INTERNATIONAL DEVELOPMENT ASSOCIATION INTERNATIONAL MONETARY FUND

REPUBLIC OF UZBEKISTAN

Joint World Bank-IMF Debt Sustainability Analysis¹

May 2020

Prepared jointly by the staffs of the International Development Association (IDA)

And the International Monetary Fund (IMF)

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¹ This joint World Bank/IMF Debt Sustainability Analysis (DSA) has been prepared in the context of the 2020 request for emergency financing from the IMF. The macro framework underlying this DSA is the same as that included in the staff report of the 2020 RCF and RFI request which reflects recent global and domestic developments. The current macroeconomic framework reflects currently available information. However, updates with respect to the economic impact and policy response to the COVID-19 crisis are rapidly evolving and risks are tilted to the downside.

Uzbekistan: Join	t Bank-Fund Debt Sustainability Analysis ²
Risk of External Debt Distress	Low ³
Overall Risk of Debt Distress	Low
Granularity in the Risk Rating	Not applicable
Application of Judgment	No
Macroeconomic projections	The revisions present a deterioration in 2020 and a gradual recovery afterwards.i) In the near term, real GDP growth is projected to
	slowdown compared to the last DSA due to the COVID-19 outbreak (1.5 percent in 2020 compared to 6 percent in the 2019- DSA). Long-term growth was revised to 5 percent compared to 6 percent in the previous DSA.
	 ii) The overall fiscal deficit is projected to increase in 2020 (5½ percent of GDP compared to 1¾ percent of GDP in the 2019-DSA) and over the medium term it is projected to converge to around 2 percent of GDP close to the values in the previous DSA. iii) The current account deficit is expected to reach 9½
	percent of GDP (versus $4\frac{1}{2}$ percent of GDP in the 2019-DSA) in 2020. Over the medium term, the current account deficit is expected to converge to $4\frac{1}{4}$ percent of GDP as in the previous DSA.
Financial Strategy	In 2020, the additional fiscal needs will be financed with IFI funding. ⁴ Bilateral and multilateral funding will continue having a key role in the near and medium terms, but foreign and domestic commercial borrowing will gradually increase.
Stress test	The DSA shows that debt ratios are robust to a wide range of adverse shocks. In the 2020-baseline most of the macro variables are already 1 standard deviation below the previous period, suggesting the stress test is performed over a "stress" baseline. This is a more rigorous stress test than in normal conditions. However risks are higher in the current DSA and they are reflected in a single short-lived (1 year) breach of PV of PPG external debt-to-exports in 2022 under the most extreme stress test (exports shock). The breach reaches 5 percentage points.
Realism tools flagged	The tool flags the hike in public debt in 2019, which was attributed to large unanticipated issuance of SOE-guarantees. ⁵ This risk is mitigated as the authorities have set a cap on new commitments on PPG external debt.
Mechanical risk rating under the external DSA	Low
Mechanical risk rating under the public DSA	Low

² Debt coverage is the same as the 2019 DSA, which includes central government, state and local governments, extra-budgetary funds, social security, and SOEs' guaranteed debt. Non-guaranteed debt of SOEs is not covered in the DSA due to data limitations. Non-guaranteed debt of SOEs accounts for about 7 percent of GDP. The authorities are working to improve statistics with technical support from the IMF.

³ Uzbekistan's Composite Indicator score is 3.21 based on October 2109 WEO and CPIA 2018 and its debt carrying capacity is strong as in the 2019 DSA.

⁴ Including World Bank budget support. The World Bank is supporting the Government's response to the COVID crisis through emergency project (\$95 million) and budget financing (up to \$700 million) to increase health and social spending, and through the reprioritization within existing approved projects to support the economic recovery once the virus has been contained.

⁵ This was driven by a large investment specific project and faster reforms that accelerated IFIs disbursements.

Based on the Joint Bank-Fund Low-Income Country Debt Sustainability Analysis (LIC-DSA), Uzbekistan has a low-risk of external and overall debt distress, which is unchanged from the previous DSA of May 2019, with debt burden indicators below relevant thresholds in the baseline and under most stress scenarios. The debt sustainability analysis suggests that the most significant risks could result from worse-than-expected external flows (mostly lower remittances) and significantly lower exports. The risks have increased relative to the 2019 DSA as result of the COVID-19 pandemic and the increase in government guarantees for state-owned enterprises (SOEs) in 2019. The COVID-19 outbreak exacerbates the risk of weaker exports and remittances, higher primary deficits, and also the risk of the government having to pay for SOEs' nonguaranteed debt service in case of a prolonged slowdown.

Over the medium term, the public debt-to-GDP ratio is expected to increase moderately, while the total external debt-to-GDP ratio is expected to decline moderately. In addition, foreign exchange reserve buffers and low rollover risk—due to the long-term maturity of debt—mitigate potential distress concerns. In the aftermath of the COVID-19 outbreak, the government should carefully manage external borrowing to maintain Uzbekistan's strong external position.

