

Nuclear Security as part of Security of Major Public Events

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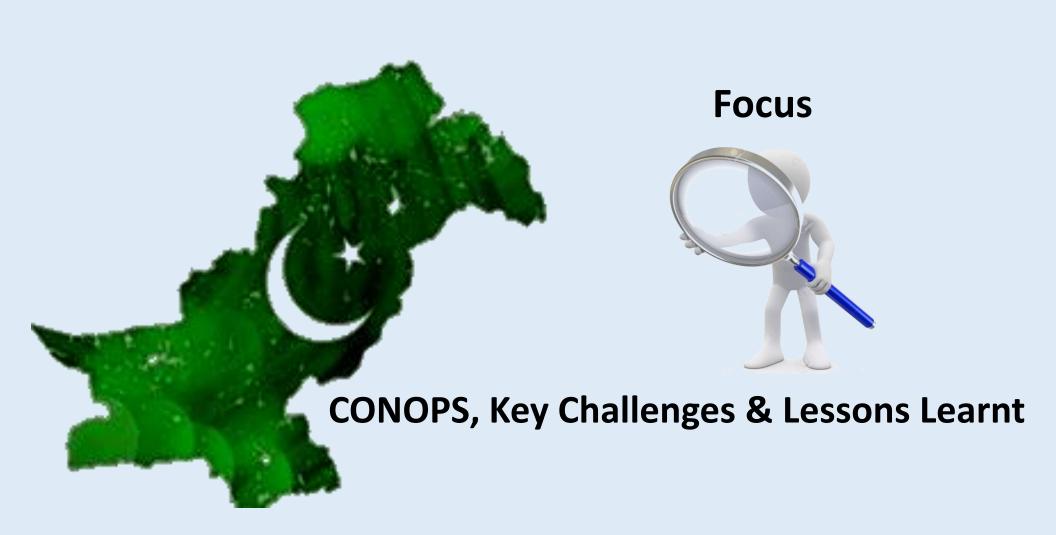
Centre (NURESC)

Strategic Plans Division, Pakistan

Pakistan's Experience

of

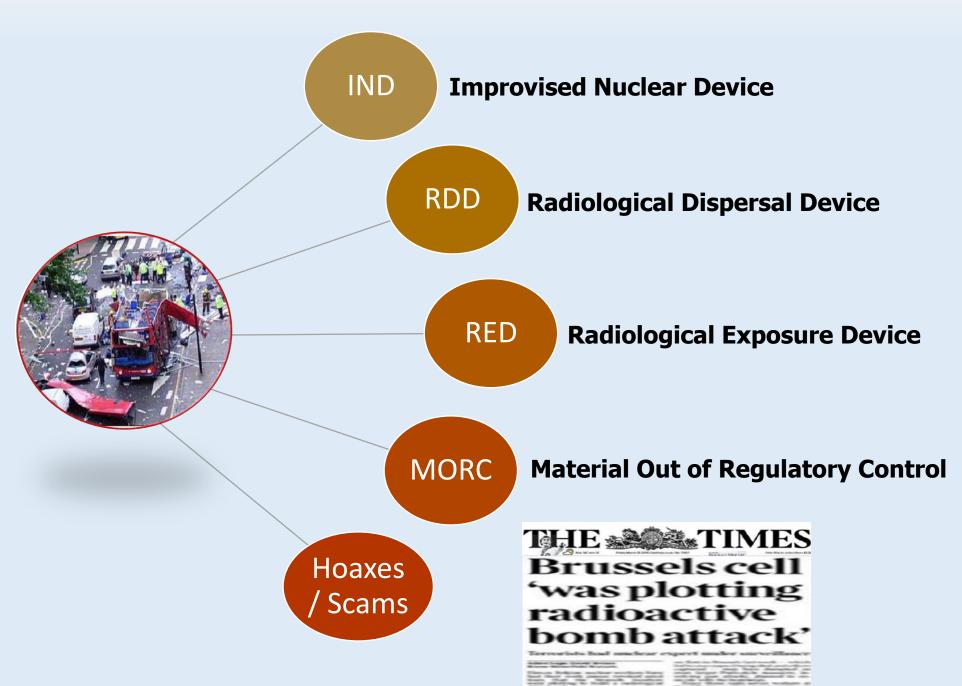
Nuclear Security to Major Public Events (MPEs)



