#### **APPROVED 1540 COMMITTEE MATRIX**

The information in the matrices originates primarily from national reports and is complemented by official government information, including that made available to inter-governmental organizations. The matrices are prepared under the direction of the 1540 Committee.

The 1540 Committee intends to use the matrices as a reference tool for facilitating technical assistance and to enable the Committee to continue to enhance its dialogue with States on their implementation of Security Council Resolution 1540.

The matrices are not a tool for measuring compliance of States in their non-proliferation obligations but for facilitating the implementation of Security Council Resolutions 1540 (2004), 1673 (2006), 1810 (2008), 1977 (2011), 2055 (2012) and 2325 (2016). They do not reflect or prejudice any ongoing discussions outside of the Committee, in the Security Council or any of its organs, of a State's compliance with its non-proliferation or any other obligations. Information on voluntary commitments is for reporting purpose only and does not constitute in any way a legal obligation arising from resolution 1540 or its successive resolutions.

Matrix entries are only indicators of fact and not indicators of the degree of compliance under resolution 1540 (2004) and its successor resolutions. Thus:

An "X" in any data field signifies only that the 1540 Committee considers that a State has taken the steps required, and/or has provided specific references to the applicable legal basis or executive behaviour as evidence of such steps. An "X" against any data field does not necessarily signify that a State has met in full its 1540 obligations for that data field.

A "?" in any data field signifies that the references to legislative or other measures may not be directly relevant or are incomplete.

A "NA" (Not Applicable) in any data field signifies that the data field is not applicable to that State where through legally binding instruments States specified that they do not possess related materials or facilities.

A blank in any data field signifies that there is insufficient information available to enter an "X" or "?" against a particular data field.

State: Islamic Republic of Pakistan

Date of Report: 27 October 2004

Dates of Additional Reports: 19 September 2005

3 June 2008

9 September 2009 (National Submission)

12 May 2017 30 April 2020

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#### I. OP 1 and related matters from OP 5, OP 8 (a), (b), (c) and OP10

inst	nerence to legally binding cruments, membership of ganisations, participation in arrangements and statements made.									
1	Nuclear Non- Proliferation Treaty (NPT)									
2	Nuclear Weapons Free Zone/ Protocol(s)									
3	International Convention for the Suppression of Acts of Nuclear Terrorism									
4	Convention on Physical Protection of Nuclear Material (CPPNM)	Deposit 12 September 2000								
5	2005 Amendment to the CPPNM	Deposit 24 March 2016								
6	Comprehensive Nuclear- Test-Ban Treaty (CTBT) (not in force)									
7	Chemical Weapons Convention (CWC)	Deposit 28 October 1997								
8	Biological Weapons Convention (BWC)	Deposit 25 September 1974								
9	Geneva Protocol of 1925	Deposit 15 April 1960								
10	1997 International Convention for the Suppression of Terrorist Bombings	Deposit 13 August 2002								
11	1999 International Convention for the Suppression of the Financing of Terrorism	Deposit 17 June 2009								

	2005 Duete call to the		
	2005 Protocol to the Convention for the		
4.2			
12	suppression of unlawful		
	acts against the safety of		
	maritime navigation		
	2005 Protocol to the		
	Protocol for the		
13	suppression of acts		
13	against the safety of		
	fixed platforms located		
	on the continental shelf		
	2010 Convention on the		
	Suppression of Unlawful		
14	Acts Relating to		
	International Civil		
	Aviation		
	Other relevant regional		
15	legally binding	The SAARC Regional Convention on Suppression of Terrorism and its Additional Protocol	
	instruments		
	International Atomic		
16	Energy Agency (IAEA)	Since 2 May 1957	
		Global Initiative to Combat Nuclear Terrorism (GICNT) - June 2007	
17	Directly relevant	Container Security Initiative (CSI)	
	Arrangements	Nuclear Security Contact Group (NSCG)	
	Statement on non-	Tradical Cooking Contact Crossp (1900)	
	provision of WMD and	State reported that it fully supports appropriate and effective measures to prevent non-State actors from gaining access to	
18	related materials to	weapons of mass destruction and their means of delivery.	
	non-State actors	weapons of mass destruction and their means of delivery.	
	non state actors	World Customs Organization (WCO) and Framework of Standards to Secure and Facilitate Global Trade (SAFE Framework)	
		World Health Organization (WHO)	
	Membership in relevant	World Organisation for Animal Health (OIE)	
19	international, regional	International Maritime Organization (IMO)	
13	or sub-regional	INTERPOL	
	organisations	SAARC	
		Asia/Pacific Group on Money Laundering (APG)	

## II. OP 2 - Nuclear Weapons (NW), Chemical Weapons (CW) and Biological Weapons (BW)

	National legislation which prohibits persons or entities		<u>N</u> ational legal framework						forcement and civil/criminal penalties	
-	to engage in one of the ollowing activities and its enforcement	N	x /? c w	В	Source document of national implementation law	N W	x /i	В	Source document	Remarks
1	manufacture	X	×		NW: PNRA Ordinance 2001 as amended, Section 19 (1) (a) (No person shall, unless he is exempted as may be prescribed by regulations, or unless he is the holder of a license issued by the Authority acquire, design, manufacture, construct, install or operate any device that contains any radioactive material or produce ionizing radiation). The Pakistan Arms Ordinance 1965 as amended, Sections 3 (Definition-Arms/Cannon) and 29. Arms Act 1878, Section 5 (Unlicensed manufacture or conversion prohibitedNo person shall manufacture or convert any arms, ammunition or military stores, except under a licence and in the manner and to the extent permitted thereby).  CW: Chemical Weapons Convention Implementation Ordinance - 2000, Ordinance No. LIV of 2000 (CWCIO No. LIV of 2000), Sections 3, 4 and 5.	X	x		NW: PNRA Ordinance 2001, as amended, Section 44 (1). National Command Authority Act 2010, Section 12. Arms Act 1878, Section 19. The Pakistan Arms Ordinance 1965 as amended, Section 13.  CW: CW: CWCIO No. LIV of 2000, Sections 3, 4 and 5.	
2	acquire	x	X		NW: PNR Authority Ordinance 2001, Section 19 (1) (a). Pakistan Arms Ordinance 1965, Section 16.  CW: CWCIO No. LIV of 2000, Sections 3 and 5.	x	x		NW: PNR Authority Ordinance 2001, Section 44 (1). Pakistan Arms Ordinance 1965 as amended, Section 16. National Command Authority Act 2010, Section 12.  CW: CWCIO No. LIV of 2000, Sections 3 and 5.	

