

# **COST Action TU0904**

# **Integrated Fire Engineering and Response**

#### WP3 - Fire brigade reports and investigations

# RESCUE OPERATIONS IN POLAND GENERAL DESCRIPTION AND EXAMPLES

Krzysztof Łącki - The Main School of Fire Service (SGSP) Lesław Kwaśniewski – Warsaw University of Technology (WUT)

Action Meeting, Malta, 10-11 April 2012

## ANALYZING FIRE BRIGADE REPORTS AND INVESTIGATIONS

#### APPROACHES

- 1. statistics trends, new risks
- 2. investigation of exceptional, special cases

#### OBJECTIVE

conclusions for practitioners in the fields of active and passive fire protection

## SYSTEM FOR COLLECTION AND TRANSFER OF INFORMATION ABOUT EVENTS ORGANIZATION IN POLAND

- 1. National Rescue Fire Fighting System (KSRG) ← State Fire Service (PSP)
- 2. PSP professional formation, uniformed and furnished with specialized equipment designed to fight fires, natural disasters and other threats
- 3. PSP based on the chain of command, subordinate to the center supervised by the Minister of Internal Affairs and led by the Commander in Chief of the PSP
- 4. PSP promotes the collection and transfer of information about events
- 5. "SWDST" teleinformation system implemented in four levels of command

#### SYSTEM FOR

# COLLECTION AND TRANSFER OF INFORMATION ABOUT EVENTS SWDST

- 1. "SWDST" primary function is to collect information about personnel, resources and capabilities at the disposal of Rescue Fire Fighting Units (JGR)
- 2. development, collection, and transfer of information about events to a higher level of PSP
- 3. each action taken by the Rescue Fire Fighting Unit (JRG) is recorded in the program
- 4. after the end of an action a report is created and introduced to the system by the standard special forms containing check boxes, and possibility of adding a description
- 5. the report is forwarded to a higher level of command where information is collected and processed

### SYSTEM FOR

# COLLECTION AND TRANSFER OF INFORMATION ABOUT EVENTS

#### **EVENT CARD**

#### Part I - section on notification

- 1. Notification automatically allotted number
- 2. Date and time of notification
- 3. Localization address for notification
- 4. Object the type of object
- 5. Floor / Description of the floor
- 6. Additional information description of the event
- 7. Received how the notification was obtained
- 8. Details of the applicant
- 9. Notification service / entity, which was informed about the event

