Appendix A

Toolset	Service	Asset	Stakeholder
Radiation Management	Visual/passive detection of isotopes, neutrons and nuclear substances	-Mobile Detection System -Radiation Portal Monitors -Relocatable Portal Monitors - Radiation detection data -User feedback	CBORD, Boarder Security
Cargo X Ray	-Complement other tools including TNIS, Photofisson and sniffers. -image interpretation. -object localisation		cell9
Tagged Neutron Inspection System (TNIS)	-Detect: "explosives, illicit drugs and chemical agents in a suspect voxel".[?]. Uses a relocatable system. - Designed to be compacted to enable a limited area [?]	-Neutron generator. -Detectors. -Reflection block. -Transmission set.- Visual user interface.	
Photofission	Prevent illicit trafficking, potencial nuclear weapons, radiological dispersaldevice (RDD)[?] by mainly detecting uranium and plutonium isotopes (Special Nuclear Material) SNM, using non destructive techniques.	-A 9 MeV LINAC for imaging -A photofission detection module.	
Sub-System evaporation based detector	A sniffing approach to complement x-ray imaging that will produce alerts/warnings of hazardous/contraband by detecting volatile chemicals and specific molecules.	Sub-system evaporation detector.	

Table 1: This is a table template[?]

Senario	Threat	Management	Roles
Sen 1: Photofission neutron detection. [?]	Avoid opening containers.		
Sen 2: "Seaport, boarder or other checkpoints"[?]. TNIS with dedicated shield, for maximum protection of the operator.			
Sen 3			
Sen 4			

Table 2: This is a table template[?]