



10th UIC World
Security Congress
Lisbon 2014



Civil Protection role whithin railway

Integrated System for Relief Operations



Lisbon – 27 November 2014

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National Operations Assistant
National Command for Relief Operations

Civil Protection



PRIORITY

PREVENTION

PRECAUTION

SUBSIDIARITY

COOPERATION

COORDINATION

UNIQUE COMMAND

INFORMATION

*Understood as an activity carried out by the State, by the Regions, by the local authorities, by every citizen and by public and private entities, with the aim of **preventing collective risks associated with accidents, emergencies and disasters, attenuating its effects, protecting people and the environment and assisting those in danger.***



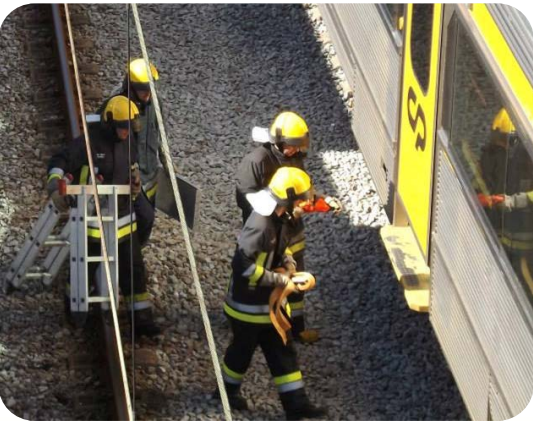
Civil Protection

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Mission

Plan, coordinate and carry out the civil protection policy, namely in what concerns risk prevention and response to major accidents and disasters, directing the fire brigades activities and performance.



Civil Protection Objectives

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PREVENT

MITIGATE



SUPPORT

RESCUE



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Purposes

Set of structures, rules and procedures.

Aims to respond to situations of imminent or occurrence of a major accident or catastrophe.

All agents acting at the operational level under a single command, in relief operations.



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Coordination Structures

- Ad-hoc structures
- Integrate representatives from all Civil Protection Agents and other relevant institutions

Command Structures

- Permanent Structures
- Responsible to guarantee the necessary actions towards the occurrence of serious accidents or disasters, in coordination with all other relevant institutions