			(in p	ercen	lor	JDP,	unies	s otne	rwise	indicate	ea)	
	Actual				Proje	ections				Ave	rage 8/	_
	2019	2020	2021	2022	2023	2024	2025	2030	2040	Historical	Projections	_
External debt (nominal) 1/	43.5	46.3	47.6	47.2	46.9	45.9	44.8	40.7	37.9	21.8	44.4	Definition of external/domestic debt Residency-based
of which: public and publicly guaranteed (PPG)	29.0	34.1	34.9	35.0	34.9	34.1	33.5	29.4	26.7	11.9	32.8	Is there a material difference between the
Change in external debt	9.2	2.8	1.3	-0.4	-0.4	-0.9	-1.1	-0.4	-0.2			two criteria?
Identified net debt-creating flows	-2.8	7.8	1.8	0.9	0.6	-0.2	-0.6	-0.3	-0.1	-3.1	0.7	
Non-interest current account deficit	4.4	8.0	6.3	4.7	3.9	3.1	2.6	2.8	2.9	-1.4	3.8	
Deficit in balance of goods and services	16.5	14.9	16.0	14.3	13.5	12.3	11.4	11.4	11.4	5.5	12.7	
Exports	29.3	25.0	27.0	27.9	28.2	29.0	29.5	29.5	29.5			Debt Accumulation
Imports	45.9	39.9	43.0	42.1	41.7	41.2	41.0	41.0	41.0			7.0 25
Net current transfers (negative = inflow)	-9.4	-5.6	-7.4	-7.2	-7.1	-6.8	-6.5	-6.5	-6.5	-4.1	-6.6	7.0 25
of which: official	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			6.0
Other current account flows (negative = net inflow)	-2.7	-1.2	-2.3	-2.3	-2.4	-2.4	-2.3	-2.2	-2.1	-2.9	-2.2	- 20
Net FDI (negative = inflow)	-3.9	-1.2	-3.2	-3.0	-2.7	-2.6	-2.6	-2.6	-2.6	-2.0	-2.6	5.0
Endogenous debt dynamics 2/	-3.2	1.0	-1.3	-0.9	-0.7	-0.7	-0.7	-0.4	-0.4			
Contribution from nominal interest rate	1.2	1.6	1.6	1.7	1.7	1.7	1.6	1.5	1.4			4.0 - 15
Contribution from real GDP growth	-1.7	-0.6	-2.9	-2.5	-2.3	-2.3	-2.3	-1.9	-1.8			
Contribution from price and exchange rate changes	-2.8											3.0 -
Residual 3/ 9/	12.0	-5.0	-0.4	-1.3	-0.9	-0.8	-0.5	-0.1	-0.1	6.2	-1.0	- 10
of which: exceptional financing Sustainability indicators	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			2.0 - 5
PV of PPG external debt-to-GDP ratio	24.7	29.5	30.9	30.9	30.8	29.9	29.5	25.5	23.0			
PV of PPG external debt-to-exports ratio	84.1	117.8	114.4	110.7	109.3	103.3	100.0	86.4	78.0			
PPG debt service-to-exports ratio	4.5	6.8	8.0	7.9	7.8	9.7	7.4	9.0	8.3			2020 2022 2024 2026 2028 2030
PPG debt service-to-revenue ratio	4.6	6.9	8.6	8.7	8.7	11.0	8.4	10.3	9.5			2020 2022 2024 2020 2020 2050
Gross external financing need (Million of U.S. dollars)	3,642	8,551	6,009	5,839	5,991	6,447	5,958	9,926	19,289			Rate of Debt Accumulation
Key macroeconomic assumptions												 Grant-equivalent financing (% of GDP)
	5.6	1.5	7.0	6.0		5.5	5.5	5.1	5.0	6.6	5.2	—— Grant element of new borrowing (% right scale)
Real GDP growth (in percent) GDP deflator in US dollar terms (change in percent)	5.6	1.5 3.5	3.3	6.0 6.3	5.5 5.3	5.0	5.5 4.6	2.4	5.0	-1.6	5.2 4.0	
Effective interest rate (percent) 4/	4.2	3.5	3.8	3.9	3.9	3.9	4.6	2.4 4.0	3.9	-1.6	4.0 3.9	Enternal data (a surface) 47
Growth of exports of G&S (US dollar terms, in percent)	4.2	-10.4	3.8 19.3	3.9	3.9 12.3	3.9 14.0	3.9 12.4	4.0	3.9	4.2	3.9	External debt (nominal) 1/
Growth of exports of G&S (US dollar terms, in percent) Growth of imports of G&S (US dollar terms, in percent)	20.2	- 10.4 -8.6	19.3	16.3	9.8	14.0 9.6	9.6	7.6	7.0	4.2 9.7	9.8 8.5	60
Growth of imports of G&S (US dollar terms, in percent) Grant element of new public sector borrowing (in percent)		-8.6	19.2	10.4	9.8 19.0	9.6	9.6 17.3	7.6	7.0 16.4		8.5 17.2	60 of which: Private
Government revenues (excluding grants, in percent of GDP)	28.2	20.2	25.2	25.2	25.4	25.5	25.7	25.7	25.7	 28.1	25.5	of which: public and publicly guaranteed (PPG)
Aid flows (in Million of US dollars) 5/	0.0	610.0	350.0	357.0	357.0	455.0	455.0	0.0	0.0	20.1	23.5	50 Si which public and publicity guaranteed (PPG)
Grant-equivalent financing (in percent of GDP) 6/		1.7	0.9	1.0	0.9	0.7	0.7	0.5	0.5		0.8	
Grant-equivalent financing (in percent of external financing) 6/		20.2	15.0	19.0	19.0	17.3	17.3	15.7	16.4		17.2	40
Nominal GDP (Million of US dollars)	57,921	60,861	67,290	75,792	84,211	93,274	102,960	156,152	308,015			
Nominal dollar GDP growth	15.0	5.1	10.6	12.6	11.1	10.8	10.4	7.6	7.0	5.0	9.5	30
Memorandum items:												20
PV of external debt 7/	39.1	41.6	43.6	43.1	42.8	41.7	40.8	36.8	34.3			
In percent of exports	133.4	166.5	161.6	154.6	151.8	144.0	138.2	124.6	116.2			10
Total external debt service-to-exports ratio	20.0	29.0	21.6	21.4	20.8	22.1	19.4	21.0	20.3			
PV of PPG external debt (in Million of US dollars)	14.296	17.938	20.776	23.387	25.944	27.928	30,396	39.814	70.904			
(PVt-PVt-1)/GDPt-1 (in percent)	14,200	6.3	4.7	23,307	3.4	27,520	2.6	1.4	1.3			
Non-interest current account deficit that stabilizes debt ratio	-4.8	5.2	5.0	5.1	4.3	4.0	3.8	3.1	3.1			2020 2022 2024 2026 2028 2030