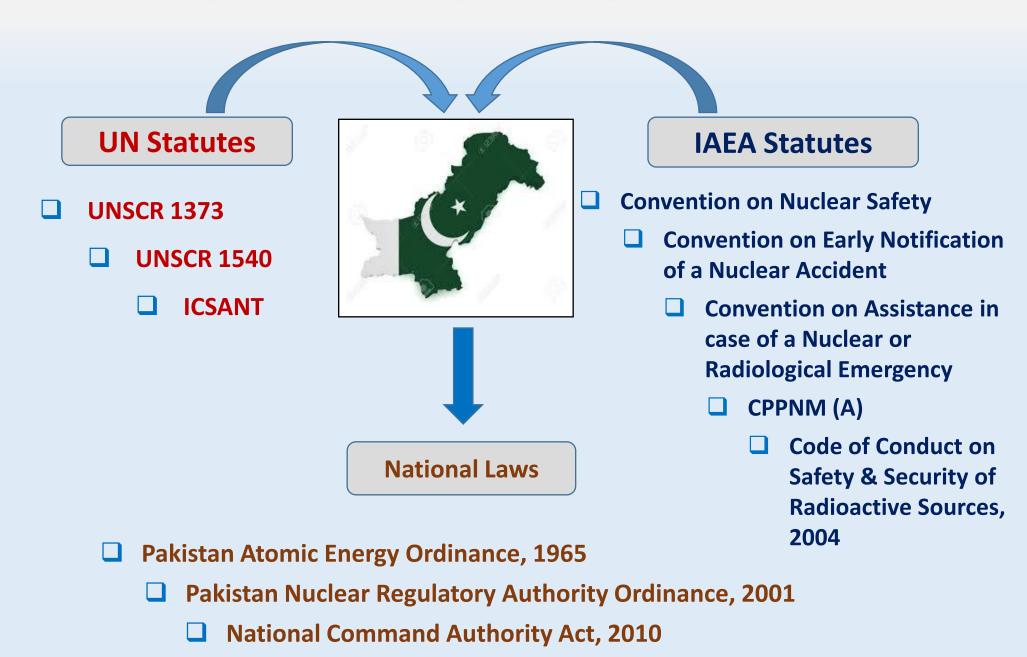
Outline

- Legal and Regulatory Interfaces
- Nuclear Security Threats to MPEs
- Nuclear Security to MPEs in Pakistan
- CONOPS
- Drills / Exercises
- Key Challenges
- Lessons Learnt

Nuclear Security Threats to MPEs



Legal and Regulatory Interface



National Disaster Management Authority Act, 2010

National Counter Terrorism Authority Act, 2013

MPEs in Pakistan

Chinese Premier Visit



2013
Chinese President Visit



Pakistan Day Parade



Change of Army Command Ceremony



Saudi Crown Prince Visit



Chinese Vice President Visit



2019

MPEs in Pakistan

(Statistics)

MPE	Venues	Personnel	Vehicles	Alarms
Chinese Premier Visit (2013)	5	1500	350	-
Change of Army Command Ceremony (2013)	2	3500	650	-
Chinese President Visit (2015)	6	2300	425	-
Saudi Crown Prince Visit (2019)	9	3200	575	2*
Pakistan Day Parade (2019)	3	32000	3800	7*
Chinese Vice President Visit (2019)	7	3500	450	1*

^{*} All alarms declared as innocent

CONOPS (Concept)

Integration of nuclear security systems and measures with the overall security of MPE to prevent, detect and respond against nuclear security threats by conducting pre-event radiological surveys and deploying detection instruments at screening points and Radiation Monitoring Teams

(Operational Framework)

- In Pakistan, *Nuclear and Radiological Emergency Support Centre (NURESC)* is responsible to plan, prepare and execute integration of nuclear security systems and measures during MPEs
- For seamless inter-agency coordination and cooperation,
 CONOPS is dovetailed with the overall security plan
- NURESC is part of Incident Command Centre (ICC) established by LEA

