

Online Appendix for the paper «**Public Procurement Efficiency and Enforcement: Evidence from Kazakhstan and Russia**»

**Table 1A.** Main legislative acts on public procurement in Russia and Kazakhstan

<i>Russia</i>	<i>Kazakhstan</i>
Presidential Decree No. 305 dd. April 8, 1997 “On priority measures to prevent corruption and reduce budgetary spending in public procurement”	Law of the Republic of Kazakhstan No. 163-1 dd. July 16, 1997 “On public procurement”
Federal Law No. 97-FZ dd. May 6, 1999 “On the organization of tenders for the placement of orders for the supply of goods, performance of work and provision of services for state needs”	Law of the Republic of Kazakhstan No. 321-II dd. May 16, 2002 “On public procurement”
Federal Law No. 94-FZ dd. July 21, 2005 “On the placement of orders for the supply of goods, performance of work and provision of services for state and municipal needs” (94-FZ)	Law of the Republic of Kazakhstan No. 303-III dd. July 21, 2007 “On public procurement” (303-III)
Federal Law No. 44-FZ dd. April 5, 2013 “On the contractual system in the sphere of procurement of goods, work and services for the provision of state and municipal needs” (44-FZ)	Law of the Republic of Kazakhstan No. 434-V dd. December 4, 2015 “on public procurement”

**Table 2A.** Benchmarking public procurement systems according to the World Bank's report

<i>Indicator</i>	<i>Score</i>	
	Kazakhstan	Russia
Needs assessment, call for tender, and bid preparation	<b>70</b>	<b>100</b>
Bid submission	90	78
Bid opening, evaluation, and award	86	64
Content and management of procurement contract	91	82
Performance guarantee	90	50
Payment of suppliers	50	33
Total	477	407

Source: World Bank (2018). Benchmarking Public Procurement 2017: Assessing Public Procurement Regulatory System in 180 Economies. USA: World Bank Publications.

**Table 3A.** Data on complaints to FAS and cases of administrative offenses in public procurement in Russia (similar data for Kazakhstan is unavailable)

<i>Parameter</i>	<i>2017</i>	<i>2018</i>	<i>2019</i>	<i>2020</i>
Number of complaints, thous.	89.3	83.4	87.1	88.0
Recognized justified, %	47	44	44	30
Number of administrative cases initiated, thous.	23.4	30.4	28.7	27.0
Number of judgments issued to impose administrative fines, thous.	20.1	25.4	24.2	24.0
Total amount of administrative fines, RUS mln.	295.8	387.7	300.7	404.0

Note: based on data from the Russian Ministry of Finance.

**Table 4A.** Comparison of the sample and the general population of suppliers

Parameters	General population (%)	Sample (%)
<i>Kazakhstan</i>		
Individual entrepreneur	23.68	22.73
Region host to the organization:		
Akmola region	17.92	20.81
Aktobe region	5.90	4.70
Almaty region	21.61	26.17
Atyrau region	4.55	3.36
East Kazakhstan region	4.55	7.38
Jambyl region	4.51	4.03
West Kazakhstan region	3.96	0.67
Karaganda region	6.45	10.07
Kostanay region	4.30	5.37
Kyzylorda region	4.01	1.34
Mangystau region	5.53	4.70
Ulytau region	0.89	0.00
Pavlodar region	4.33	3.36
North Kazakhstan region	2.33	1.34
Turkestan region	9.03	6.71
<i>Russia</i>		
Individual entrepreneur	15.82	16.08
Federal district host to the organization:		
Far Eastern district	6.08	3.99
Volga district	17.59	17.46
Northwestern district	12.46	13.97
North Caucasus	3.45	1.62
Siberia	13.24	10.85
Urals	9.14	9.10
Central district	29.39	32.67
Southern district	7.71	7.36
No answer	–	2.99

**Table 5A.** Assessments of dispute resolution mechanisms efficiency on a 7-point scale based on the choice of problems with delays in payments and work acceptance or signing acceptance certificates

<i>Option</i>	<i>Assessment of dispute resolution mechanisms efficiency (mean)</i>					
	Complaints			Courts		
	Kazakhstan	Russia	p-value	Kazakhstan	Russia	p-value
1. Did not mention these two problems as “frequently” encountered	3.6	3.8	0.50	3.7	3.7	0.94
2. Mentioned one or two problems as “frequently” encountered	<b>3.3</b>	<b>3.8</b>	0.02	<b>3.4</b>	<b>3.9</b>	0.01
p-value	0.36	0.95		0.34	0.22	

Note: The table uses a t-test by row to compare shares; see note from Table 3 for details.

**Table 6A.** Descriptive statistics

<i>Variable</i>	<i>Description of the variable</i>	<i>Obs.</i>	<i>Mean</i>	<i>Std. Dev.</i>	<i>Min.</i>	<i>Max.</i>
<i>efficiency</i>	Efficiency assessment (1–7)	941	4.50	1.60	1	7
<i>country</i>	Country (Kazakhstan – 1, Russia – 0)	960	0.17	0.37	0	1
<i>problems</i>	Suppliers mentioned one or two problems with delays in payments and work acceptance, or signing or signing acceptance certificates as “frequently” encountered (Yes – 1, No – 0)	971	0.55	0.50	0	1
<i>gender</i>	Gender (Male – 1, Female – 0)	936	0.62	0.49	0	1
<i>age</i>	21 to 40 years old (reference category)	945	0.44	0.49	0	1
	41 to 50 years old	945	0.31	0.46	0	1
	Over 51 years old	945	0.25	0.43	0	1
<i>size</i>	Micro enterprise (reference category)	939	0.62	0.49	0	1
	Small enterprise	939	0.25	0.43	0	1
	Medium/Large enterprise	939	0.13	0.34	0	1
<i>position</i>	Position (Head of the division/department – 1, Specialist – 0)	971	0.76	0.43	0	1
<i>experience_complex</i>	Experience with complex procurement procedures (Yes – 1, No – 0)	971	0.67	0.47	0	1