3	possess	х	х	NW: The Pakistan Arms Ordinance 1965 as amended, Sections 3, 9 (unlicensed possession of arms) and 11–B (Prohibition of keeping, carrying, or displaying arms). Illicit Arms Act 1991, Sections 2 and 4.  CW:	х	х	NW: The Pakistan Arms Ordinance 1965 as amended, Section 13 (a) and (e). National Command Authority Act 2010, Section 12.  CW:
				CWCIO No. LIV of 2000, Sections 3 and 5.			CWCIO No. LIV of 2000, Sections 3 and 5.
4	develop	x	x	NW: PNRA Ordinance 2001 as amended, Section 19 (1) (a).	x	Х	NW: PNRA Ordinance 2001 as amended, Section 44 (1). National Command Authority Act 2010, Section 12.
				CW: CWCIO No. LIV of 2000, Section 3.			CW: CWCIO No. LIV of 2000, Section 3.
				NW/CW: Pakistan Environmental Protection Act, Sections 2 (i) (a), (xviii) and 14.			NW/CW: Pakistan Environmental Protection Act, Section 17 (3).
5	transport	x	x	NW: The Pakistan Arms Ordinance 1965 as amended, Section 5 (Government may, from time to time, by notification in the official Gazette, regulate or prohibit the transport of any description of arms). PNRA Ordinance 2001 as amended, Section 19 (1) (c) (nuclear substance).	x	x	NW: The Pakistan Arms Ordinance 1965 as amended, Section 13 (c). National Command Authority Act 2010, Section 12. PNRA Ordinance 2001 as amended, Section 44 (1).
6	transfer	x	Х	NW: PNRA Ordinance 2001 as amended, Section 19 (1) (c) (nuclear substance).	x	х	NW: PNRA Ordinance 2001 as amended, Section 44 (1). National Command Authority Act 2010, Section 12.
				<b>CW:</b> CWCIO No. LIV of 2000, Sections 3, 5 and 6.			CW: CWCIO No. LIV of 2000, Sections 3, 5 and 6.

7	use	X	X	X	NW/CW/BW: Anti-Terrorism Act 1997, as amended, Sections 2. bb and 6 (3) (definition of weapon specifically refers to chemical and biological, and nuclear is covered through "illicit weapon" as defined in Surrender of Illicit Arms 1991). Protection of Pakistan Act 2014, Section 2 (k) and (I); Schedule: Scheduled offence (1) (ii).  NW: PNRA Ordinance 2001 as amended, Section 19 (1) (a) (operate).  CW: CWCIO No. LIV of 2000, Sections 3 and 5. Penal Code 1860, as amended, Section 336A (hurt caused by corrosive substance).  BW: Penal Code 1860, as amended, Section 270 (on malignant act to spread infection of disease dangerous to life).	X	X	X	NW/CW/BW: Anti-Terrorism Act 1997, as amended, Sections 6 (1999) and 7. Anti-Terrorism (Amendment) Act II of 2005, Articles 3-9 and 11 (increases penalties). Protection of Pakistan Act 2014, Section 16.  NW: PNRA Ordinance 2001 as amended, Section 44 (1). National Command Authority Act 2010, Section 12.  CW: CWCIO No. LIV of 2000, Sections 3 and 5. Penal Code 1860, as amended, Section 336B.  BW: Penal Code 1860, as amended, Section 270.	
8	attempt to engage in abovementioned activities	X	х	X	NW/CW/BW: Protection of Pakistan Act 2014, Section 2 (k) and (l); Schedule: Scheduled offence (3) on abetment, attempt or conspiracy.  CW: Penal Code 1860, as amended, Section 336A (hurt caused by corrosive substance (attempts to cause hurt)).  BW: Penal Code 1860, as amended, Section 36 on attempt.	x	x	×	NW/CW/BW: Protection of Pakistan Act 2014, Section 16.  CW: Penal Code 1860, as amended, Section 336B.  BW: Penal Code 1860, as amended, Section 36 on attempt.	
9	participate as an accomplice in abovementioned activities	х	х	х	NW/CW/BW: Anti-Terrorism Act 1997, as amended, Sections 2 and 21-C (training), I (aid and abetment) and J (Harbouring). Protection of Pakistan Act 2014, Section 2 (k)	х	х	x	NW/CW/BW: Anti-Terrorism Act 1997, as amended, Sections 7 and 21-C, I and J. Anti-Terrorism (Amendment) Ordinance 2005, Articles 3-9 and 11 (increases penalties).	

					and (I); Schedule: Scheduled offence (3) on abetment, attempt or conspiracy.  CW/BW: Penal Code 1860, as amended, Section 107.				National Command Authority Act 2010, Section 12. Protection of Pakistan Act 2014, Section 16.  CW/BW: Penal Code 1860, as amended, Section 107.
10	assist in abovementioned activities	x	x	x	NW/CW/BW: Anti-Terrorism Act 1997, as amended, Sections 2 and 21-C, I and J. Protection of Pakistan Act 2014, Section 2 (k) and (I); Schedule: Scheduled offence (3) on abetment, attempt or conspiracy.	x	x	x	NW/CW/BW: Protection of Pakistan Act 2014, Section 16. Anti-Terrorism Act 1997, as amended, Sections 7 and 21-C, I and J. Anti-Terrorism (Amendment) Ordinance 2005, Articles 3-9 and 11 (increases penalties). National Command Authority Act 2010, Section 12.
					CW: CWCIO No. LIV of 2000, Section 3(d).				CW: CWCIO No. LIV of 2000, Section 3(d).
11	finance abovementioned activities	x	X	x	NW/CW/BW: Anti-Terrorism Act 1997, as amended, Sections 11H-11K. Anti-Money Laundering Act 2010, as amended, Sections 3 and 6.	x	x	x	NW/CW/BW: Anti-Terrorism Act 1997, as amended, Section 11-N. Anti-Terrorism (Amendment) Ordinance 2005, Article 5 (increases penalties). National Command Authority Act 2010, Section 12. Anti-Money Laundering Act 2010, as amended, Section 4. Financial Monitoring Unit established.  CW:
					CWCIO No. LIV of 2000, Section 3(d) (assist in any way).				CWCIO No. LIV of 2000, Section 3 (3).
12	abovementioned activities related to means of delivery <sup>1</sup>	Х	Х		<b>NW:</b> The Pakistan Arms Ordinance 1965, Section 3 (defines guided missiles and rockets as arms).	X	X		NW: The Pakistan Arms Ordinance 1965, Sections 13 and 29. National Command Authority Act 2010, Section 12.
					CW: CWCIO No. LIV of 2000, Sections 2(c), 3-5.				CW: CWCIO No. LIV of 2000, Sections 3 (3), 4 (3) and 5(2).