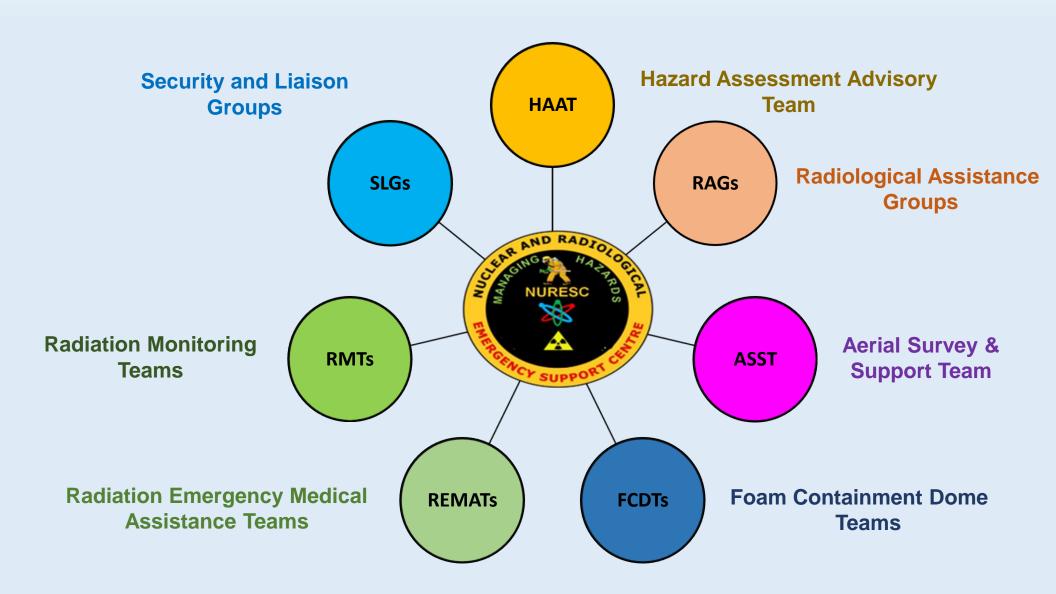








CONOPS (Operational Structures and Capabilities)



(Radiation Detection Equipment)

Radiation Search & Monitoring

















Radioisotope Identification



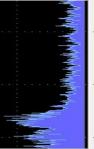


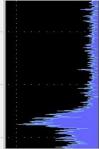












(Integrated Security Approach to MPEs)

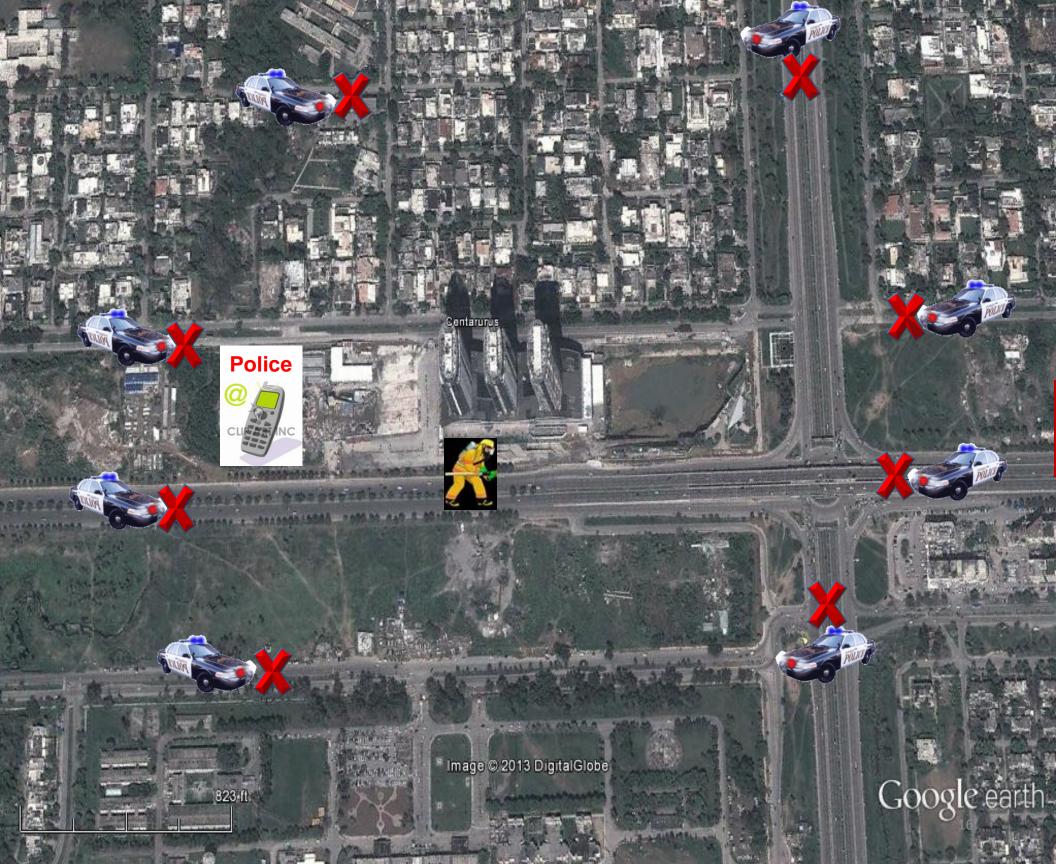
- □ Pre-Event Activities (Prevention □ Detection)
 - Dovetailing with Incident Command Centre
 - Selection of radiation detection equipment
 - Radiological surveys of venue and strategic locations and identification of hotspots
 - Deployment / integration of detection equipment at screening points
 - Mobile radiation detection and monitoring teams in the area
 - Detect nuclear and other radioactive material out of regulatory control