1/ Includes both public and private sector external debt.

2/ Derived as [r - g - ρ(1+g) + εα (1+r)]/(1+g+ρ+gp) times previous period debt ratio, with r = nominal interest rate; g = real GDP growth rate, ρ = growth rate of GDP deflator in U.S. dollar terms,

 \mathcal{E} =nominal appreciation of the local currency, and α = share of local currency-denominated external debt in total external debt.

3/ Includes exceptional financing (i.e., changes in arrears and debt relief); changes in gross foreign assets; and valuation adjustments. For projections also includes contribution from price and exchange rate changes.

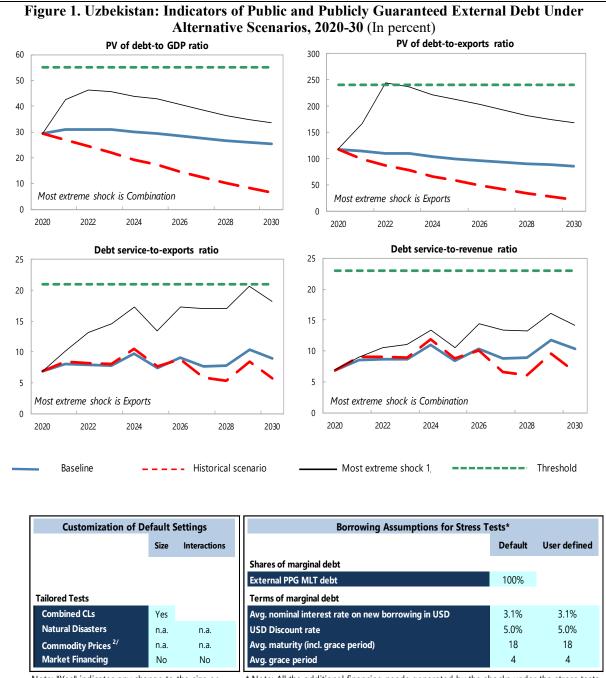
4/ Current-year interest payments divided by previous period debt stock.

5/ Defined as grants, concessional loans, and debt relief.

6/ Grant-equivalent financing includes grants provided directly to the government and through new borrowing (difference between the face value and the PV of new debt).

7/ Assumes that PV of private sector debt is equivalent to its face value.

A southes that PV of private sector debt is equivalent to its lack value.
 A Historical averages are generally derived over the parts, subject to data availability, whereas projections averages are over the first year of projection and the next 10 years.
 Residual in 2019 is a result of large errors and ommisions, reserve accumulation, and other outflows (mostly households' FX accumulation), while the residual in 2020 is attributed to the use of reserves finance external financing needs.



Note: "Yes" indicates any change to the size or interactions of the default settings for the stress tests. "n.a." indicates that the stress test does not apply.

* Note: All the additional financing needs generated by the shocks under the stress tests are assumed to be covered by PPG external MLT debt in the external DSA. Default terms of marginal debt are based on baseline 10-year projections.

Sources: Country authorities; and staff estimates and projections.

The most extreme stress test is the test that yields the highest ratio in or before 2030. Stress tests with one-off breaches are also presented (if any), while these one-off breaches are deemed away for mechanical signals. When a stress test with a one-off breach happens to be the most exterme shock even after disregarding the one-off breach, only that stress test (with a one-off breach) would be presented.
 The magnitude of shocks used for the commodity price shock stress test are based on the commodity prices outlook prepared by the IMF research department.