<sup>1.</sup> Means of delivery: missiles, rockets and other unmanned systems capable of delivering nuclear, chemical, or biological weapons that are specially designed for such use.

# III. OP 3 (a) and (b) - Account for/Secure/Physically protect NW, CW and BW, including Related Materials <sup>2</sup>

	Measures to establish lomestic controls to prevent			<u>N</u> at	ional legal and/or regulatory framework			nforcement and civil/criminal penalties		
1	the proliferation of NW, CW, BW, and their means of delivery; controls over related materials		X /?  N C B W W W *		Source document		N C W W		Source document	Remarks
1	Measures to account for production	X	X	X	NW: INFCIRC/34/116/135/239/248/393/418/705/8 16/920. PNRA Ordinance 2001, Section 16. Regulations for Licensing of Nuclear Installations in Pakistan PAK/909 (Rev. 1) 2012. Pakistan Nuclear Regulatory Authority Enforcement Regulations – (PAK/950) 2010. Regulations on the Safety of Nuclear Power Plants Operation (PAK/913) (Rev. 1). Regulations for the Licensing of Radiation Facility(ies) other than Nuclear Installation(s) - PAK/908 of 2004. National Command Authority Act 2010, Section 7.  CW: CWCIO No. LIV of 2000, Sections 7 and 21. Chemical Weapons Convention (Implementation) Rules 2010, Rule 5. Environmental Protection Act 1997, Section 14.  BW: Pakistan Biosafety Rules 2005, Section 19 (applies to living modified organisms, substances, cells and products of microorganisms).	X	X	X	NW: PNRA Ordinance 2001, Section 44(1). National Command Authority Act 2010, Section 12.  CW: CWCIO No. LIV of 2000, Sections 19 and 21, and Schedule IV. Environmental Protection Act 1997, Section 17(2). Hazardous Substances Rules 2003 (cancellation of the license for not complying with the rules).  BW: Pakistan Biosafety Rules 2005, Section 5.	

2	Measures to account for use	х	x	x	NW: PNRA Ordinance 2001, Section 16. Pakistan Nuclear Regulatory Authority Enforcement Regulations – (PAK/950) 2010. Regulations for the Licensing of Radiation Facility(ies) other than Nuclear Installation(s) - PAK/908 of 2004. Regulations on the Safety of Nuclear Power Plants Operation (PAK/913) (Rev. 1) 2008. Regulations on Radiation Protection (PAK/904) 2004, as amended, Rule 20. Regulations for Licensing of Nuclear Installations in Pakistan PAK/909 (Rev. 1) 2012. National Command Authority Act 2010, Section 7.  CW: CWCIO No. LIV of 2000, Sections 7 and 21. Chemical Weapons Convention (Implementation) Rules 2010, Rule 5.  BW: Pakistan Biosafety Rules 2005, Rules 17 and 19 (applies to living modified organisms, substances and cells).	x	х	х	NW: PNRA Ordinance 2001, Section 44(1). National Command Authority Act 2010, Section 12.  CW: CWCIO No. LIV of 2000, Sections 19 and 21, and Schedule IV.  BW: Pakistan Biosafety Rules 2005, Section 5.	
3	Measures to account for storage	x	x	x	NW: PNRA Ordinance 2001, Section 16. Nuclear Safety and Radiation Protection Regulations 1990, Rule 59(i). Regulations for the Licensing of Radiation Facility(ies) other than Nuclear Installation(s) - PAK/908 of 2004. Regulations on the Safety of Nuclear Power Plants Operation PAK/913) (Rev. 1) 2008. Regulations on Radiation Protection (PAK/904) 2004, as amended, Rules 20 and 21. Regulations for Licensing of Nuclear Installations in Pakistan PAK/909 (Rev. 1) 2012. National Command Authority Act 2010, Section 7.  CW: CWCIO No. LIV of 2000, Sections 7 (retention)	x	x	x	NW: PNRA Ordinance 2001, Section 44(1). National Command Authority Act 2010, Section 12.  CW: CW: CWCIO No. LIV of 2000, Sections 19 and 21, and	

					and 21. Chemical Weapons Convention (Implementation) Rules 2010, Rule 5. Environmental Protection Act 1997, Section 14.  BW: Pakistan Biosafety Rules 2005, Rule 2 (applies to storage of living modified organisms, substances and cells).				Schedule IV. Environmental Protection Act 1997, Section 17(2).  BW: Pakistan Biosafety Rules 2005, Section 5.	
4	Measures to account for transport	х	х		NW: Nuclear Regulatory Authority Ordinance 2001, Section 16. National Regulations for the Safe Transport of Radioactive Material - PAK/916 – 2007, Rule 5. National Command Authority Act 2010, Section 7.  CW: Environmental Protection Act 1997, Section 14. Hazardous Substances Rules 2003, Rule 21 (Transport of hazardous substances Lists- Schedule II, includes CWC chemicals such as Mustard gas: Bis(2-chloroethyl) sulphide and Phosphorus oxychloride).	х	х		NW: Nuclear Regulatory Authority Ordinance 2001, Section 44(1). National Command Authority Act 2010, Section 12.  CW: Hazardous Substances Rules 2003, Rule 21 (Transport of hazardous substances Lists- Schedule II, includes CWC chemicals such as Mustard gas: Bis(2-chloroethyl) sulphide and Phosphorus oxychloride).	
5	Measures to secure production	х	х	х	NW: Regulations on the Safety of Nuclear Power Plants Operation (PAK/913) (Rev. 1) 2008. National Command Authority Act 2010, Section 7. PNRA Regulations on Physical Protection of Nuclear Material and Nuclear Installations PAK/925 2019.  CW: Hazardous Substances Rules 2003 (Lists includes several CWC chemicals and Article 17 - Safety Plan). CWCIO No. LIV of 2000, Section 7.  BW: Pakistan Biosafety Rules 2005, Section 19.	х	х	х	NW: Nuclear Regulatory Authority Ordinance 2001, Section 44(1). National Command Authority Act 2010, Section 12. PNRA Regulations on Physical Protection of Nuclear Material and Nuclear Installations PAK/925 2019.  CW: CWCIO No. LIV of 2000, Section 19 and Schedule IV. Hazardous Substances Rules 2003 (cancellation of the license for not complying with the rules). Environmental Protection Act, Section 17 (2).  BW: Bio-Safety Guidelines, 2005.	