Integrated System for Relief Operations

National

- National Operational Coordination Centre

District

- District Operational Coordination Centers

Municipal

- Municipal Civil Protection Commission

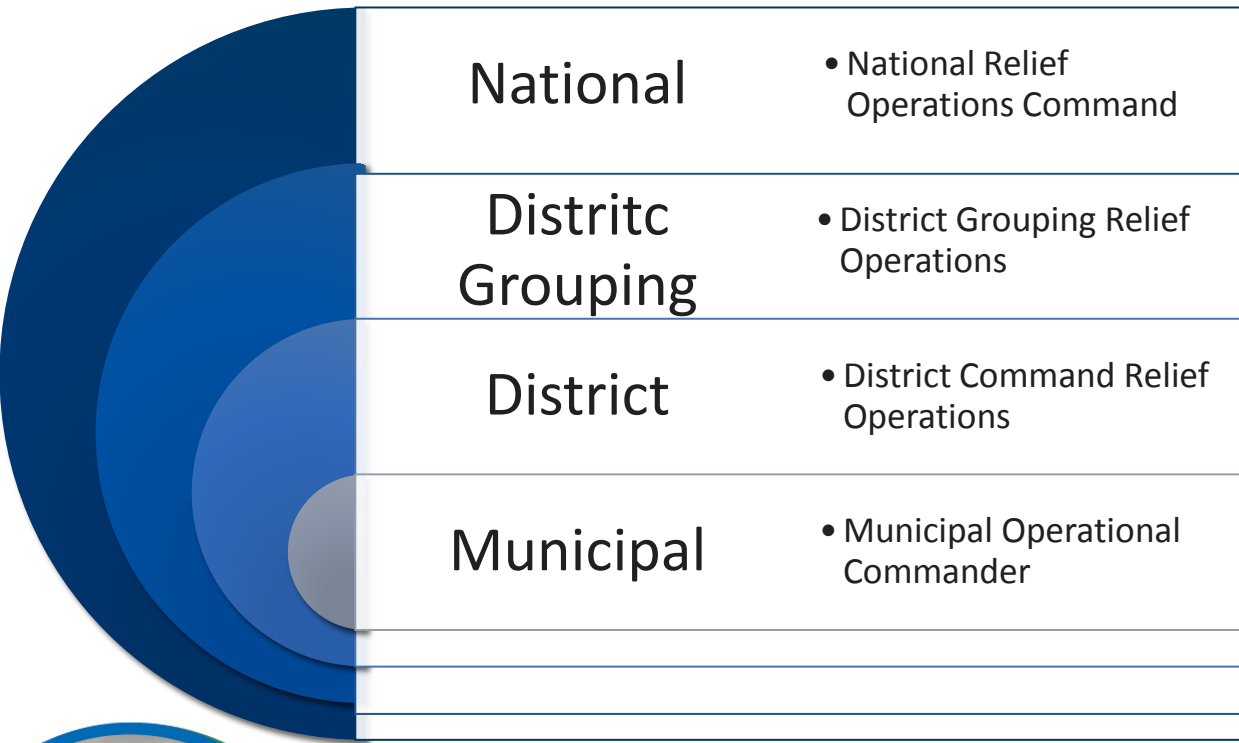
Institutional
Coordination





Integrated System for Relief Operations

Operational Command



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Fire Brigades



National Police

National
Republican Guard



Armed Forces

National Institute
for Medical
Emergencies

Maritime and
Aeronautical
Authorities



INEM



Lisbon, 26-28 November 2014



An integrated system with committed firefighters

humanitarian associations

412

municipalities

18

sappers (fully professional)

6

private (industries)

13

449

fire brigades



29 266

on active duty

1 121

command staff

21 426

others (reserve, etc)

29 387
firefighters



Firefighters Special Force

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Created in 2005, under direct dependency from the national authority for civil protection, with 266 full time operationals.

Capable of intervening in wildfires, floods, SAR and hazmat incidents, featuring rapid deployment and permanent availability.



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Rescue and Relief Protection Group

