

GUINEA

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FIRST REVIEW OF THE ARRANGEMENT UNDER THE THREE-YEAR EXTENDED CREDIT FACILITY, FINANCING ASSURANCES REVIEW, AND REQUEST FOR MODIFICATION AND FOR WAIVERS OF NONOBSERVANCE OF PERFORMANCE CRITERIA—DEBT SUSTAINABILITY ANALYSIS UPDATE

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The results of the update of the Debt Sustainability Analysis (DSA) show that Guinea continues to be at a moderate risk of external debt distress. ^{1,2} All external debt burden indicators under the baseline scenario lie below their policy-dependent thresholds and debt dynamics have improved compared to the 2017 DSA, given higher-than-anticipated growth during 2016–17. Stress tests suggest that debt vulnerabilities owing to accumulation of external debt related to financing of infrastructure projects will increase if adverse shocks materialize, though remaining more contained than in the 2017 DSA. Under most extreme stress tests,³ all solvency and liquidity indicators except one breach their thresholds and for prolonged periods. The inclusion of domestic debt does not significantly change the conclusion of the external DSA. A prudent external borrowing strategy aimed at maximizing the concessionality of new debt, limiting non-concessional loans in line with programmed amounts, and strengthening debt management will be key to preserving medium-term debt sustainability.

¹ The DSA was prepared jointly by the IMF and the World Bank, in collaboration with the Guinean authorities. It updates the DSA analysis contained in the Request for a Three-Year Arrangement Under the Extended Credit Facility Arrangement (December 11, 2017, No. 17/387).

² The three-year average rating for Guinea in the Country Policy and Institutional Assessment (CPIA) is 3.09, which classifies Guinea as a weak policy performer in the LIC-DSA Framework.

³ A combination of shocks to growth, exports, the GDP deflators, and net non-debt creating flows.

BACKGROUND

1. Guinea's external public debt declined slightly in 2017, after having increased gradually since 2012. Since Guinea reached the completion point of the HIPC initiative in 2012, external borrowing has been used to finance infrastructure investment in the energy and transport sectors, notably the construction of the Kaleta hydroelectric dam (US\$335 million or 3 percent of 2017 GDP) and the rehabilitation of the electric transmission networks. Total public and publicly guaranteed (PPG) external debt stood at US\$2 billion (19.6 percent of GDP) in 2017, slightly declining in percent of GDP from 21 percent in 2016 (Table 1)⁴. Approximately 54 percent of this stock is due to official bilateral creditors, mostly to Non-Paris Club creditors, while 42 percent is owed to multilateral creditors. At end-2017, Guinea had outstanding external debt



¹ Starting in 2014, external and domestic PPG debt includes guarantees issued by the Guinean Central Bank (BCRG) to local and foreign banks to provide commercial loans to private sector operators to pre-finance the execution of public works. Notably, a guarantee issued to an external creditor in foreign currency, increased the stock of public and publicly-guaranteed external debt by US\$72 million in 2014.

arrears of US\$150.1 million (1.7 percent of GDP). These arrears pre-date the completion of the HIPC and are owed to non-Paris club official bilateral (60 percent) and commercial creditors (40 percent). The authorities continue to make best efforts to discuss debt relief and normalize these arrears with the creditors, with the aim of reaching an agreement on repayment at the earliest. Creditors have so far not requested payment of these arrears.⁵

⁴ In this DSA, the definition of PPG external debt excludes French claims under C2D debt-for-development swaps, which were cancelled in the context of the HIPC debt relief. The C2D mechanism implies a payment of the debt service to the creditor from Guinea, which is later returned to the government in the form of grants to finance development projects. See Country Report No. 15/39 for a detailed discussion.

⁵ Domestic arrears built up in the early 2000s as social and political unrest contributed to a deterioration of public financial management. In addition, arrears increased sharply in 2011 after the newly formed government froze many procurement contracts that had been committed outside of standard procedures under the military and transition government of 2009–10.