-	Actual		Projections								erage 6/		
	2019	2020	2021	2022	2023	2024	2025	2030	2040	Historical	Projections		
Public sector debt 1/ of which: external debt	29.3 29.0	34.5 34.1	35.3 34.9	35.4 35.0	35.3 34.9	34.6 34.1	33.9 33.5	34.5 29.4	38.6 26.7	12.0 11.9	34.4 32.8	Definition of external/domestic debt	Residency based
Thange in public sector debt	8.8	5.3	0.7	0.2	-0.1	-0.7	-0.7	0.5	0.4			Is there a material difference	
dentified debt-creating flows	8.9	5.3	0.9	0.2	-0.1	-0.7	-0.7	0.5	0.4	1.5	0.5	between the two criteria?	No
Primary deficit	3.7	5.5	3.3	2.5	2.2	1.9	1.8	1.8	1.8	-1.2	2.4	between the two cittena:	
Revenue and grants	28.2	24.9	25.2	25.2	25.4	25.5	25.7	25.7	25.7	28.2	25.5		
of which: grants	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			Public sector debt 1/	
Primary (noninterest) expenditure	32.0	30.4	28.5	27.8	27.6	27.4	27.5	27.5	27.5	27.0	27.9		
Automatic debt dynamics	-1.3	-1.6	-3.1	-3.0	-2.7	-2.3	-2.3	-1.1	-1.3			of which: local-currency denomination	ated
Contribution from interest rate/growth differential	-0.8	0.2	-1.8	-1.6	-1.4	-1.4	-1.4	-1.2	-1.4			of which: foreign-currency denomination	ninatad
of which: contribution from average real interest rate	0.3	0.7	0.5	0.4	0.4	0.4	0.4	0.4	0.4			of which, for eigh-currency denom	ninateu
of which: contribution from real GDP growth	-1.1	-0.4	-2.3	-2.0	-1.8	-1.8	-1.8	-1.6	-1.8			37	
Contribution from real exchange rate depreciation	-0.5											35	
Other identified debt-creating flows	6.5	1.4	0.7	0.7	0.4	-0.3	-0.1	-0.1	-0.1	2.7	0.2		I
Privatization receipts (negative)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			33	
Recognition of contingent liabilities (e.g., bank recapitalization)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			31	
Debt relief (HIPC and other)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
Other debt creating or reducing flow (SOEs' Guarantees) Residual	6.5 0.0	1.4 0.0	0.7 -0.2	0.7 0.0	0.4 0.0	-0.3 0.0	-0.1 0.0	-0.1 0.0	0.0 0.0	0.6	0.0	29 27	
Sustainability indicators												25	
PV of public debt-to-GDP ratio 2/	26.8	31.0	31.6	31.6	31.3	30.6	30.0	31.0	35.4			2020 2022 2024 2026 20	28 20
PV of public debt-to-revenue and grants ratio	95.0	124.6	125.2	125.0	123.3	119.8	116.6	120.5	137.5				
Debt service-to-revenue and grants ratio 3/	5.2	7.9	9.8	9.8	10.0	12.3	9.9	20.4	37.9				
Gross financing need 4/	11.6	8.8	6.4	5.7	5.1	4.7	4.2	6.9	11.5			of which: held by residents	
Rey macroeconomic and fiscal assumptions												of which: held by non-reside	ents
Real GDP growth (in percent)	5.6	1.5	7.0	6.0	5.5	5.5	5.5	5.1	5.0	6.6	5.2	37	
werage nominal interest rate on external debt (in percent)	3.1	3.1	3.2	3.3	3.3	3.3	3.2	3.2	3.1	2.0	3.2	35	_
werage real interest rate on domestic debt (in percent)	-2.7	0.2	6.0	3.3	2.3	1.9	1.3	1.3	1.3	-2.7	1.9	33	
leal exchange rate depreciation (in percent, + indicates depreciation)	-2.6									8.8			
nflation rate (GDP deflator, in percent)	19.2	15.8	8.5	8.5	6.5	5.9	5.5	5.5	5.5	16.7	7.1	31	
srowth of real primary spending (deflated by GDP deflator, in percent)	13.2	-3.6	0.5	3.2	4.7	4.8	6.0	5.1	5.0	9.3	3.8	29	
Primary deficit that stabilizes the debt-to-GDP ratio 5/	-5.1	0.2	2.6	2.3	2.3	2.6	2.4	1.3	1.4	-4.4	1.9	27	
PV of contingent liabilities (not included in public sector debt)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				

Table 2. Uzbekistan: Public Sector Debt Sustainability Framework, Baseline Scenario, 2020-40

Sources: Country authorities; and staff estimates and projections.

1/ Coverage of debt. The general government, and government-guaranteed debt. Definition of external debt is Residency-based.

2/ The underlying PV of external debt-to-GDP ratio under the public DSA differs from the external DSA with the size of differences depending on exchange rates projections.

3/ Debt service is defined as the sum of interest and amortization of medium and long-term, and short-term debt.

4/ Gross financing need is defined as the primary deficit plus debt service plus the stock of short-term debt at the end of the last period and other debt creating/reducing flows.

5/ Defined as a primary deficit minus a change in the public debt-to-GDP ratio ((-): a primary surplus), which would stabilizes the debt ratio only in the year in question.

6/ Historical averages are generally derived over the past 10 years, subject to data availability, whereas projections averages are over the first year of projection and the next 10 years.