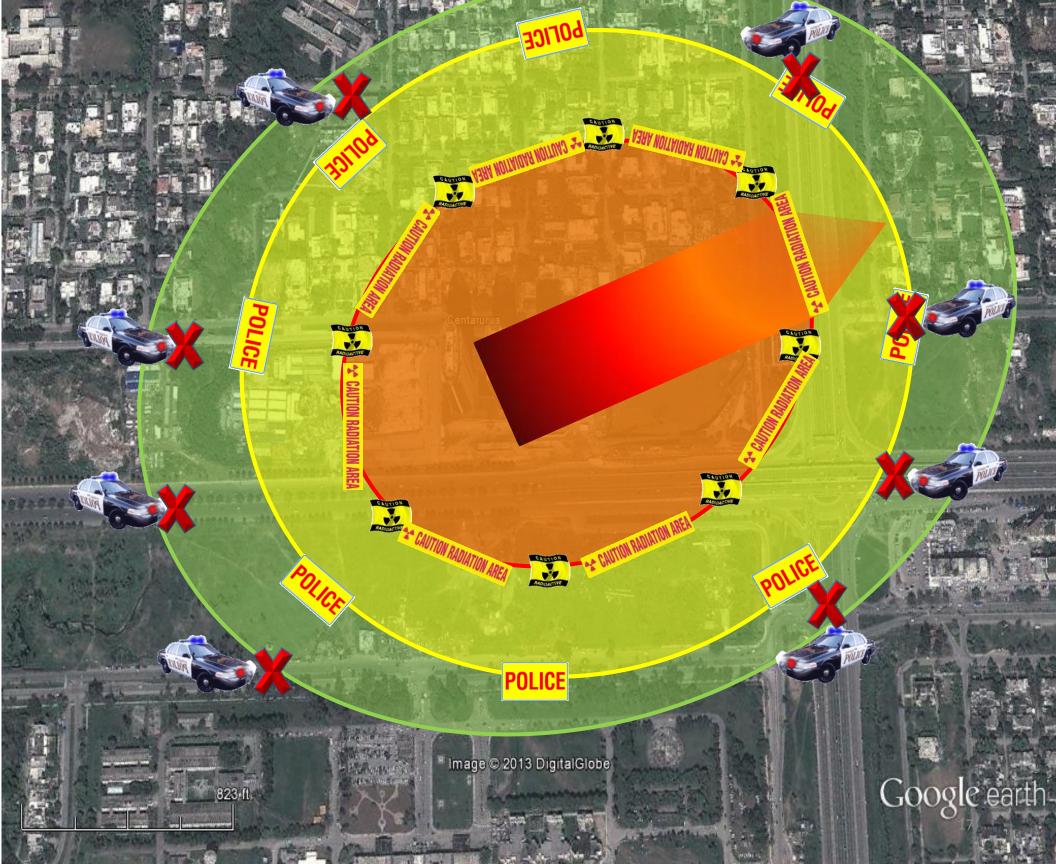
(Integrated Security Approach to MPEs)

- □ Response Measures
 - Assessment of alarms and information alerts
 - Technical assistance by Radiological Assistance Groups
 - Radiation Emergency Medical Assistance Teams for triage
 - Radiological Crime Scene Management (RCSM)
 - Safety Security Interface (scene control and safety management)
 - Source recovery / mitigation actions
 - Forensic management
 - Media feed
 - Decontamination and waste management