Collectores 323			R'MWDRMD	00			1/5 PEAR #4	Contraction of	20.0		ALCONTRACTOR 5/20/2 S. RENALL	181+	PRINT P
-RENALT IN			ILS PENALS	0.0			1.5 018425		10		SCH. PENKAT	64	C GCRA N
-PENNERT N			0.0	G BCBA 5/	12/2 S - MANAY	\$41 B						GCBA S	
2/25-MAN 3/		CEA 511	10/2.5 HHW	6.0	GCBA 5.		60 GLDp7		90	· SCBA	8.2/12 - TATHA	9.9	GLBH 1
CROADES 3/			BE-RENALD,T	0.0	· ILLENN		S/D CRCN		3/2		8,3/321ete	80.00	<ul> <li>to 37</li> </ul>
940 041 848		SPGar HENALLY 0/0     CCSA 5/40 6/020 0/0		• 50% 3000 - HL22 8-5		10/2 0 (Dz10				1005-31LC2 5/0 0 0.7-4 at 351C2 5/0 0 0.7-5 MERCEDES 5/0 0 0.7-5		• S.A.	
							<ul> <li>tute tutoni</li> <li>tute fore</li> </ul>						
								- Follow B T	10 Z		MERCENER	10.2	
Alattactions	-	1 370	AGetZers	-	1 35	Plin the strike	13/11	JPG-w14 m.m	himmen a	I onl	Butter	dame.	3.6
GBA/25/20/25-5	tall	60	· Marcades SL			· GBA/25/21/51		GBA 3/38-		6/0	· JLBA		6/6
BCBA 5/32 - MAN		1/5	Stille-Dame		- 90	# 60845/32/2.5		@ 0CBA/\$/10		0.0	S Hall-grow H		44
9.00% 3002 - M1.02		5.02	<ul> <li>Stbuiland No</li> </ul>		64	10.31-HHEPU		<ul> <li>\$10.30.Mag</li> </ul>	N6	50	© 5084 5/32		1/5
6 3LDp-FDFD		1/0	<ul> <li>Biller 21/16</li> <li>Set 10: 5144</li> </ul>		10	<ul> <li>16.0y 126e</li> <li>16.0y 126e</li> </ul>	5/0	<ul> <li>\$6.0p</li> </ul>		0.0	<ul> <li>\$10p-709</li> </ul>	P	141
9 11/ 5000 Star 205		5.0	SLTp. Ford		10	. 104	14						
Glilla Tudure Contr		20	· Sile for UR		846								
© 1/h		249	10000										
		- 54	1.000										
	- Specia		And Design	A Ine	E Bate 10	Contal Contal			_	_			_
	-		a successive lowership of	Conde and The	A Party of State	and the local division of the local division			_	-			_
   	0.		1.3 (3)	Conde and The	100	-					36 8 4	and the second second	
 	-		a successive lowership of	Conde and The	100	-			De Male		Native		
    	) . () .		2 • 0 (3) •	- 01		Wapitat States		No contaction	DeMain		Nation Office		1000
() () () () () () () () () ()	<b>در</b> ۱۳۹4			- (6)		Wagdar (ment)	n migeri pit primeri Den adaremi A fermen	No continuity			Native		1000
	• ر. ۱۳۹۵			- (6)		Walter Downer	n mignikak présere Syn adatown Alamonik Stanovik	Westlahr	14421 14132		Nation Contraction		1000
	о с. 17 ж.н.			- 0 3		ariana Patha ( ariana Patha) ( 22	n manifest seinen Spin alassen Stanen billionen Stanen billionen Stanen billionen				Nation Contraction		1000
	• ر. ۱۳۹۵					Artest Potta ( Artest Potta ( 0200 0 0200 0 0000 0 0000 0 0000 0 0000 0 0000 0 0000 0 0000 0 0000 0 0000 0	n manifak pisakan Ipa adapten Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon				Nation Contraction		1000
	о с. 17 ж.н.					Arapita Server Arapita Server Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia Galacia					Nation Contraction		1000
	19 10 10 10 10 10 10 10 10 10 10 10 10 10					Artest Portes ( Cartest Portes ( Cartest Cartest ( Cartest Cartest ( Cartest Cartest ( Cartest	n manifak pisakan Ipa adapten Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon Stanon	Na raduka 2010 2010 2010 2010 2010 2010 2010 201			Nation Contraction		1.11
						Ariget Posts (		Ni reduky 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			Nation Contraction		1.11
						Ariget Posts (		Ni reduky 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			Nation Contraction		1000
						Ariget Posts (		Ni reduky 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			Nation Contraction		1.11
								Ni reduky 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			Nation Contraction		1.11
								Ni reduky 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			Nation Contraction		1.11
								Ni reduky 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			Nation Contraction		1000

#### SYSTEM FOR

# COLLECTION AND TRANSFER OF INFORMATION ABOUT EVENTS

# **EVENT CARD**

### Part II - section on operated events (action)

- 1. Event ID
- 2. Type of event (fire, local threat, exercise, ... etc)
- 3. Running unit
- 4. Area of operation
- 5. Start time of event date and time
- 6. Time for localization
- 7. End time date and time of end of the event
- 8. Subtype of the event (., flood, forest fire, apartment fire, ... 30 cathegories)
- 9. Geographic coordinates

#### EXAMPLE EVENT FLAGS

Lp.	Event Flags
1	Serious injuries> 3
2	For the attention of Main Headquarters
3	For the attention of Regional Headquarters
4	Evacuation > 9 people
5	Major accident
6	Building catastrophe
7	Explosive material
8	Impassable
9	Historic building
10	Fatality
11	VIP
12	Diplomatic establishment
13	Flooding due to snowmelt, rainfall
14	Very large fire
15	Large fire
16	Segregation of victims
17	Biological substance

## SELECTED INFORMATION INTRODUCED DURING THE PREPARATION OF THE EVENT CARD (FIRE)

- 1. Size (small, medium, big, very big)
- 2. Local threat
- 3. Running Unit
- 4. False alarm (malicious, in good faith, from detection system)
- 5. Object code
  - 101 administrative offices, banks,

102 education and science, in particular the teaching buildings, schools, kindergartens ...

- 6. Code of the owner (state owned, property of the municipality, private property, ...)
- 7. Number and types of forces involved in the action
- 8. Kind of rescue operations
- 9. Acidents with fatalies
- 10. Size of the object
- 11. Size of the event
- 12. Value of the saved property
- 13. Amount of incurred losses
- 14. List of codes for the putative causes of fires

# Thank you for your attention!