					National Laboratory Biosafety and Biosecurity Policy 2017.				National Laboratory Biosafety and Biosecurity Policy 2017.
6	Measures to secure use	х	х	х	NW: PNRA Regulations on Physical Protection of Nuclear Material and Nuclear Installations PAK/925 2019. PNRA Regulations on Radiation Protection (PAK/904) 2004. Nuclear Regulatory Authority Ordinance 2001, Section 16.  Regulations on the Safety of Nuclear Power Plants Operation (PAK/913) (Rev. 1) 2008. National Command Authority Act 2010, Section 7.  CW: Hazardous Substances Rules 2003: Lists includes several CWC chemicals and Article 17 - Safety Plan. CWCIO No. LIV of 2000, Section 7.  BW: Pakistan Biosafety Rules 2005, Rule 19. National Laboratory Biosafety and Biosecurity Policy 2017.	х	х	X	NW: PNRA Regulations on Physical Protection of Nuclear Material and Nuclear Installations - PAK/925 2019. Nuclear Regulatory Authority Ordinance 2001, Section 44(1). National Command Authority Act 2010, Section 12.  CW: CWCIO No. LIV of 2000, Section 19 and Schedule IV. Hazardous Substances Rules 2003 (cancellation of the license for not complying with the rules). Environmental Protection Act, Section 17(2).  BW: Pakistan Biosafety Rules 2005, Rule 20 (deliberate or unintentional release is not allowed). Environmental Protection Act, Section 17(2). National Laboratory Biosafety and Biosecurity Policy 2017.
7	Measures to secure storage	x	x	x	NW: PNRA Regulations on Physical Protection of Nuclear Material and Nuclear Installations PAK/925 2019. National Command Authority Act 2010, Section 7. Nuclear Regulatory Authority Ordinance 2001, Section 16. PNRA Regulation on Radiation Protection (PAK/904) 2004. Regulations on the Safety of Nuclear Power	x	x	x	NW: PNRA Regulations on Physical Protection of Nuclear Material and Nuclear Installations - PAK/925 2019. National Command Authority Act 2010, Section 12. Nuclear Regulatory Authority Ordinance 2001, Section 44.

					Plants Operation (PAK/913) (Rev. 1) 2008.					
					CW: Hazardous Substances Rules 2003 (Lists includes several CWC chemicals and Article 17 - Safety Plan). Chemical Weapons Convention (Implementation) Rules 2010, Rule 11 (requirement of registration with details of suitable storage facility).  BW: Pakistan Biosafety Rules 2005, Rules 2, 19, 21 and 22 (applies to living modified organisms, substances and cells). National Laboratory Biosafety and Biosecurity Policy 2017.				CW: Chemical Weapons Convention (Implementation) Rules 2010, Rule 14(3) (any Contravention to the provisions of Section 23 of Ordinance that is registration). Hazardous Substances Rules 2003 (cancellation of the license for not complying with the rules). Environmental Protection Act, Section 17(2).  BW: Bio-Safety Guidelines, 2005. National Laboratory Biosafety and Biosecurity Policy 2017.	
8	Measures to secure transport	x	x	X	NW: PNRA Regulations on Physical Protection of Nuclear Material and Nuclear Installations - PAK/925 2019. PNRA Regulations for the Safe Transport of Radioactive Material - PAK/916, 2007. PNRA Regulations on Radiation Protection (PAK/904) 2004. Nuclear Regulatory Authority Ordinance 2001, Section 16.  Regulations on the Safety of Nuclear Power Plants Operation (PAK/913) (Rev. 1) 2008.	X	X	X	NW: PNRA Regulations on Physical Protection of Nuclear Material and Nuclear Installations - PAK/925 2019. National Command Authority Act 2010, Section 12. Nuclear Regulatory Authority Ordinance 2001, Section 44.	
					CW: Hazardous Substances Rules 2003, Rule 21 (Transport of hazardous substances).  BW: Biosafety Guidelines 2005. National Laboratory Biosafety and Biosecurity Policy 2017.				CW: Environmental Protection Act, Section 17(2).  BW: National Laboratory Biosafety and Biosecurity Policy 2017.	
9	Physical protection measures	х	х	х	NW: PNRA Regulations on Physical Protection of Nuclear Material and Nuclear Installations -	х	Х	Х	NW: PNRA Regulations on Physical Protection of Nuclear Material and Nuclear Installations -	