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Created in 2005, under direct dependency from the national republican guard, with 600 full time operationals.

Capable of intervening in wildfires, floods, SAR and hazmat incidents, featuring rapid deployment and permanent availability.



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2 Permanent Helicopters



Assessment and reconnaissance

Experts and equipment deployment

MEDEVAC and organ transportation

Command and coordination

Search and Rescue

Wildfire suppression





National Authority

1

National command

5

Regional commands



18

District commands



Municipal services



Support System

Operation Decision

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Nº Ocorrência	Natureza	Local	CDOS
201300000083	CNOS	Aveiro	
2013010010517		Aveiro	
2013010010577		Aveiro	
2013010010617		Aveiro	
2013010010622		Aveiro	
2013010010624		Aveiro	
2013010010629		Aveiro	
2013010010631		Aveiro	
2013010010637		Aveiro	
2013010010646		Aveiro	

Air MEDEVAC from H. Universitário Coimbra to Hospital Viseu using a Kamov heli and its Air MEDEVAC Team (INEM).



Support System

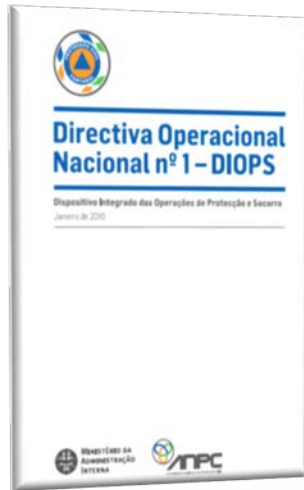
Operation Decision

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Operational Response Mechanisms

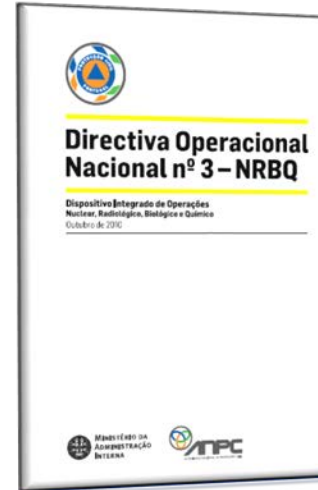
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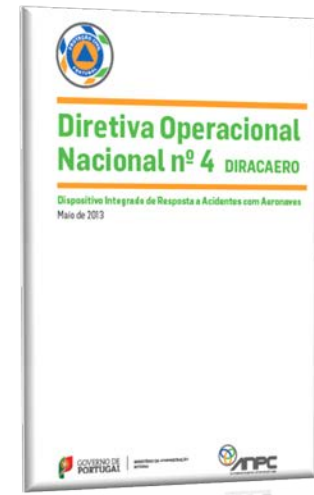
**General relief
operations**



