vetted and approved

security technologies at its stations, Metro has now purchased several Thruvision TAC-TS4 portable terahertz millimeter wave passenger screening devices. The units can be placed at locations throughout the Metro system and are equipped with software that quickly and unobtrusively screens individuals for concealed threats. The units can identify both metallic and non-metallic objects. The devices identify objects that block the naturally occurring waves produced by a person's body. When an object is hidden in clothing or

strapped to a person, these waves are blocked and detected by the system's software. The software generates generic avatars and creates either a black spot on the area of the body where the item is concealed or overlays a color indicator. The technology does not emit radiation of any kind and no anatomical details are displayed. The device allows law enforcement agents and Metro Security to screen rail and bus patrons without disrupting foot traffic and to take decisive, pre-emptive action if suspicious items are found.

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