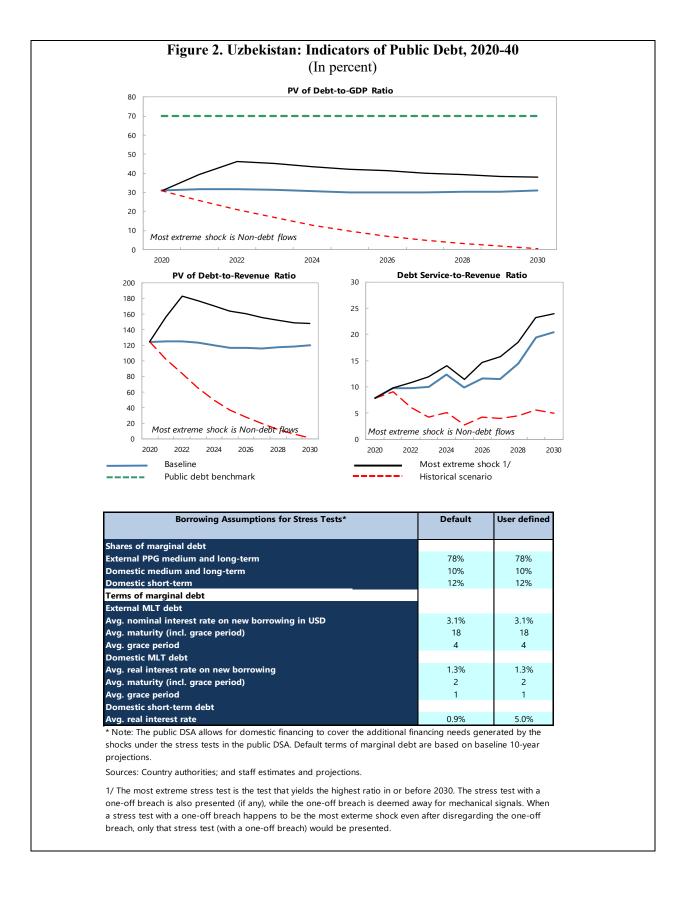


Table 3. Uzbekistan: Sensitivity Analysis for Key Indicators of PPG External Debt, 2020-40 (In percent)

					Proje	ections [•]	1/				
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	203
	PV of debt-to	GDP rat	io								
Baseline	29	31	31	31	30	30	28	27	27	26	2
A. Alternative Scenarios		5.	5.	5.	50	50	20	27	27	20	-
A1. Key variables at their historical averages in 2020-2030 2/	29	27	24	22	19	17	15	12	10	8	
B. Bound Tests											
B1. Real GDP growth B2. Primary balance	29 29	32 33	32 38	32 38	31 37	30 36	29 35	28 33	28 32	27 31	
B3. Exports	29	36	45	44	42	41	39	37	35	34	
84. Other flows 3/	29	39	45	44	43	42	40	37	36	34	
35. Depreciation	29	39	34	34	33	33	32	31	31	30	
B6. Combination of B1-B5	29	42	46	46	44	43	41	38	36	35	
C. Tailored Tests	20	20	20	20	20		26	25			
C1. Combined contingent liabilities C2. Natural disaster	29 n.a.	39 n.a.	39 n.a.	39 n.a.	38 n.a.	37 n.a.	36 n.a.	35 n.a.	34 n.a.	33 n.a.	n
C3. Commodity price	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n
C4. Market Financing	29	34	34	34	33	33	32	31	30	29	
Threshold	55	55	55	55	55	55	55	55	55	55	
	PV of debt-to-ex	-									
Baseline	118	114	111	109	103	100	96	93	90	88	
A. Alternative Scenarios	118	99	88	78	66	59	50	42	34	28	
A1. Key variables at their historical averages in 2020-2030 2/	118	99	88	78	66	59	50	42	34	28	
B. Bound Tests											
31. Real GDP growth	118	114	111	109	103	100	96	93	90	88	
32. Primary balance	118	123	135	134	127	122	117	113	109	106	1
B3. Exports	118	167	245	237	222	213	203	192	183	175	1
B4. Other flows 3/	118	143	163	158	148	141	134	127	120	115	1
35. Depreciation 36. Combination of B1-B5	118 118	114 181	97 159	97 218	92 204	89 195	86 185	84 175	82 166	81 159	1
C. Tailored Tests											
21. Combined contingent liabilities	118	144	140	140	132	127	122	117	114	111	1
22. Natural disaster	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	r
C3. Commodity price	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n
C4. Market Financing	118	114	111	110	104	100	96	93	90	88	
Threshold	240	240	240	240	240	240	240	240	240	240	2
	Debt service-to-e	xports	ratio								
Baseline	7	8	8	8	10	7	9	8	8	10	
A. Alternative Scenarios	,	0	0	0	10	,	5	0	0	10	
A1. Key variables at their historical averages in 2020-2030 2/	7	8	8	8	10	8	9	6	5	8	
B. Bound Tests											
B1. Real GDP growth	7	8	8	8	10	7	9	8	8	10	
82. Primary balance 83. Exports	7	8 10	9 13	9 15	11 17	9 13	11 17	9 17	10 17	12 21	
34. Other flows 3/	7	8	9	10	11	9	12	11	11	14	
35. Depreciation	7	8	8	7	9	7	9	7	7	9	
36. Combination of B1-B5	7	10	13	13	16	12	17	16	16	19	
C. Tailored Tests											
C1. Combined contingent liabilities	7	8	9	9	11	8	10	8	9	11	
C2. Natural disaster C3. Commodity price	n.a. n.a.	n.a. n.a.	n.a. n.a.	n.a. n.a.	n.a. n.a.	n.a. n.a.	n.a. n.a.	n.a. n.a.	n.a. n.a.	n.a. n.a.	r r
24. Market Financing	7	8	n.a. 8	8	12	11.a. 8	11.a. 9	8	8	10	
Threshold	21	21	21	21	21	21	21	21	21	21	
in esticita	21	21	21	21	21	21	21	21	21	21	
	Debt service-to-re	evenue	ratio								
Baseline	7	9	9	9	11	8	10	9	9	12	
A. Alternative Scenarios											
 Key variables at their historical averages in 2020-2030 2/ 	7	9	9	9	12	9	10	7	6	10	
3. Bound Tests 31. Real GDP growth	7	9	9	9	11	9	11	9	9	12	
31. Real GDP growth 32. Primary balance	7	9	9	10	11	10	11	11	11	12	
33. Exports	7	9	10	11	13	10	13	13	13	15	
34. Other flows 3/	7	9	10	11	13	10	13	13	13	16	
35. Depreciation	7	11	11	10	13	10	13	10	10	14	
36. Combination of B1-B5	7	9	11	11	13	11	14	13	13	16	
C. Tailored Tests T1. Combined contingent liabilities	7	9	10	10	12	9	11	10	10	13	
21. Combined contingent liabilities 22. Natural disaster	7 n.a.	n.a.	10 n.a.	10 n.a.	12 n.a.	9 n.a.	11 n.a.	10 n.a.	10 n.a.	13 n.a.	r
C3. Commodity price	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	r
	7	9	9	9	14	9	11	9	9	12	
24. Market Financing											

Sources: Country authorities; and staff estimates and projections. 1/ A bold value indicates a breach of the threshold. 2/ Variables include real GDP growth, GDP deflator (in U.S. dollar terms), non-interest current account in percent of GDP, and non-debt creating flows. 3/ Includes official and private transfers and FDI.