**Forest fire
operations**



**CBRN relief
operations**



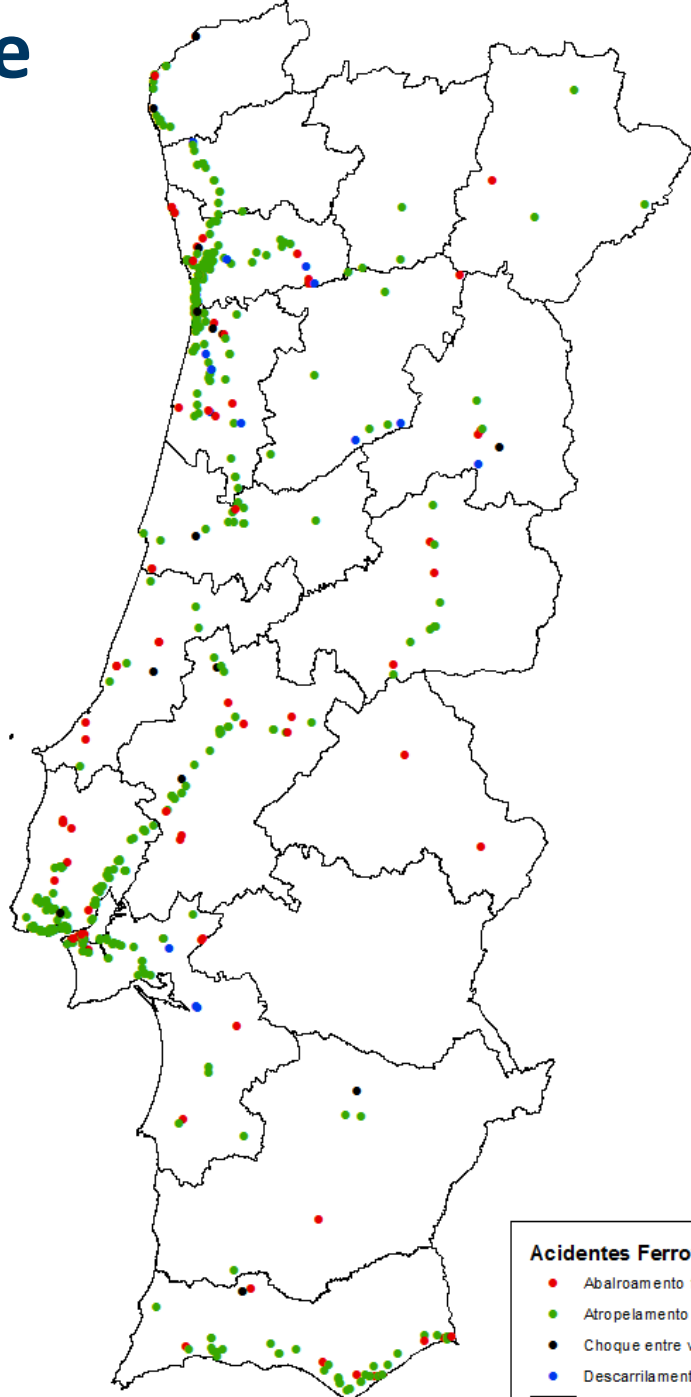
**Aerial accidents
relief operations**



Number and incidents type

Type of incident (09/14)	N.º	%
Running over (●)	480	77,4
Crash with vehicles (●)	98	15,8
Crash between trains (●)	24	3,9
Derailment (●)	18	2,9
Total	620	100

Type of incident (2014)	N.º	%
Running over (●)	70	81,4
Crash with vehicles (●)	12	14,0
Crash between trains (●)	0	0
Derailment (●)	4	4,7
Total	86	100



Acidentes Ferroviários 2009-2014

- Abalroamento ferroviário
- Atropelamento ferroviário
- Choque entre veículos ou composições ferroviárias
- Descarrilamento ferroviário
- Distritos