	<u>end-2016</u>		end-2017	
	USD (millions)	USD (millions)	Percent of Total	Percent of GDP
Total	1822.1	2026.9	100.0	19.6
Total incl. C2D	1934.4	2118.4	104.5	20.5
Multilateral creditors	778.7	869.5	42.9	8.4
IMF	241.3	277.2	13.7	2.7
World Bank	219.8	240.4	11.9	2.3
AfDB Group	98.9	122.1	6.0	1.2
IsDB	106.1	112.9	5.6	1.1
EU	0.0	0.0	0.0	0.0
Other Multilateral creditors	112.5	116.9	5.8	1.1
Official Bilateral Creditors	984.4	1095.8	54.1	10.6
Paris Club (excl. C2D)	27.7	43.2	2.1	0.4
Non-Paris Club	809.3	879.3	43.4	8.5
Arab Funds	147.4	173.3	8.6	1.7
Commercial Creditors	58.9	61.6	3.0	0.6
Memo				
Arrears	147.4	150.1	7.4	1.5

Table 1. Guinea: Structure of External Public and Publicly Guaranteed Debt

Sources : Guinean authorities; and IMF Staff calculations.

Notes: Arrears at end-2017 are due to Non-Paris Club official bilateral creditors (US\$88.5 million) and commercial creditors (US\$61.6 million). The Guinean authorities have started discussions with creditors in order to reach a resolution on the normalization of these arrears.

2. Domestic debt declined further in 2017, as settlement of central bank debt and

guarantees continued (Figure 2). PPG domestic debt declined to 17.8 percent of GDP at end-2017 from 19.4 percent of GDP in 2016. On the one hand, the government accumulated additional domestic arrears of 1 percent of GDP in 2017 (the overall stock of domestic arrears is estimated at 4.4 percent of GDP at end-2017), of which 0.5 percent of GDP were repaid in first quarter of 2018.6 On the other hand, further settlements reduced to 0.4 percent of GDP at end-2017 the debt related to the guarantees issued by the central bank during 2014-15.7 In addition, part of the outstanding government debt towards the BCRG accumulated in 2015 was repaid in an amount equivalent to 0.3 percent of GDP. In addition to debt related to the 2014–15 central bank guarantees and to 2015 central bank advances to the government, Guinea continued to hold US\$678 million (6.7 percent of 2017 GDP) in "dette conventionnée", which is debt related to consolidated central bank advances accumulated prior to 2013, scheduled to be repaid over 40 years starting in 2023.

⁶ Domestic arrears built up in the early 2000s as social and political unrest contributed to a deterioration of public financial management. In addition, arrears increased sharply in 2011 after the newly formed government froze many procurement contracts that had been committed outside of standard procedures under the military and transition government of 2009–10. In July 2016 the authorities completed an audit of the outstanding stock of central government arrears over 1982-2013, which led to the inclusion of an additional US\$0.2 billion (2.9 percent of GDP) in arrears, owed mainly to domestic suppliers and for VAT credit refunds, in domestic debt.

⁷ In 2014 and 2015, the central bank had issued US\$870 million (9.6 percent of 2017 GDP) worth of guarantees to commercial banks to provide loans to private companies to pre-finance the execution of public investment projects. Most of the guarantees were domestic apart from US\$72 million owed to a foreign bank. Owing to restructuring in 2015 and settlements, those guarantees were gradually reduced to reach 1.4 percent of GDP at end-2016.



3. The stock of overall public debt increased slightly in 2017 but declined as a share of GDP on the back of strong growth (Figure 3). Total public debt amounted to US\$3.8 billion (37.4 percent of GDP) at end-2017 compared with US\$3.6 billion (41.8 percent of GDP) in 2016. The external debt stock reached US\$2.0 billion, compared with US\$1.9 billion in 2016, due to new disbursements of previously signed loans with bilateral creditors. The domestic debt stock increased by US\$0.7 billion, mainly owing to an increase in treasury bond issuance and accumulation of arrears.



UNDERLYING ASSUMPTIONS

4. Key assumptions are consistent with the macroeconomic framework outlined in the Staff Report for the First Review under a Three-Year Extended Credit Facility ⁸ (Table 2); changes to the assumptions in relation to the 2017 LIC-DSA are as follows:

- **Real GDP growth** was revised upwards to 10.5 percent (from 6.6 percent) in 2016 and to 8.2 percent (from 6.7 percent) in 2017, which led to a significant upward revision of nominal GDP. The growth momentum is expected to continue with real GDP growth reaching 5.8 percent in 2018 and averaging about 6 percent over the medium term, driven by strong performance in mining, construction, and scaled-up investments in infrastructure (Table 2). Over the long run (2022–38), growth is projected to remain near 5 percent, reflecting the increased productive capacity of the economy and its further diversification. Risks to the growth outlook are balanced, with downside potential stemming from socio-political tensions and delays in projects and reform implementation and with upside potential arising from faster-than-expected mining production capacity coming on stream.
- **Inflation** is expected to remain moderate at around 8.2 percent in 2018 and decline slightly over the medium term, reflecting a prudent monetary policy stance.
- **Fiscal balance.** The basic fiscal surplus is projected to improve from 0.8 percent of GDP in 2018 to an average of 1 percent of GDP during 2019–23, reflecting revenue mobilization efforts and the containment of non-priority current expenditure, including the gradual phasing

⁸ Guinea—First Review Under a Three-Year Extended Credit Facility and Request for Waivers of Nonobservance of Performance Criteria.

out of electricity subsidies.⁹ Additional tax revenues of about 2.5 percent of GDP are expected to be mobilized over 2018–20 supported by a targeted tax policy and administration reform and stronger mining revenues. In parallel, capital expenditures are expected to rise with the scale up in public infrastructure investment under the authorities National Economic and Social Development Plan (PDNES) from 6.5 percent of GDP in 2018 to 7.8 percent in 2023. Grants are expected at 1 percent in 2018 and at about 0.6 percent of GDP over the period 2019–21, also reflecting the mobilization of donors' support following the 2017 Consultative Group for Guinea. The primary fiscal balance is expected to register a deficit of 1.1 percent of GDP in 2018 and an average deficit of 0.7 percent over 2019–23.

- **The current account** is expected to record a deficit at 21 percent of GDP in 2018 and to average 14 percent of GDP over 2019–23, reflecting high FDI-financed imports for mining and public infrastructure projects, including the Souapiti dam. These investments will boost exports over the longer term, resulting in a gradual narrowing of the current account deficit.
- **External financing mix and terms.** In addition to the borrowing to finance the construction of the Souapiti dam (US\$1.2 billion, 11 percent of 2017 GDP) to be signed in 2018, this DSA also incorporates the authorities' expected borrowing of an additional US\$650 million in nonconcessional loans to be disbursed over 2018–21, from China Eximbank (Table 3).¹⁰ These loans will finance priority infrastructure projects such as the rehabilitation of the RN1 national road and the Conakry urban road network, the construction of an electrical interconnection line, and the rehabilitation of a university. Out of this envelope, US\$434 million in non-concessional loans are expected to be signed in 2018 to finance rehabilitation of the RN1 national road and the Conakry urban road network. New external borrowing is expected to pick up significantly in the near term from 1.0 percent of GDP in 2017 to 9.0 percent of GDP in 2018, to average 4.9 percent of GDP over 2019–21, and settle around a long-run average of about 2 percent of GDP, reflecting the expected impact of the Souapiti loan and the programmed US\$650 million debt for priority infrastructure projects in the short to medium term. Due to the mostly nonconcessional nature of borrowing in the near term, the average grant element of new borrowing would decline from around 31 percent in 2018 to 29.1 in 2019, and further decline to an average grant element of 24 percent in the long run, reflecting that use of nonconcessional financing is expected to gradually increase over time.
- **Domestic borrowing.** Net government domestic financing is expected to be negative throughout 2018–27, as the government is expected to gradually repay past borrowings from the BCRG, domestic arrears accumulated during 2017, and the validated 1982–2013 arrears to the private sector in line with their strategy for clearance of these arrears approved in December 2017. This will be supported by revenue mobilization and containing current non-priority spending. Net domestic borrowing is expected to turn positive and increase gradually from 2028 onwards.

⁹ The basic fiscal balance is calculated as government revenue excluding grants minus expenditures, excluding interest payments on external debt and externally financed capital expenditure.

¹⁰ The grant element of these loans is expected to be approximately 25.9 percent.