Table 4. Uzbekistan: Sensitivity Analysis for Key Indicators of Public Debt, 2020-40(In percent)

31 31 31 31 31 31 31 31 31 ,n.a. ,n.a. 31 70 PV o 125	32 26 33 35 36 39 38 32 42 n.a. n.a. 32 70	2022 to-GDP Ra 32 21 34 40 45 46 35 34 41 n.a. n.a. 32 70 -Revenue 125	31 17 34 39 43 45 33 33 33 40 n.a. n.a. 31 70	2024 31 13 34 38 42 44 30 32 39 n.a. n.a. 31 70	2025 30 10 34 37 41 42 28 31 38 n.a. n.a. 30 70	2026 30 7 34 36 40 41 26 31 38 n.a. n.a. 30 70	2027 30 5 35 36 39 40 24 30 24 30 37 n.a. 30 70	2028 30 3 36 36 38 39 23 30 37 n.a. n.a. 30 70	2029 30 2 36 36 36 38 38 38 22 30 37 n.a. n.a. 30 70	2034 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
31 31 31 31 31 31 31 31 31 ,n.a. ,n.a. 31 70 PV o 125	32 26 33 35 36 39 38 32 42 n.a. 32 70 70	32 21 34 40 45 46 35 34 41 n.a. 32 70 -Revenue	31 17 34 39 43 45 33 33 40 n.a. 31 70 Ratio	13 34 38 42 44 30 32 39 n.a. n.a. 31	10 34 37 41 42 28 31 38 n.a. n.a. 30	7 34 36 40 41 26 31 38 n.a. n.a. 30	5 36 39 40 24 30 37 n.a. n.a. 30	3 36 38 39 23 30 37 n.a. n.a. 30	2 36 38 38 22 30 37 n.a. n.a. 30	34 34 3 3 2 3 3 3 1 2 3 1 3 1 3
31 31 31 31 31 31 31 31 ,n.a. n.a. 31 70 PV o 125	26 33 35 38 32 42 n.a. n.a. 32 70 of Debt-to	21 34 40 45 35 34 41 n.a. n.a. 32 70 -Revenue	17 34 39 43 33 33 40 n.a. n.a. 31 70 Ratio	13 34 38 42 44 30 32 39 n.a. n.a. 31	10 34 37 41 42 28 31 38 n.a. n.a. 30	7 34 36 40 41 26 31 38 n.a. n.a. 30	5 36 39 40 24 30 37 n.a. n.a. 30	3 36 38 39 23 30 37 n.a. n.a. 30	2 36 38 38 22 30 37 n.a. n.a. 30	34 34 3 3 2 3 3 3 1 2 3 1 3 1 3
31 31 31 31 31 31 31 a. 1a. 31 70 PV o 125	33 35 36 39 38 32 42 n.a. n.a. 32 70 of Debt-to	34 40 45 35 34 41 n.a. n.a. 32 70	34 39 43 33 33 40 n.a. n.a. 31 70 Ratio	34 38 42 44 30 32 39 n.a. n.a. 31	34 37 41 42 28 31 38 n.a. n.a. 30	34 36 40 41 26 31 38 n.a. n.a. 30	35 36 39 40 24 30 37 n.a. n.a. 30	36 38 39 23 30 37 n.a. n.a. 30	36 38 38 22 30 37 n.a. n.a. 30	34 31 22 31 10 10 10 10 10 10 10 10 10 10 10 10 10
31 31 31 31 31 31 31 a. 1a. 31 70 PV o 125	33 35 36 39 38 32 42 n.a. n.a. 32 70 of Debt-to	34 40 45 35 34 41 n.a. n.a. 32 70	34 39 43 33 33 40 n.a. n.a. 31 70 Ratio	34 38 42 44 30 32 39 n.a. n.a. 31	34 37 41 42 28 31 38 n.a. n.a. 30	34 36 40 41 26 31 38 n.a. n.a. 30	35 36 39 40 24 30 37 n.a. n.a. 30	36 38 39 23 30 37 n.a. n.a. 30	36 38 38 22 30 37 n.a. n.a. 30	34 31 22 31 10 10 10 10 10 10 10 10 10 10 10 10 10
31 31 31 31 31 31 n.a. n.a. 31 70 PV o 125	35 36 39 38 32 42 n.a. n.a. 32 70 of Debt-to	40 45 35 34 41 n.a. n.a. 32 70	39 43 45 33 33 40 n.a. n.a. 31 70 Ratio	38 42 44 30 32 39 n.a. n.a. 31	37 41 42 28 31 38 n.a. n.a. 30	36 40 41 26 31 38 n.a. n.a. 30	36 39 40 24 30 37 n.a. n.a. 30	36 38 39 23 30 37 n.a. n.a. 30	36 38 22 30 37 n.a. 30	3(3) 2 3(3) n.a n.a 3)
31 31 31 31 31 31 n.a. n.a. 31 70 PV o 125	35 36 39 38 32 42 n.a. n.a. 32 70 of Debt-to	40 45 35 34 41 n.a. n.a. 32 70	39 43 45 33 33 40 n.a. n.a. 31 70 Ratio	38 42 44 30 32 39 n.a. n.a. 31	37 41 42 28 31 38 n.a. n.a. 30	36 40 41 26 31 38 n.a. n.a. 30	36 39 40 24 30 37 n.a. n.a. 30	36 38 39 23 30 37 n.a. n.a. 30	36 38 22 30 37 n.a. 30	3, 3, 2 3, 3, 1, 2 3, 3, 1, 2 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3,
31 31 31 31 31 n.a. n.a. 31 70 PV o 125	36 39 38 32 42 n.a. n.a. 32 70 f Debt-to	45 46 35 34 41 n.a. n.a. 32 70	43 45 33 33 40 n.a. n.a. 31 70 Ratio	42 44 30 32 39 n.a. n.a. 31	41 42 28 31 38 n.a. n.a. 30	40 41 26 31 38 n.a. n.a. 30	39 40 24 30 37 n.a. n.a. 30	38 39 23 30 37 n.a. n.a. 30	38 38 22 30 37 n.a. n.a. 30	3 2 3 n.a 1 3 n.a 3
31 31 31 n.a. n.a. 31 70 PV o 125	39 38 32 42 n.a. n.a. 32 70 f Debt-to	46 35 34 41 n.a. n.a. 32 70 -Revenue	45 33 33 40 n.a. n.a. 31 70 Ratio	44 30 32 n.a. n.a. 31	42 28 31 n.a. n.a. 30	41 26 31 38 n.a. n.a. 30	40 24 30 37 n.a. n.a. 30	39 23 30 37 n.a. n.a. 30	38 22 30 37 n.a. n.a. 30	3 2 3 n.i n.i 3 3