Incident Commander



The decision of the organization's development is the responsibility of Incident Commander

Incident Commander is responsible for the entire operation





Incident Command Post (ICP)

Responsible for all activity on ICP

IC

- Safety Officer
- Liaison Officer
- Public Relations Officer

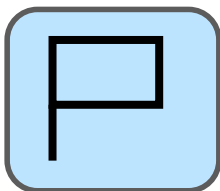
ICP

1 responsible in each cell

**Planning
CEPLAN**

**Operation
CELOP**

**Logistics
CELOG**



Information Centre

Anticipation Centre

Centre of Experts

Air Means Coordination Centre

Intervention sectors

Centre of Means and Resources

Centre of Communications and Information Systems





IZ / Intervention Zones

The IZ, are configured as circular areas, variable amplitude and adapted to the circumstances of the incident and terrain configuration, and may have :

- Incident Zone (IZ);
- Support Zone (SZ);
- Concentration and Reserve Zone (CRZ);
- Reinforcements and Reception Zone (RRZ).



Onsite Organization

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Onsite Incident

It is the geographical area which includes:

Incident Zone (IZ);

Support Zone (SZ);

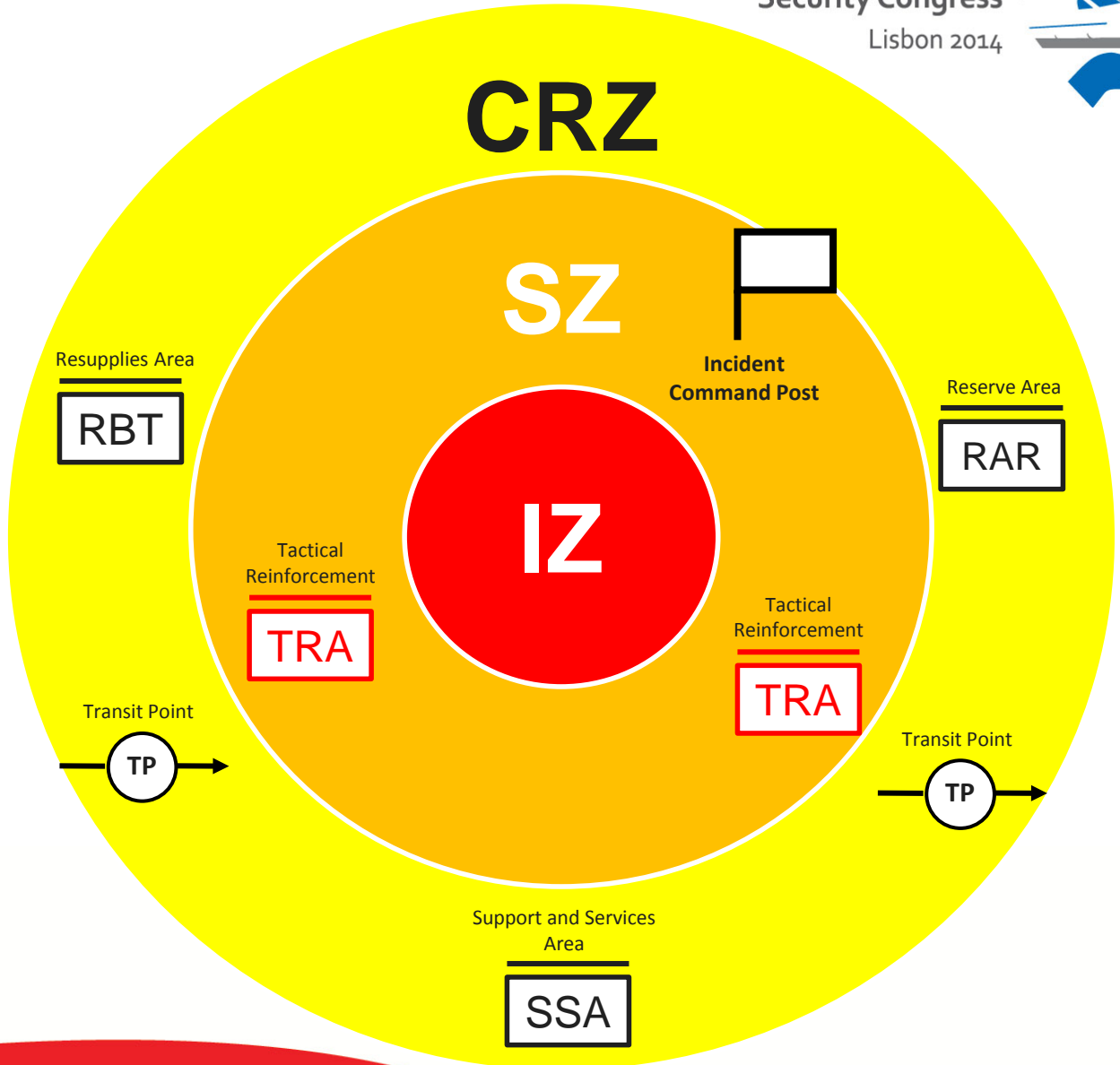
Concentration and Reserve Zone (CRZ).