				Previou	s DSA					Curren	t DSA	
	2016	2017	2018	2023	2028	2038	2016	2017	2018	2023	2028	2038
Nominal GDP (\$ Million)	8476.3	9182.7	9855.4	14160.2	19901.3	39324.0	8694.6	10250.5	11486.0	16729.0	23529.4	46449.8
Real GDP (percentage change)	6.6	6.7	5.8	5.0	5.0	5.0	10.5	8.2	5.8	5.0	5.0	5.0
Fiscal Accounts												
Revenues and grants	16.0	16.8	18.1	18.9	19.0		15.6	15.2	15.6	17.8	17.4	17.5
Public Sector Expenditure	16.4	17.4	20.8	21.5	20.7		16.0	17.5	18.0	19.4	18.8	18.7
of which: Capital expenditure and net lending	4.9	4.9	7.8	9.1	8.3		4.8	5.9	6.5	7.8	7.4	7.3
Primary Fiscal Balance	1.0	0.9	-1.2	-1.8	-1.1		0.9	-1.2	-1.1	-0.6	-0.3	-0.1
New external borrowing		3.4	9.9	3.5	2.9		0.0	0.0	9.0	2.7	2.3	1.8
Grant elements of new external borrowing		32.2	29.5	29.1	25.6		0.0	0.0	31.1	28.4	25.8	20.5
Balance of Payments												
Exports of goods and services	29.2	34.9	38.7	41.3	39.5		28.4	39.9	35.9	35.0	33.3	31.9
Imports of goods and services	60.7	58.7	56.4	46.6	41.4		59.1	47.4	52.2	45.6	48.8	45.4
Current account (including transfers)	-32.2	-24.7	-21.6	-11.3	-9.4		-31.4	-7.1	-21.2	-11.0	-6.5	-1.9
Foreign direct investment	18.8	16.2	12.7	9.1	4.9		18.3	12.7	13.5	8.7	5.2	1.6

Table 2. Guinea: LIC DSA Macroeconomic Assumptions (Percent of GDP, unless otherwise indicated)

Table 3. Guinea: Non-concessional Loans to Finance Priority Infrastructure Projects¹

Project	Amount
	(USD million)
Rehabilitation of RN1 (national road)	275
Rehabilitation of road system in Conakry	159
Construction of electricity transmission line (Lisan-Fomi-Kanka	n) 150
University Rehabilitation	63
Source: Guinean authorities.	
¹ Indicative values on a contracted basis, expected during 2017–20. T	his excludes

the US\$1.2 billion non-concessional Souapiti loan which is being finalized.

DEBT SUSTAINABILITY ANALYSIS

A. External Debt

5. Under the baseline scenario, all external debt ratios remain below their policy dependent thresholds, indicating that Guinea's debt dynamics are sustainable (Table 4 and Figure 4). The PV of debt to GDP is expected to remain below the policy-dependent threshold, peaking at 21.9 percent in 2020 (significantly below the peak of 26.2 percent of GDP in the 2017 DSA) and then decline. Furthermore, liquidity ratios (debt service-to-exports and debt service-to-revenues) are also expected to remain well-below policy dependent thresholds. Debt service to export and to revenue ratios have slightly declined compared with the 2017 DSA. The growth rate for accumulation of external debt will average 3.3 percent (year-on-year) over 2018–22, slightly lower than in the 2017 DSA (average 3.8 percent year-on-year growth rate over the same period).

6. Guinea remains at moderate risk of debt distress while vulnerabilities have eased. Under the historical scenario and most extreme stress tests, nearly all indicators breach their thresholds and for prolonged periods (Figure 4).¹¹ However, the magnitude of these breaches is smaller than in the 2017 DSA suggesting that stronger growth would help to partially mitigate risk of debt distress. Under the historical scenario, all indicators breach their thresholds for prolonged periods. Under the bound tests, all indicators except one breach their thresholds under the most extreme stress tests, and most indicators breach their thresholds under the most extreme stress tests, and most indicators breach their thresholds under several bound tests. However, these tests are based on historical growth and export averages, which reflect exceptionally adverse economic conditions for Guinea, including the Ebola crisis and commodity price shocks during 2014–15 and earlier periods of civil unrest. Under two more plausible country-specific scenarios: i) a weak policy implementation scenario; and ii) less prudent phasing of investment projects scenario with frontloaded disbursements of the anticipated US\$650 non-concessional loans, all indicators remain below their policy dependent thresholds but slightly closer than under the baseline scenarios (Figure 5).¹²

	Policy- dependent Threshold	Guinea (2018)	Guinea (Max 2018-38)
PV of debt to GDP ratio	30	17.8	21.9
PV of debt-to-exports ratio	100	49.6	65.4
PV of debt-to-revenue ratio	200	122.7	138.0
Debt service-to-exports ratio	15	2.3	6.0
Debt service-to-revenue ratio	18	5.6	10.4