	T.			1	DAY/025 2010			1	DAK/025 2010	
					PAK/925 2019.				PAK/925 2019.	
					PNRA Regulation PAK/911.				National Command Authority Act 2010, Section	
					Licensees to follow IAEA INFCIRC/224/Rev.4 -				12.	
					Physical Protection of Nuclear Material and				Nuclear Regulatory Authority Ordinance 2001,	
					Nuclear Facilities.				Section 44.	
					Pakistan Nuclear Regulatory Authority					
					Ordinance 2001 - Ordinance No. III of 2001,					
					Section 16-f.					
					Nuclear Safety and Radiation Protection					
					Regulations 1990, Rule 44.					
					Regulations on the Safety of Nuclear Power					
					Plants Operation (PAK/913) (Rev. 1) 2008,					
					Regulation 9 (physical protection).					
					Regulations for the Safe Transport of					
					Radioactive Material - PAK/916, 2007.					
					CW:				cw:	
					CWCIO No. LIV of 2000, Schedule IV (Regime				Environmental Protection Act, Section 17(2).	
					for other chemical production facilities).					
					Hazardous Substances Rules 2003, Rule 17.					
					BW:				BW:	
					Pakistan Biosafety Rules 2005, Rule 5.				Biosafety Guidelines, 2005 (The National	
					National Laboratory Biosafety and Biosecurity				Biosafety Committee has the power to ensure	
					Policy 2017.				that laboratory work conforms to national	
					Folicy 2017.				biosafety guidelines).	
									National Laboratory Biosafety and Biosecurity	
									Policy 2017.	
									Folicy 2017.	
					NW:				NW:	
					PAK Employees (Service) Regulations 2004,				National Command Authority Act 2010, Section	
					Chapter VII.				7(d).	
					Nuclear Regulatory Authority Ordinance 2001,				PNRA ensures that each nuclear installation has	
					Sections 51 and 52.				qualified and trained personnel.	
					Regulations on the Safety of Nuclear Power				quanted and cramed personnen	
					Plants Operation (PAK/913) (Rev. 1), especially					
10	Personnel Reliability	Х	?	Х	Annexes I-V.	Х	?	Х		
10	1 croomic renability	^	'	_ ^	PAK/1401 Staffing of nuclear power plants and	^				
					the recruitment, training and authorisation of					
					operation personnel.					
					National Command Authority Act 2010, Section					
					7(d).					
					, ( <u>~</u> ).					
	L	1	1	1	1	1	<u> </u>	<u> </u>		

CW: Hazardous Substances Rules 2003, Rule 12 (A record of every worker shall be maintained containing, amongst other details, his name and address, his medical check-up history, and the hazardous substances handled by him).	CW: Environmental Protection Act, Section 17(2).
BW: Pakistan Biosafety Rules 2005, Rule 5 f) and h). National Laboratory Biosafety and Biosecurity Policy 2017.	BW: The National Biosafety Committee has the power to restrain any person, authority or institute involved with genetic manipulation experiments of potential hazards. National Laboratory Biosafety and Biosecurity Policy 2017.

<sup>2.</sup> Related materials: materials, equipment and technology covered by relevant multilateral treaties and arrangements, or included on national control lists, which could be used for the design, development, production or use of nuclear, chemical and biological weapons and their means of delivery.

<sup>\*</sup> Information required in this section may also be available in the State's Confidence Building Measures report, if submitted to the BWC Implementation Support Unit (online at: <a href="http://www.unog.ch/80256EE600585943/">http://www.unog.ch/80256EE600585943/<a href="http://www.unog.ch/80256EE600585943/">http://www.unog.ch/80256EE600585943/<a href="http://www.unog.ch/80256EE600585943/">http://www.unog.ch/80256EE600585943/<a href="http://www.unog.ch/80256EE600585943/">http://www.unog.ch/80256EE600585943/<a href="http://www.unog.ch/80256EE600585943/">http://www.unog.ch/80256EE600585943/</a>

## IV. OP 3 (a) and (b) - Account for/Secure/Physically protect NW including Related Materials (NW specific)

dor the	Measures to establish nestic controls to prevent proliferation of NW, and heir means of delivery; controls over related materials	Source document							
1	National regulatory authority	National Command Authority Act 2010, Section 3. Pakistan Nuclear Regulatory Authority Ordinance No. 3 of 2001, Section 3. Pakistan Atomic Energy Commission (Amendment) Ordinance No. 7 of 2001, Article 3.  Strategic Plans Division (SPD) is the secretariat of National Command Authority (NCA). Pakistan Nuclear Regulatory Authority (PNRA). PNRA has established three Regional Nuclear Safety Directorates (RNSDs) at Islamabad, Karachi and Kundian. Regional offices at Peshawar and Quetta to assist law enforcement agencies in combating illicit trafficking of radioactive sources and material.							
2	Licensing of nuclear installations/entities/ use of materials	PNRA Regulation PAK/909.  Nuclear Regulatory Authority Ordinance 2001, Sections 19-24.  Regulations for the Licensing of Radiation Facility(ies) other than Nuclear Installation(s) - PAK/908.							
3	IAEA Safeguards Agreements	INFCIRC/920. INFCIRC/816. INFCIRC/705. INFCIRC/418. INFCIRC/393. INFCIRC/248. INFCIRC/248. INFCIRC/116. INFCIRC/135. INFCIRC/34.							
4	IAEA Code of Conduct on Safety and Security of Radioactive Sources	Declared Political Commitment to Adhere (Pakistan Nuclear Regulatory Authority has issued regulations PAK/926 to implement this code).							
5	Supplementary Guidance on the Import and Export of Radioactive Sources of the Code of Conduct on	Declared Political Commitment to Adhere.							

	the Safety and Security of Radioactive Sources		
6	IAEA Incident and Trafficking Database	Participates.	
7	Integrated Nuclear Security Support Plan (INSSP) / International Physical Protection Advisory Service (IPPAS)	Expressed intention to host IPPAS as the earliest opportune time (Source Link: Statement of Chairman Pakistan Atomic Energy Commission: https://link.springer.com/content/pdf/10.1007%2F978-3-030-42913-3.pdf).	
8	Applying the physical protection recommendations in INFCIRC/225/Rev.5	PNRA Regulations on Physical Protection of Nuclear Material and Nuclear Installations -PAK/925 2019.	
9	Other Agreements related to IAEA	INFCIRC/919. The Text of a Regional Co-operative Agreement for Research, Development and Training Related to Nuclear Science and Technology.	
10	National legislation and regulations related to nuclear material including CPPNM	PNRA Regulations on Physical Protection of Nuclear Material and Nuclear Installations -PAK/925.	

## V. OP 3 (a) and (b) - Account for/Secure/Physically protect CW including Related Materials (CW specific)

th	Measures to establish mestic controls to prevent e proliferation of CW, and their means of delivery; controls over related materials							
1	National CWC authority	CWCIO No. LIV of 2000, Section 9. CWC National Authority. Government of Pakistan, Ministry of Foreign Affairs, Secretary - Disarmament Coordination Cell.						
2	Licensing/registration of installations/facilities/ persons/entities/use/ handling of related materials	Hazardous Substances Rules 2003, Rule 7 (Lists includes several CWC chemicals).  CWCIO No. LIV of 2000, Section 23 (1).  Hazardous Substances Rules 2003, Rule 15 (cancellation of the license for not complying with the rules).  Environmental Protection Act, Section 17(2).  Environmental Protection Agency.						
3	Old or abandoned chemical weapons	Pakistan is not a Possessor State.						