31 31 n.a. n.a. 31 70 PV o 125	38 32 42 n.a. n.a. 32 70 f Debt-to	35 34 41 n.a. 32 70 -Revenue	33 33 40 n.a. n.a. 31 70 Ratio	30 32 n.a. n.a. 31	28 31 n.a. n.a. 30	26 31 38 n.a. n.a. 30	24 30 37 n.a. n.a. 30	23 30 37 n.a. n.a. 30	22 30 37 n.a. n.a. 30	2 3 n. n. 3
31 31 n.a. n.a. 31 70 PV o 125	32 42 n.a. n.a. 32 70 of Debt-to	34 41 n.a. n.a. 32 70 -Revenue	33 40 n.a. n.a. 31 70 Ratio	32 39 n.a. n.a. 31	31 38 n.a. n.a. 30	31 38 n.a. n.a. 30	30 37 n.a. n.a. 30	30 37 n.a. n.a. 30	30 37 n.a. n.a. 30	3 n. n. 3
31 n.a. n.a. 31 70 PV o 125	42 n.a. n.a. 32 70	41 n.a. n.a. 32 70 -Revenue	40 n.a. 31 70 Ratio	39 n.a. n.a. 31	38 n.a. n.a. 30	38 n.a. n.a. 30	37 n.a. n.a. 30	37 n.a. n.a. 30	37 n.a. n.a. 30	3 n. n. 3
n.a. n.a. 31 70 PV o 125	n.a. n.a. 32 70 of Debt-to	n.a. n.a. 32 70 -Revenue	n.a. n.a. 31 70 Ratio	n.a. n.a. 31	n.a. n.a. 30	n.a. n.a. 30	n.a. n.a. 30	n.a. n.a. 30	n.a. n.a. 30	n. n.
n.a. n.a. 31 70 PV o 125	n.a. n.a. 32 70 of Debt-to	n.a. n.a. 32 70 -Revenue	n.a. n.a. 31 70 Ratio	n.a. n.a. 31	n.a. n.a. 30	n.a. n.a. 30	n.a. n.a. 30	n.a. n.a. 30	n.a. n.a. 30	n. n.
n.a. 31 70 PV o 125	n.a. 32 70 of Debt-to	n.a. 32 70 -Revenue	n.a. 31 70 Ratio	n.a. 31	n.a. 30	n.a. 30	n.a. 30	n.a. 30	n.a. 30	n.
31 70 PV o 125	32 70 of Debt-to	32 70 -Revenue	31 70 Ratio	31	30	30	30	30	30	3
70 PV o 125	70 of Debt-to	70 - Revenue	70 Ratio							
PV o	of Debt-to	-Revenue	Ratio	70	70	70	70	70	70	7
125										
	125	125	123							
125			125	120	117	117	116	118	118	120
125										
.25	102	84	66	50	37	28	19	13	7	
125	130	133	134	133	132	134	135	139	141	14
125	138	157	153	147	142	141	140	140	140	14
										14
										14
										8
125	128	135	131	126	121	120	117	117	116	11
										14
										n.
										n.
125	125	125	124	120	117	117	116	117	118	12
Debt	Service-to	o-Revenue	Ratio							
8	10	10	10	12	10	12	12	14	19	2
				-				-	<i>.</i>	
8	9	6	4	5	3	4	4	5	6	
8	10	10	11	14	11	13	13	17	22	2
	10			16						2
										2
										2
										2
U	10		12	14	12	15	15	15	20	2
0	10	17	16	10	10	10	10	16	21	2
										n.a
										n.a 20
	125 125 125 125 125 125 125 125 n.a. n.a. 125 Debt 8	125 130 125 138 125 144 125 156 125 150 125 100 125 100 100 100 100 100 100 100 100 100 100	125 130 133 125 134 157 125 144 176 125 156 133 125 150 139 125 167 163 na. na. na. na. na. na. 125 125 125 125 167 163 na. na. na. 125 125 125 125 125 125 126 10 10 8 10 10 8 10 11 8 10 11 8 10 11 8 10 11 8 10 11 8 10 11 8 10 11 8 10 11 8 10 11 8 10 11 9 10 11 10 11 12 8 10 11 9 10 11 10 11 12 10 11 12 10 11 10<	125 130 133 134 125 138 157 153 125 144 176 171 125 156 183 177 125 156 183 177 125 150 139 129 125 128 135 151 125 128 163 159 n.a. n.a. n.a. n.a. n.a. n.a. n.a. n.a. 125 125 125 124 125 125 125 124 125 125 125 124 125 125 125 124 125 125 125 124 125 125 125 124 126 10 10 11 8 10 10 12 8 10 11 12 13 10 11 12	125 130 133 134 133 125 138 157 153 147 125 144 176 171 165 125 156 183 177 171 125 150 139 129 118 125 167 163 159 153 125 167 163 159 153 na. na. na. na. na. na. na. na. na. na. 125 125 125 124 120 125 125 125 124 120 125 125 125 124 120 125 125 125 124 120 125 125 125 124 120 125 125 126 14 12 126 10 10 11 14 138 10 12 15 16 14 12 11 14 14 <td>125130133134133132125138157153147142125144176171165159125156183177171164125150139129118108125167163159153148na.na.na.na.na.na.na.na.na.na.na.na.125126125124120117Debt Sevice-to-Revenue