B. Total Public Debt

7. Debt indicators remain below the benchmark under the baseline scenario when adding public and publicly guaranteed domestic debt (Figure 6). Public debt dynamics have improved compared to the 2017 DSA and vulnerabilities have reduced. The PV of total public debt-to-GDP ratio peaks in 2019 at 32 percent of GDP (compared to its peak of 36 percent of GDP in the 2017 DSA) and then declines gradually over the long term. This dynamic mirrors the path of the PPG external debt stock, which increases in the short run due to the high rate of debt accumulation. The PV of total debt-to-GDP ratio would briefly exceed the benchmark in the medium term only under the extreme shock, while in the 2017 DSA it was also exceeding it under the historical scenario.¹³ Delays in repaying domestic arrears or debt owed to the BCRG, or data revisions after new audits of domestic debt and arrears could worsen the dynamics of total debt.

¹¹ The most extreme shocks are either an exports shock or a combination shock, consistent with the 2017 DSA.

¹² The weak policy scenario assumes real GDP is 1 percentage point below the baseline over 2019–38, reflecting slower reform implementation, and the basic fiscal balance is 0.5 percent of GDP in 2019–20, reflecting slower revenue collection. The frontloaded disbursement scenario assumes the US\$650 million in non-concessional loans are disbursed over a three rather than five-year period and more rapid disbursement of already signed concessional loans.

¹³ In this case, the most extreme shock is a 10 percent GDP increase in other debt creating flows in 2019.

CONCLUSION

8. Guinea remains at moderate risk of external debt distress. External debt is expected to increase significantly in the short run due to borrowing for financing critical infrastructure needs. The authorities' strategy of carefully phasing investment projects and spreading out loan disbursements, and commitment to containing non-concessional external borrowing within the amounts specified under the objectives of the ECF arrangement,¹⁴ will be key to ensuring that debt remains sustainable and does not exceed a moderate risk of external debt distress. Notably, indicators have improved under the baseline, alternative, and extreme shock scenarios compared to the 2017 DSA, pointing to reduced vulnerabilities, on the back of higher than anticipated growth.

9. Maximizing concessional debt and strengthening debt and public investment management will be essential to preserving debt sustainability in the context of large financing needs. In this regard, the authorities' commitment to implement a prudent borrowing strategy that aims to maximize concessionality and limit non-concessional borrowing to a maximum of US\$650 million (excluding Souapiti) during 2018–21 is key to ensuring that the risk of debt distress does not exceed a moderate level. Ongoing efforts to strengthen the debt management framework, with the support of technical assistance from the IMF, World Bank, and other development partners, will be essential to containing debt vulnerabilities. More specifically, updating the medium-term debt management strategy, further improvement in bond issuance practices, enhancing capacity to analyze debt sustainability, improving public debt statistics, and strengthening procedures for managing domestic debt will be helpful. The authorities plan to set-up a Committee to oversee debt management by end May 2018 and will update the medium-term debt management strategy (MTDS) by end-2018 with the support of IMF technical assistance. A statistical bulletin on public debt has been published in May 2018 and will continue to be updated on a quarterly basis. The authorities have also published for the first time a calendar of bond issuance on the Ministry of Economy and Finance website in April 2018. The World Bank also conducted a Debt Management Performance Assessment (DeMPA) in May 2018, the findings of which will be key to identify areas for improvement and to establish an action plan to strengthen debt management, with IMF and World Bank technical assistance. Further improving coordination among ministries and the central bank will be important to ensure that new borrowing is in line with the national strategy. Strengthening public investment ma10nagement, including with the implementation of a platform for integrated public investment management and the support of the Public Investment Management Assessment (PIMA) with IMF technical assistance, will enhance the transparency and efficiency of the investment plan.

10. The authorities broadly agree with the conclusions of the DSA. They underscored their commitment to maintaining a sustainable level of debt that does not exceed a moderate risk of debt distress. They also concurred with the importance of maximizing concessional borrowing where possible, but noted financing under these terms is not available in the scale needed to finance their large infrastructure needs. The authorities agree that addressing domestic debt is a priority and are committed to implement their strategy to gradually clear domestic arrears toward the private sector. They also remain committed to strengthen debt management by closely working with development partners.

¹⁴ Under the ECF arrangement, non-concessional borrowing is capped at US\$650 million, excluding the use of IMF resources, debts classified as international reserve liabilities of the BCRG and the non-concessional loan to finance the Souapiti dam project.