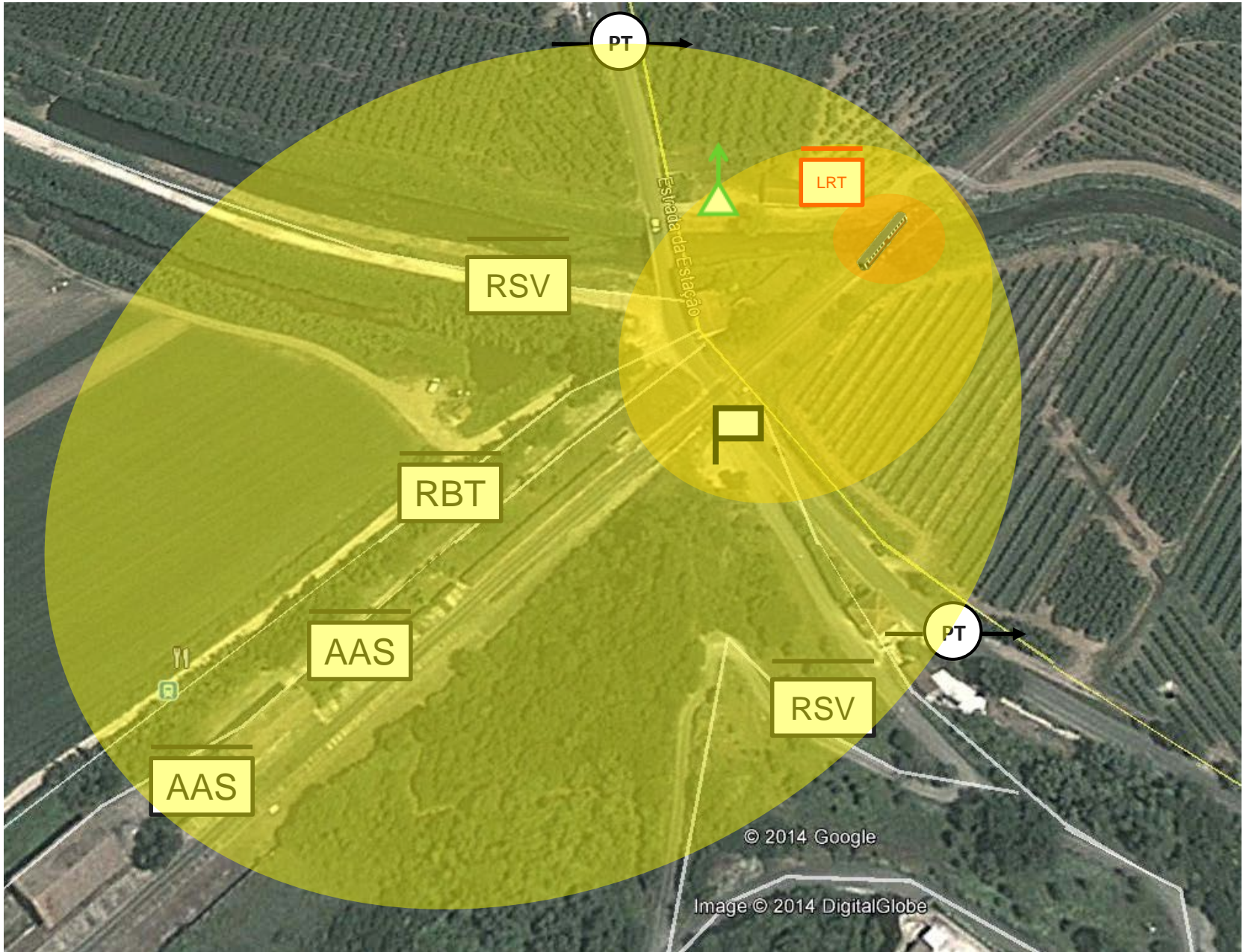


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Onsite Organization





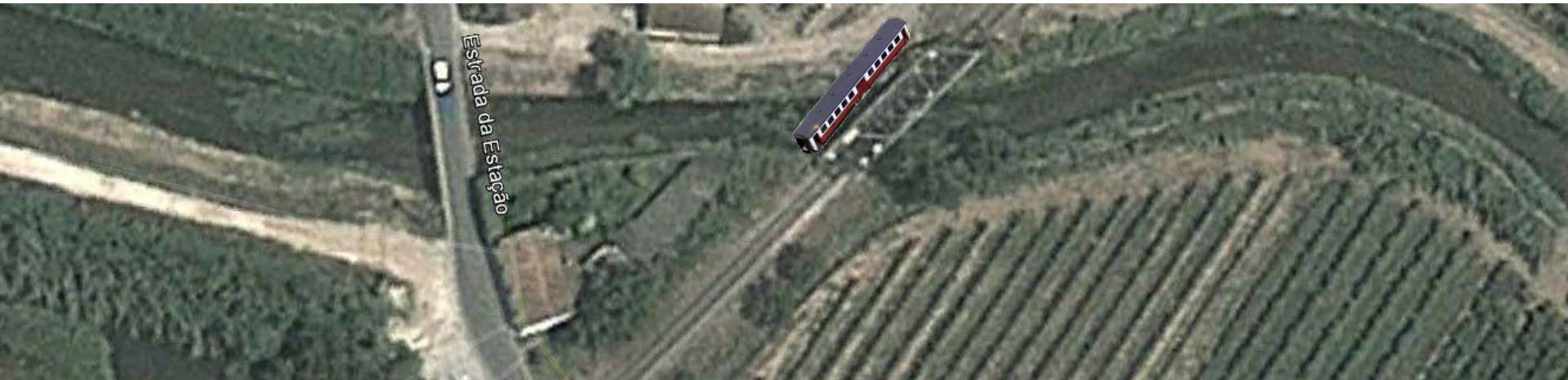
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An Incident Zone is organized in sections corresponding to geographic or functional areas according to the type of accident and strategic options considered;