## VI. OP 3 (a) and (b) - Account for/Secure/Physically protect BW including Related Materials (BW specific)

th	Measures to establish mestic controls to prevent proliferation of BW, their neans of delivery; controls over related materials	Source document	Remarks
1	Licensing/registration of installations/facilities/ persons/entities/use/ handling of materials	Pakistan Biosafety Rules 2005, Rules 11 and 15 (applies to living modified organisms, substances and cells).	

## VII. OP 3 (c) and (d) and related matters from OP 6 - Controls of NW, CW and BW, including Related Materials

and	der controls and export				<u>N</u> ational legal framework			En	forcement and civil/criminal penalties	
of i	to prevent the proliferation of nuclear, chemical and biological weapons and their means of delivery including related materials		x /? c w	В	Source document	N W	x /? c w	В	Source document	Remarks
1	Border control to detect, deter, prevent and combat illicit trafficking	х	х	x	NW/CW/BW: Customs Act 1969, as amended, Chapter IV (Prohibition and restriction of importation and exportation) and Section 219.  NW/BW: Export Control Act No. V of 2004, as amended, Section 3(2). Export Control Licensing and Enforcement Rules 2009 as amended, Rules 11 and 12.  BW: Plant Quarantine Act 1976, as amended, Section 3. Animal Quarantine Ordinance 1979, as amended, Section 3.	х	x	x	NW/CW/BW: Customs Act 1969, as amended, Chapter VII (Prevention of smuggling, adjudication of offences) and VII (Offences and penalties).  NW/BW: Export Control Act No. V of 2004, as amended, Sections 7-8. Export Control Licensing and Enforcement Rules 2009 as amended, Rule 14.  BW: Animal Quarantine Ordinance, Section 8.	
2	Law enforcement to detect, deter, prevent and combat illicit trafficking	х	х	х	NW/CW/BW: Customs Act 1969, Chapter IV (Prohibition and restriction of importation and exportation) and Section 219. Frontier Corp Ordinance 1959. West Pakistan Rangers Ordinance 1959. Coast Guard Act 1973. Airport Security Force Ordinance 1975. Pakistan Railway Police Act 1977. Karachi Port Trust Security Force Ordinance 2002. Entrustment of Power Through Custom Rules, Notifications and SROs, 29(I)73 and 524(I)74. Entrustment of Power Through Custom Rules,	Х	X	X	NW/CW/BW: Pakistan Customs Federal Investigation Agency West Pakistan Rangers Railway Police Airport Security Force Police Frontier Corps Coast Guards Karachi Port Security Force Maritime Police	

					Notifications and SROs, 1017(I)74.					
					BW: Plant Quarantine Act 1976, Section 3. Animal Quarantine Ordinance 1979.				<b>BW:</b> Animal Quarantine Department of Ministry of Food, Agriculture and Livestock.	
3	Border control detection measures	X	X	X	NW/CW/BW: Special training to detect sensitive materials. Deployment of scanners, etc. Additional detection equipment has been deployed at entry and exit points.	X	X	X	NW/CW/BW: Special training to detect sensitive materials. Deployment of scanners, etc. Additional detection equipment has been deployed at entry and exit points.  As a part of border control detection measures, Pakistan is fencing Western border with cost of about \$500 million. Surveillance cameras are being installed which will be monitored 24/7 by more than 338 newly constructed security posts along North-Western and South-Western border in order to prevent, deter and detect prohibited goods/items including at entry/exit points.	
4	Control of brokering	Х	x	x	NW/BW: Export Control on Goods, Technologies, Material and Equipment related to Nuclear and Biological Weapons and their Delivery Systems Act 2004. Export Policy Order 2016.  CW: CWC Implementation Rules 2010, Rules 6, 7 and 12 (State interprets that national controls on chemical weapons related materials cover brokering activities).	Х	x	x	NW/BW: Export Policy Order 2016 notified to Pakistan Customs.  CW: CWC Implementation Rules 2010, Rule 14 (State interprets that national controls on chemical weapons related materials cover brokering activities).	
5	Export control legislation in place	х	x	x	NW/CW/BW: Customs Act 1969, Section 16 (Power to prohibit or restrict importation and exportation of goods. The Federal Government may, from time to time, by notification in the official Gazette, prohibit or restrict the bringing into or taking out of Pakistan of any goods of specified description by air, sea or land) The Import and Export (Control) Act - Act No.	х	х	x	NW/CW/BW: Customs Act, Section 17 (Detention, seizure and confiscation of goods imported in violation of section 15 or section 16. Where any goods are imported into, or attempted to be exported out of, Pakistan in violation of the provisions of section 15 or of a notification under section 16, such goods shall, without prejudice to any other penalty to which the	

					XXXIX - of 1950.				offender may be liable under this Act or the rules made thereunder or any other law, be liable to detention, for seizure or confiscation subject to approval of an officer not below the rank of an Assistant Collector of Customs, and seizure for confiscation through adjudication, if required).  The Import and Export (Control) Act - Act No. XXXIX - of 1950, Section 5(1).
					NW: PNSRP Ordinance of 1984 and Regulation of 1990 (nuclear substances and radioactive materials). Pakistan Nuclear Regulatory Authority. Ordinance (PNRA), of 2001, Ordinance No. III of 2001. Export Control Act No. V of 2004.				NW: Pakistan Nuclear Regulatory Authority. Ordinance (PNRA), 2001, Ordinance No. III of 2001, Section 44(1). Export Control Act No. V of 2004, Section 8. No Objection Certificate (NOC) from PNRA is required for export of radiation source or equipment.
					CW: Export Policy Order 2016, Article 11. Chemical Weapons Convention Implementation Ordinance No. LIV of 2000 (CWCIO No. LIV of 2000), Section 5, Schedule IV.				CW: The Import and Export (Control) Act, 1950 - Act No. XXXIX of 1950, Article 5. CWCIO No. LIV of 2000, Section 5.
					BW: Export Control Act No. V of 2004. Export Policy Order 2016. Plant Quarantine Act 1976. Biosafety Rules 2005, Rule 5 (the National Biosafety Committee has the power to ban or restrict import, export of any living modified organism causing or likely to cause risk to public health, safety or environment).				BW: Export Control Act No. V of 2004, Section 8. The Import and Export (Control) Act 1950, Act XXXIX of 1950, Article 5. Export Policy Order 2016, Article 17.
6	Licensing provisions and Authority	х	х	х	NW/CW/BW: Export Policy Order 2016.  NW: Export Control Act No. V of 2004. Pakistan Nuclear Regulatory Authority Ordinance (PNRA) of 2001 - Ordinance No. III	X	Х	Х	NW/CW/BW: Export Policy Order 2016.  NW: Export Control Act No. V of 2004. Pakistan Nuclear Regulatory Authority Ordinance (PNRA) of 2001 - Ordinance No. III of