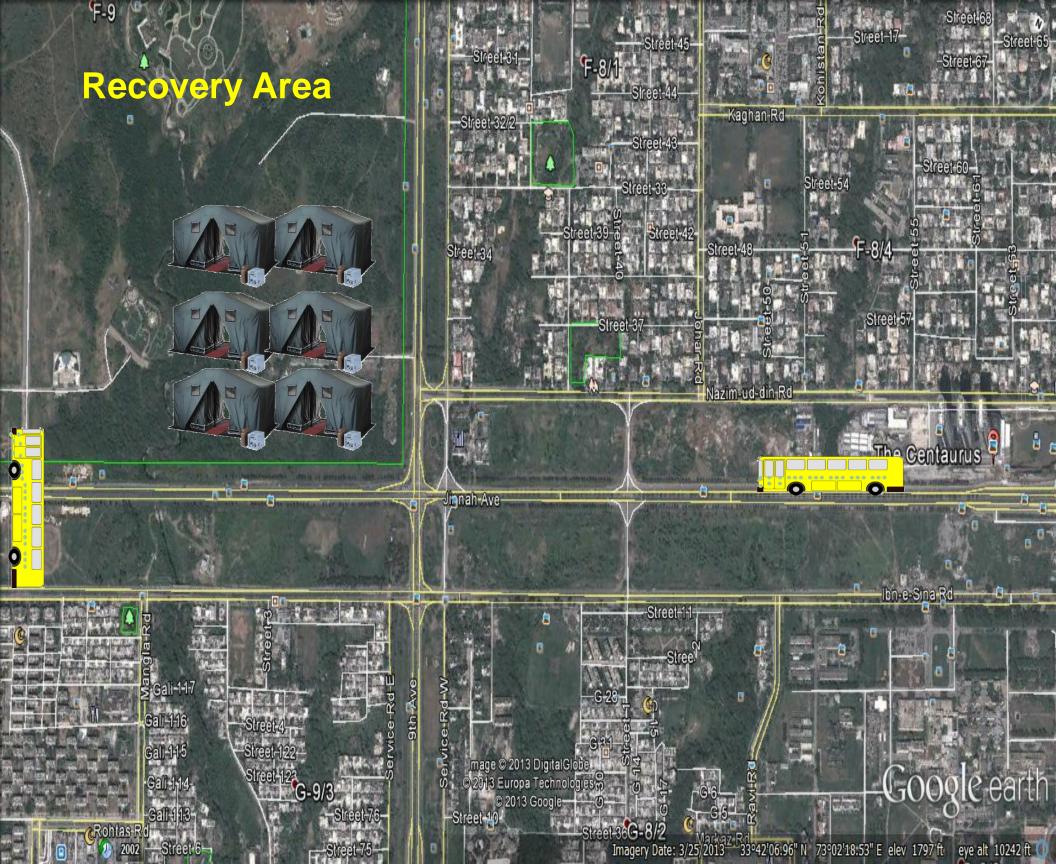










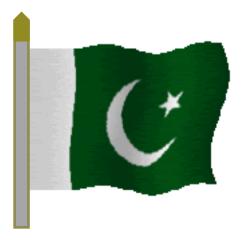


Key Challenges

- Awareness about nuclear security threats and timely sharing of info alerts among stakeholders
- Inter-agency coordination and cooperation:-
 - Protocols / Memorandums of Understanding
 - Safety Security Interface
 - Radiological Crime Scene Management
 - Public information / media feed
 - Joint Exercises
- □ Alarm adjudication (swift mechanism)
- Availability of Resources viz Tasks
- ☐ Capacity building (Training, HR & Equipment)

Lessons Learnt

- □ Timely sharing of Protocols / Memorandums (efficient / smooth inter-agency coordination / cooperation)
- Deployment of Radiation Monitoring Teams at strategic locations beyond outer security perimeter (Defense in Depth / Deterrence)
- ☐ Joint Training / Exercises (efficient Safety Security Interface)
- □ Deployment of Hazard Assessment and Advisory Team (HAAT), radiation emergency medical arrangements and rescue teams as part of RCSM
- Designation of Public Information Officer for media feed



Thank you