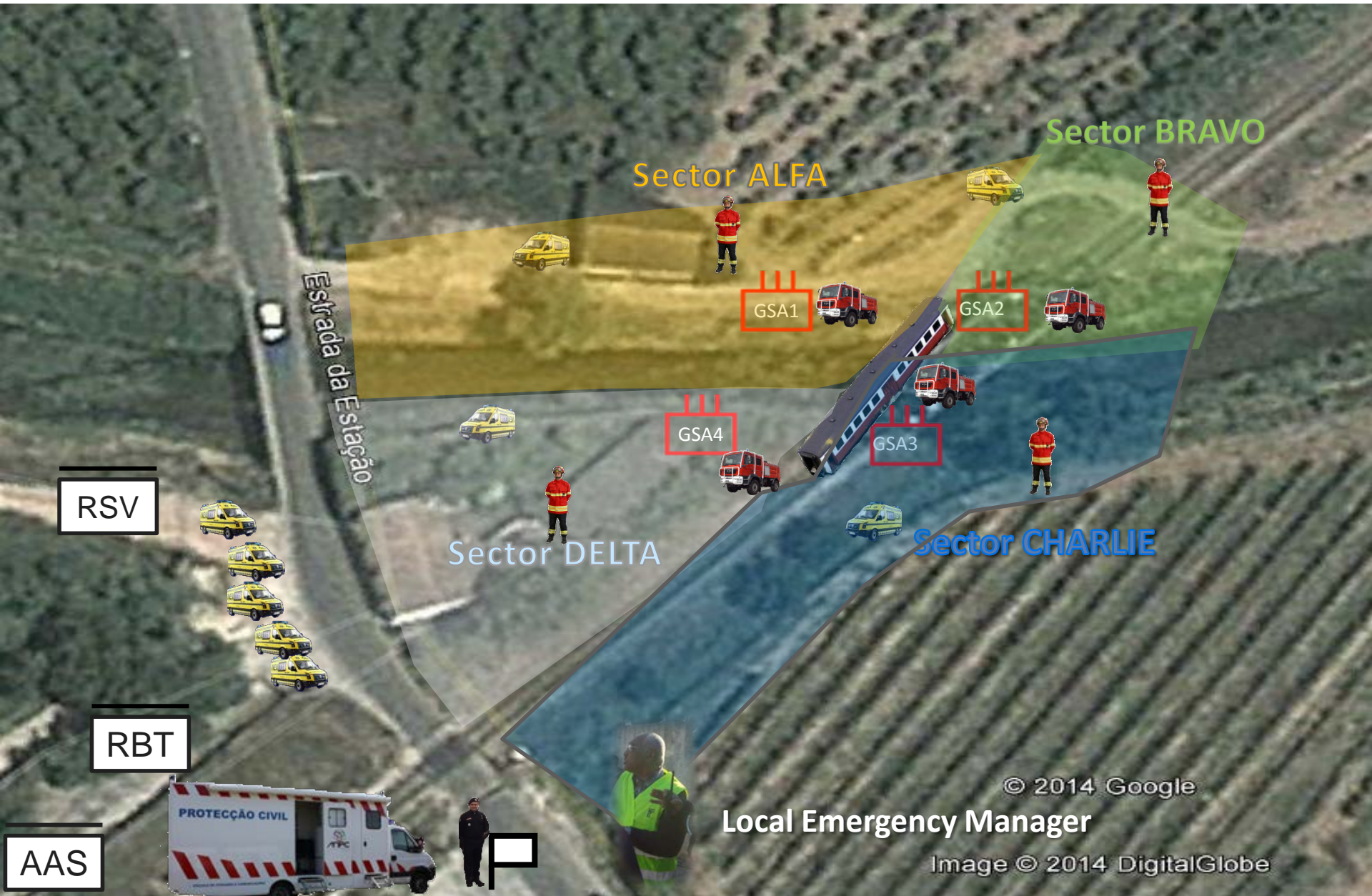


The incident zone sectorization is the responsibility of the IC

Each sector has a responsibility that assume Sector Commander designation.



Onsite Organization - Sectorization





*The organization must precede the arrival
of more resources ...*

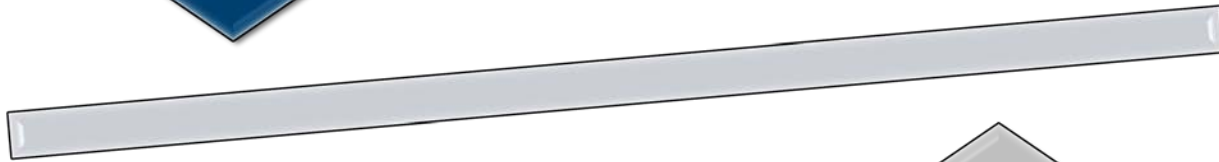




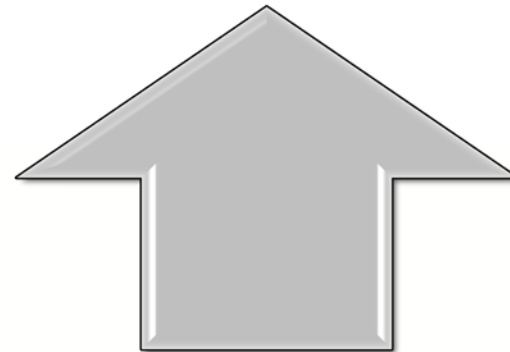
The success of the operation depends ...