					of 2001, Sections 19-23. Export Control (Licensing and Enforcement) Rules, 2009.  CW: CWCIO No. LIV of 2000, Section 23(1) (registration). CWC Implementation Rules 2010, Rule 12.				2001, Sections 19-23. Export Control (Licensing and Enforcement) Rules 2009. Ministry of Foreign Affairs Notification S.R.O. 449(I)/2009. (Strategic Export Control Division (SECDIV) in the Ministry of Foreign Affairs is an interagency mechanism for institutionalised implementation of export control policy). National Command Authority Act 2010, Section 12.  CW: CWC Implementation Rules 2010, Rule 12. The Import and Export (Control) Act, 1950 - Act No. XXXIX of 1950, Article 5. CWCIO No. LIV of 2000. Ministry of Foreign Affairs: National CWC	
					BW: Export Control Act No. V of 2004, Section 5. Export Control (Licensing and Enforcement) Rules 2009, Rule 6. Pakistan Biosafety Rules 2005. Plant Quarantine Act 1976, Articles 3, 5 and 12. Animal Quarantine Act 1979.				Authority. Ministry of Commerce: Licensing.  BW: Export Control Act No. V of 2004, Section 5. Export Control (Licensing and Enforcement) Rules 2009, Rule 6. Strategic Export Control Division (SECDIV) in the Ministry of Foreign Affairs. Export Policy Order 2016. The Import and Export (Control) Act 1950, Act XXXIX of 1950, Article 5. Director or to the Entomologist (Quarantine). Quarantine Officer. National Biosafety Committee. Ministry of Commerce.	
7	Control lists of materials, equipment and technology	x	x	x	NW/CW/BW: Export Policy Order 2016.  NW/BW: Export Control Act No. V of 2004. Statutory Regulatory Order 891(1)/2018.  CW: CWCIO No. LIV of 2000, Schedules I-III.	x	x	x	NW/CW/BW: Export Policy Order 2016.  NW/BW: Export Control Act No. V of 2004. Statutory Regulatory Order 891(1)/2018.  CW: CWCIO No. LIV of 2000, Schedules I-III.	

8	Intangible technology transfers	x		x	NW/BW: Export Control Act No. V of 2004, Sections 2 and 5 (see definition of services). Ministry of Foreign Affairs Notification No. 2 (24)/2013-SECDIV(P): Internal Compliance Programme (ICP) Guidelines 2014. Officials Secrets Act 1923, Section 5. National Command Authority Act 2010.	x		x	NW/BW: Export Control Act No. V of 2004, Section 8. Ministry of Foreign Affairs Notification No. 2 (24)/2013-SECDIV(P): Internal Compliance Programme (ICP) Guidelines 2014. Officials Secrets Act 1923, Section 5. National Command Authority Act 2010.
9	Inclusion of means of delivery	x	x	x	NW/BW: Export Control Act No. V of 2004. Export Policy Order 2016.  CW: Export Policy Order 2016. Chemical Weapons Convention Implementation Ordinance 2000, Section 2.  BW: Export Control Act No. V of 2004. Export Policy Order 2016.	x	x	x	NW/BW: Export Control Act No. V of 2004. Export Policy Order 2016, Schedules I and II.  CW: Export Policy Order 2016.  BW: Export Control Act No. V of 2004. Export Policy Order 2016.
10	End-user controls	x	x	x	NW/BW: Export Control Act No. V of 2004. Export Policy Order 2016.  CW: Export Policy Order 2016. CWCIO No. LIV of 2000, Schedule IV. CWC Implementation Rules 2010, Rule 12.	x	x	x	NW/BW: Export Control Act No. V of 2004. Export Policy Order 2016, Appendices D-E.  CW: Export Policy Order 2016, Appendices D-E.
11	Catch all clause	x		x	NW/BW: Export Control Act No. V of 2004, Sections 2 and 5. Ministry of Foreign Affairs Notification SRO 442(I)/2016 Policy Guidelines on Strategic Export Controls 2016.  CW: Chemical Weapons Convention Implementation Ordinance 2000.	x		x	NW/BW: Export Control Act No. V of 2004, Section 8. Ministry of Foreign Affairs Notification SRO 442(I)/2016 Policy Guidelines on Strategic Export Controls 2016.

12	Transit control	X	X	X	NW: Export Control Act No. V of 2004. Export Policy Order 2016. Ministry of Foreign Affairs Notification SRO 442(I)/2016 Policy Guidelines on Strategic Export Controls 2016.  CW: CWCIO No. LIV of 2000, Section 5. CWC Implementation Rules 2010.  BW: Export Control Act No. V of 2004. Policy Guidelines on Strategic Export Controls 2016. Plant Quarantine Act 1976, Article 33. Export Policy Order 2016.	X	X	x	NW: Export Control Act No. V of 2004, Section 8. Policy Guidelines on Strategic Export Controls 2016.  CW: CWCIO No. LIV of 2000, Section 5(2). CWC Implementation Rules 2010.  BW: Export Control Act No. V of 2004, Section 8. Ministry of Foreign Affairs Notification SRO 442(I)/2016 Policy Guidelines on Strategic Export Controls 2016.
13	Trans-shipment control	х	х	x	NW: Export Control Act No. V of 2004. Ministry of Foreign Affairs Notification SRO 442(I)/2016 Policy Guidelines on Strategic Export Controls 2016. Export Policy Order 2016.  CW: CWCIO No. LIV of 2000, Section 5. CWC Implementation Rules 2010.  BW: Export Control Act No. V of 2004. Policy Guidelines on Strategic Export Controls 2016. Plant Quarantine Act 1976, Article 33. Export Policy Order 2016.	X	х	x	NW/BW: Export Control Act No. V of 2004, Section 8. Ministry of Foreign Affairs Notification SRO 442(I)/2016 Policy Guidelines on Strategic Export Controls 2016.  CW: CWCIO No. LIV of 2000, Article 5(2). CWC Implementation Rules 2010.
14	Re-export control	х	x	x	NW/BW: Export Control Act No. V of 2004, Sections 2 and 10.  CW: Export Policy Order 2016, Sections 9 and 11.	х	х	х	NW/BW: The Import and Export (Control) Act 1950, Act XXXIX of 1950, Section 5. Export Control Act 2004, Sections 2 and 10.  CW: The Import and Export (Control) Act, 1950 - Act No. XXXIX of 1950, Section 5.