Ration810101012108101215516612810121516128101112141181112111481112111481011121481011121481011121481011121481011121481011121481011121481011121481011121481011121491011121410111214111112141212</td> <td>125130133134133132134125138157153147142141125144176171165159156125156133177171164161125150139129118108101125167163159153148146na.na.na.na.na.na.na.na.na.na.na.na.na.na.125125125124120117117Debt Sevice-to-Revenue Revenue Reven</td> <td>12513013313413313213413512513815715314714214114012514417617116515915615112515618317717116416115512515013912911810810195125167163159153148146145n.a.n.a.n.a.n.a.n.a.n.a.n.a.n.a.n.a.n.a.n.a.n.a.n.a.n.a.n.a.n.a.125126125126120117117116125126125124120117117116125125125124120117117116125125125126120117117116125126125126120117117116125125125126120117117116126127126120117117116121310101114111313141012141114151615161214141516161112141141516171615121313<t< td=""><td>125130133134133132134135139125138157153147142141140140125144176171165159156151149125156183177171164161195911251501391291181081019591125167163159153148146145145na.125126125124120117116116157125125125124120117117116117125167163159153148146145145na.na.na.na.na.na.na.na.na.125125125124120117117116117126125125124120117116117131317141113131781010111411131317810101214111415168101112141115<td>125130133134133132134135139141125138157153147142141140140140125144176171165159156151149146125156183177171164161155153149125150139129118108101959186125167163159153148146145145145na.12512712512412011711711611711812512512512412011711711611711812512512512412011711711611711812512512612613131317228101011141113131722810121411114151823810111214111415182381011121411151618238101112</td></td></t<></td>	125130133134133132125138157153147142125144176171165159125156183177171164125150139129118108125167163159153148na.na.na.na.na.na.na.na.na.na.na.na.125126125124120117Debt Sevice-to-Revenue Ration810101012108101215516612810121516128101112141181112111481112111481011121481011121481011121481011121481011121481011121481011121481011121481011121481011121491011121410111214111112141212	125130133134133132134125138157153147142141125144176171165159156125156133177171164161125150139129118108101125167163159153148146na.na.na.na.na.na.na.na.na.na.na.na.na.na.125125125124120117117Debt Sevice-to-Revenue Revenue Reven	12513013313413313213413512513815715314714214114012514417617116515915615112515618317717116416115512515013912911810810195125167163159153148146145n.a.n.a.n.a.n.a.n.a.n.a.n.a.n.a.n.a.n.a.n.a.n.a.n.a.n.a.n.a.n.a.125126125126120117117116125126125124120117117116125125125124120117117116125125125126120117117116125126125126120117117116125125125126120117117116126127126120117117116121310101114111313141012141114151615161214141516161112141141516171615121313 <t< 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<td>125130133134133132134135139141125138157153147142141140140140125144176171165159156151149146125156183177171164161155153149125150139129118108101959186125167163159153148146145145145na.12512712512412011711711611711812512512512412011711711611711812512512512412011711711611711812512512612613131317228101011141113131722810121411114151823810111214111415182381011121411151618238101112</td>	125130133134133132134135139141125138157153147142141140140140125144176171165159156151149146125156183177171164161155153149125150139129118108101959186125167163159153148146145145145na.12512712512412011711711611711812512512512412011711711611711812512512512412011711711611711812512512612613131317228101011141113131722810121411114151823810111214111415182381011121411151618238101112

Sources: Country authorities; and staff estimates and projections.

1/ A bold value indicates a breach of the benchmark.

Yariables include real GDP growth, GDP deflator and primary deficit in percent of GDP.
 Includes official and private transfers and FDI.