Knowledge
of the needs



Knowledge
of available
resources



Keeping the public in the loop

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ANPC - Autoridade Nacional de Protecção Civil

CONTACTOS: MAPA DO SITE, PESQUISA, ENGLISH, PERCENTUAS FREQUENTES

PROCI.V BOLETIM MENSAL 112

SISTEMA NACIONAL, AUTORIDADE NACIONAL, BOMBEIROS, SEGURANÇA CONTRA INCENDIO EM EDIFICIOS, PREVENÇÃO E PROTECÇÃO, INFORMAÇÃO PÚBLICA, RELAÇÕES INTERNACIONAIS, LEGISLAÇÃO, CONCURSOS, GLOSSÁRIO, IMPRENSA, CAMPANHA PORTUGAL SEM FOGOS, LINHAS VERDES, SITUAÇÃO OPERACIONAL

Incêndios Florestais

Incêndio para o próprio dia
Risco de Incêndio para o dia seguinte
Indicador Ultravioleta
Alertas de Saúde Pública (Calor)
Avisos do Instituto de Meteorologia
Alertas da PROTECÇÃO CIVIL

Incêndios Florestais
Fonte de Informação: ANPC/CNOS

TOTAL		CINQUA		SEIS	
Operacionais	Veículos	Operacionais	Veículos	Operacionais	Veículos
202	1.197	5	3	0	0

Incêndios mais significativos das ocorrências em curso (*)

Alçada	Local	Estado	Comando	Duração	Área de Incêndio	Tipos
584	Parque do S. João	1/3	539	Meda de Baixo	176,7m ²	Em Curso

PROCI.V BOLETIM MENSAL

PUBLICAÇÃO MENSAL DA AUTORIDADE NACIONAL DE PROTECÇÃO CIVIL | Nº 112 | JULHO 2014 | ISSN 1647-8547

Férias em Segurança

40

7 de julho de 2011

PROCI.V um boletim digital gratuito em português

Este boletim divulga as informações de segurança e saúde pública para os cidadãos portugueses.

ANPC - Autoridade Nacional de Protecção Civil

COMUNICADO N.º XX
1 DE FEVEREIRO DE 2012 | 14:00

TEMPO FRIO - MEDIDAS DE AUTOPROTECÇÃO

Na sequência do briefing técnico realizado esta manhã, entre a Autoridade Nacional de Protecção Civil, o Instituto de Meteorologia, a Direcção-Geral da Saúde e o Instituto da Segurança Social, há a salientar um conjunto de medidas de autoprotecção face às temperaturas baixas, durante a noite, em particular entre Sexta-feira e Sábado.

- que se evite a exposição prolongada ao frio e as mudanças bruscas de temperatura;
- o uso de várias camadas de roupa, folgada e adaptada à temperatura ambiente;
- a protecção das extremidades do corpo (usando luvas, gorro, meias quentes e cacheco);
- a ingestão de sopas e bebidas quentes, evitando o álcool que dá uma falsa sensação de calor;
- que pessoas que trabalhem no exterior se protejam com roupa adequada, evitando esforço excessivo.

ANPC - Autoridade Nacional de Protecção Civil

AVISO À POPULAÇÃO

PRECIPITAÇÃO, VENTO E AGITAÇÃO MARÍTIMA

Previsão para os próximos dias (quinta-feira a sexta-feira) e em especial para a região sul do território que se prevê aumentar consideravelmente de intensidade (exceto nos algarves) e do quadrante sul, favorecendo o aumento da ondulação que poderá atingir valores de 4 metros, no corte sul. Esta situação será geralmente acompanhada de ocorrência esporádica que poderão ser moderadas a fortes com início na tarde de quinta-feira.

EFEITOS EXPECTÁVEIS

- Pico noturno incorregido e eventual formação de lençóis de água
- Possibilidade de chover rápidos em meio urbano, por acumulação de águas pluviais ou ineficiência dos sistemas de drenagem
- Possibilidade de inundação por transbordar de linhas de água nas zonas historicamente mais vulneráveis
- Danos em estruturas montadas ou suspensas
- Possíveis acidentes na orla costeira
- Inundações de estruturas urbanas submersíveis com deficiências de drenagem

MEDIDAS PREVENTIVAS

- Estar atento às informações da meteorologia e às indicações da Protecção Civil e Forças de Segurança
- Garantir a desobstrução dos sistemas de escoamento de águas pluviais e retirada de inertes e outros objectos que possam ser arrastados ou criem obstáculos ao livre escoamento das águas

website, newsletter, press releases, and more...



Lisbon, 26-28 November 2014



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Thank you for your attention