									Export Policy Order 2016, Sections 9 and 11.
15	Control over financing of exports/transhipments that would contribute to proliferation	x	х	х	NW/BW/CW: Anti-Terrorism Act 1997, as amended on 22 August 2020 (State interprets the amendments as to efficiently implement Targeted Financial Sanctions/Proliferation Financing). Anti-money Laundering Act 2010 as amended in September 2020 (State interprets the amendments as to further strengthen compliance with Targeted Financial Sanctions and to make it compatible for future threats).  NW/BW: Export Control Act 2004, Section 8(2) (abets).  CW: CW: CWCIO No. LIV of 2000, Section 3(d) (assist in any way).	х	х	x	NW/BW/CW: Anti-Terrorism Act 1997, as amended on 22 August 2020. Anti-money Laundering Act 2010, as amended in September 2020. National Counter Proliferation Units (NCPU) have also been established by Pakistan Customs to check and monitor the flow of currency.  NW/BW: Export Control Act 2004, Section 8(2).  CW: CWCIO No. LIV of 2000, Section 3(3) (assist in any way).
16	Control over services related to exports/ transhipments that would contribute to proliferation including transportation	Х		x	NW/BW: Export Control Act 2004. Section 2(f) of Export Control Act defines "Exports" as "shipment, transfer, or transmission of goods or technology", Sections 4(4) and 8 (2).	х		х	NW/BW: Export Control Act 2004, Sections 2(f), 4(4), and 8(2).

#### VIII. OP 7 and 8 (d) - Assistance, Work with and inform Industry and Public, and other Information

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1	Assistance offered	Over the years, Pakistan has acquired considerable experience as well as expertise in the safe and secure utilization of nuclear energy as well as in the application of chemistry and biology for peaceful purposes.  Pakistan stands ready to offer its assistance, including in form of trainings, to interested States and in response to specific requests in those areas where it has gained expertise including those relating to the implementation of resolution 1540.  These areas include:  Strategic Export Controls  Establishment of legal and regulatory framework on export controls  Training of enforcement officials in Commodity Identification of dual-use items  Industry Outreach and Public awareness raising  Internal Compliance/ Self-regulation  Training for Licensing Officers  Outreach to academia and research institutions and setting up a compliance mechanism  Nuclear Security trainings/assistance  Introduction to evaluation of physical protection system effectiveness  Implementation of nuclear security recommendations on physical protection of nuclear material and facilities  Security of radioactive sources  Threat assessment and risk-informed approach for nuclear and other radioactive materials out of regulatory control  Threat assessment and design basis threat  CWC related trainings/assistance  Assistance in establishment of a National Authority on CWC, including drafting of CWC-related legislation, advanced trainings to first responders/law enforcement agencies  Industry outreach and awareness raising to public/academia
2	Assistance Point of Contact (for assistance providers only)	Director General (Arms Control and Disarmament) Ministry of Foreign Affairs Tel: +92-51-9208792 Email: dg.disarmntp@mofa.gov.pk
3	Assistance requested	
4	Action taken to work with and inform industry	Government maintains a close working relationship with industry, particularly with chemical industry and with chambers of commerce. A secure communication network called the Wide Area Network (WAN) that gathers various CWC-related declarations and data from the industry and all other stakeholders.

		(For effective implementation of the Security Council resolutions, an inter-ministerial committee for Coordination, Review and Monitoring Committee (CRMC) has been set up and notified vide S.R.O 1067 (I)/2018 dated 28 August 2018. The committee regularly briefs the regulators on the importance of outreach.)  The SECDIV undertakes periodic targeted outreach to academia, research institutions, the business community and the general public to raise awareness and enhance implementation of national export control laws. The Division also conducts seminars, in collaboration with the Higher Education Commission, exclusively for academia and researchers. In this regard discussions and presentations have been regularly arranged involving Chamber of Commerce and Industry, researchers/ academia, trade associations and enforcement agencies.  The SECDIV has launched an exclusive website (www.secdiv.gov.pk) for timely dissemination of information and raising the awareness on related aspects of strategic export controls and relevant UNSC resolutions on non-proliferation of WMDs. To further facilitate the exporters, the
		SECDIV has launched Goods Enquiry Tool (GET) on its website, whereby any exporter can easily ascertain if the goods are subject to an export license.
5	Action taken to work with and inform the public	PNRA keeps the public informed about its activities and about any event at nuclear installations and radiation facilities.  The Strategic Export Control Division undertakes periodic targeted outreach to academia, research institutions, the business community and the general public to raise awareness and enhance implementation of national export control laws. The Division also conducts seminars exclusively for academia and researchers.  Annual Outreach Plan-2020 has been formulated for awareness raising of the industry, businesses, research/academic institutions and other relevant stakeholders. Sessions on UNSCRs implementation are built into training modules of the annual outreach plan.  To facilitate better understanding, interpretation and implementation of UNSCRs, a comprehensive guidance document has been developed.
6	Point of Contact	Director General (Arm Control and Disarmament) Ministry of Foreign Affairs Tel: +92-51-9208792 Email: dg.disarmntp@mofa.gov.pk  Mr Jehanzeb Khan (First Secretary, Permanent Mission of Pakistan to the United Nations) Tel: 212-879-8600 Fax: 212-744-7348 Email: pakistan@un.int
7	Voluntary National Implementation Action Plan (NAP)	Submitted as a part of its national report dated 30 April 2020.
8	1540 Committee visits to States	Co-hosted, with the 1540 Committee and UNODA, a regional seminar on the implementation of Resolution 1540 in Islamabad during 14 and 15 March 2017.