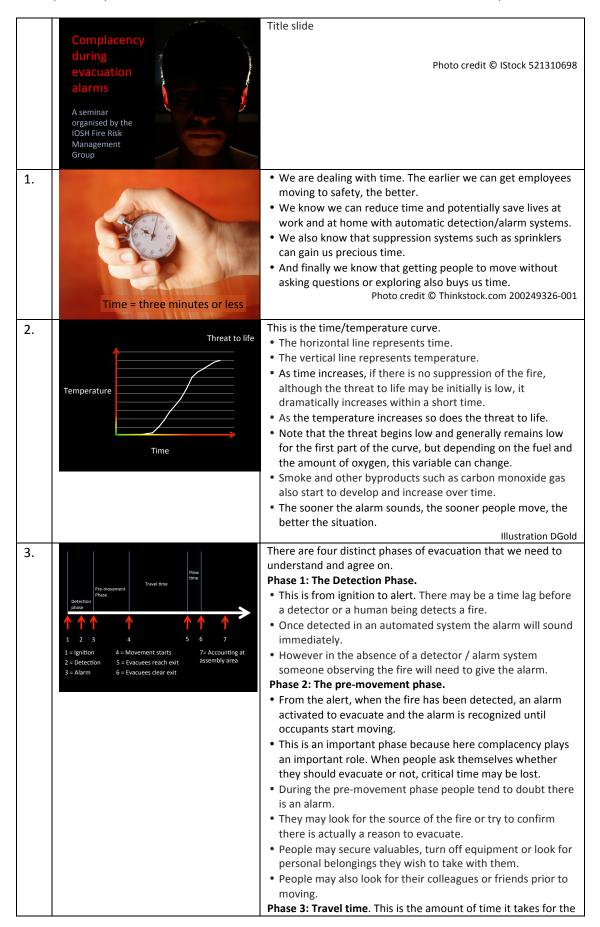
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Complacency When the Evacuation Alarm is Initiated Presentation with Speaker Notes



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individual to move through the structure to an exit. • It is normally a pre-determined, safe, well-lighted, unobstructed safe route. • Travel time may be influenced by blocked or obstructed pathways, poor lighting, or the fact that the most direct way out of the building may not be the safest route due hazardous areas (which should be avoided). Phase 4: Flow Time. The time it takes to get through an exit door. • The size of the exit, weather conditions, lighting and the calmness of evacuees all have an influence on flow time. Illustration DGold Here is an overlay of the previous two slides. 4. Threat to life • In general terms all individuals in the building, including evacuation wardens need to be out of the building and in a place of safety within THREE MINUTES. • However, in certain buildings, such as those constructed out Temperature of combustible materials (such as timber floors and walls) the maximum evacuation time is shorter (2 ½ minutes). The key message here is that the longer on procrastinates, looks for friends or confirms that it really is an alarm, the higher the risk of not escaping from the dangers of fire. Illustration DGold We know that: 5. Familiarity with • Familiarity with designated emergency escape routes can emergency reduce the evacuation time. procedures and Evacuation maps and drill strengthens this familiarity and designated escape potentially builds on the self-discipline to immediately routes evacuate. A system of trained fire wardens (or evacuation wardens) is a powerful tool to get workers calmly moving. Photo credit © Thinkstock.com Coming back to time, the generally accepted evacuation 6. evacuat time in the UK is: evacuation of all employees to a place of safety in three minutes. Photo credit DGold Within the aviation industry the standard for evacuation from 7. an aircraft is 90 seconds. This includes the largest commercial aircraft, the A380. Here is a video of a Polish LOT aircraft that had a malfunction of its landing gear. It had to land on its engines, creating a serious potential for fire. Once the aircraft had stopped, the cabin crew evacuated everyone in less than 90 seconds. From the official report, **Polish Airlines** "Evacuation was initiated by the cabin crew immediately after Flt LO16 1 Nov 2011 the airplane came to rest on the runway. Escape slides were used for evacuation. They were activated after opening main doors on the left and right sides in front and back of the airplane. Additional ways of evacuation were two windows located on the left side of the airplane, over the wing. Two other evacuation windows, located on the right side of the airplane over the wing, were not opened and not used for

evacuation. All passengers and cabin crew left the airplane.

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Evacuation procedure lasted about 90 seconds. The last person to evacuate was the First Officer, who after checking the airplane board, left it via the rear left door. The head of cabin crew and the Captain remained on the board until fire fighters arrived. None of the passengers and crew suffered injuries". 8. Here is a video that demonstrates the danger of 00:07 conformity during an evacuation when one is influenced by a group. Source: Heroic Imagination Project www.heroicimagination.org Standard YouTube license Dangerous Conformity, 2011 Group work based on case study 9. Group work Photo credit © Istock 10. Here is an information sheet that can help stimulate worker awareness of the need for effective emergency evacuation. IOSH Fire Safety Distribute the information sheet or provide Web Information Download reference Sheet (1) Here is a management-based second information sheet 11. (iosh) that summarises a number of points you raised during the group work. **IOSH Fire** Safety Distribute the information sheet or provide Web Management Download reference Information Sheet (MGT 1) Let's summarise: For an effective evacuation we need the 12. Summary following (lacking any of the components can be a failure point and can cost lives). 1. A functioning alarm system Knowledge of what to do Clear unobstructed passageways A system of accountability Photo credit © Thinkstock.com

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13.	Thank you	
	Dr David Gold CFIOSH Chair IOSH Fire Risk Management	
	david.gold@gold-knecht.com www.gold-knecht.com +41-78-748-0609	