Table 5. Guinea: External Debt Sustainability Framework, Baseline Scenario, 2015–38^{1/} (Percent of GDP, unless otherwise indicated)

		Actual		Historical	6/ Standard 6/			Projec	tions						
				Average	Deviation							2018-2023			2024-203
	2015	2016	2017			2018	2019	2020	2021	2022	2023	Average	2028	2038	Average
External debt (nominal) 1/	21.6	21.6	19.6			26.9	31.7	33.0	32.4	31.9	31.6		28.8	19.8	
of which: public and publicly guaranteed (PPG)	21.6	21.6	19.6			26.9	31.7	33.0	32.4	31.9	31.6		28.8	19.8	
Change in external debt	1.3	0.0	-2.0			7.3	4.8	1.3	-0.6	-0.5	-0.4		-0.9	-0.9	
Identified net debt-creating flows	9.5	13.3	-8.9			6.7	5.0	1.7	0.1	0.6	0.8		-0.1	-0.6	
Non-interest current account deficit	12.3	31.1	6.9	13.1	8.1	20.9	15.7	16.8	12.8	12.3	10.6		6.1	1.6	4.8
Deficit in balance of goods and services	9.5	30.7	7.6			16.4	9.0	10.9	8.0	7.1	5.7		2.6	-0.1	
Exports	21.1	28.4	39.9			35.9	36.5	37.9	37.4	36.1	35.0		33.3	31.9	
Imports	30.7	59.1	47.4			52.2	45.6	48.8	45.4	43.2	40.7		35.9	31.9	
Net current transfers (negative = inflow)	0.0	-1.1	-0.9	-3.0	2.1	-0.6	-0.8	-0.9	-1.1	-1.1	-1.3		-1.3	-1.2	-1.2
of which: official	-0.2	-0.7	-0.2			-0.2	-0.3	-0.3	-0.4	-0.5	-0.5		-0.3	-0.3	
Other current account flows (negative = net inflow)	2.8	1.5	0.3			5.1	7.5	6.8	5.9	6.4	6.2		4.7	2.8	
Net FDI (negative = inflow)	-3.0	-18.3	-12.7	-6.1	5.7	-13.5	-9.6	-13.8	-11.5	-10.6	-8.7		-5.2	-1.6	-4.1
Endogenous debt dynamics 2/	0.2	0.6	-3.1			-0.7	-1.1	-1.3	-1.2	-1.1	-1.0		-0.9	-0.6	
Contribution from nominal interest rate	0.2	0.3	0.2			0.3	0.4	0.4	0.6	0.5	0.5		0.4	0.3	
Contribution from real GDP growth	-0.8	-2.3	-1.5			-1.0	-1.5	-1.8	-1.8	-1.6	-1.5		-1.4	-1.0	
Contribution from price and exchange rate changes	0.8	2.5	-1.8												
Residual (3-4) 3/	-8.2	-13.3	6.9			0.6	-0.2	-0.5	-0.6	-1.1	-1.2		-0.8	-0.2	
of which: exceptional financing	-0.5	0.0	-0.1			0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	
PV of external debt 4/			13.6			18.6	21.9	22.8	22.4	22.0	21.9		20.6	14.3	
In percent of exports			34.1			51.7	59.9	60.2	59.8	61.0	62.5		62.0	44.7	
PV of PPG external debt			13.6			18.6	21.9	22.8	22.4	22.0	21.9		20.6	14.3	
In percent of exports			34.1			51.7	59.9	60.2	59.8	61.0	62.5		62.0	44.7	
In percent of government revenues			98.0			127.9	142.2	140.8	136.5	132.6	130.3		122.3	83.7	
Debt service-to-exports ratio (in percent)	4.9	3.6	1.1			2.2	2.6	2.6	3.2	3.7	3.6		5.0	5.2	
PPG debt service-to-exports ratio (in percent)	4.9	3.6	1.1			2.2	2.6	2.6	3.2	3.7	3.6		5.0	5.2	
PPG debt service-to-revenue ratio (in percent)	7.6	7.1	3.2			5.5	6.2	6.0	7.4	8.0	7.5		9.8	9.7	
Total gross financing need (Billions of U.S. dollars)	0.9	1.2	-0.5			0.9	0.9	0.5	0.4	0.5	0.5		0.6	0.8	
Non-interest current account deficit that stabilizes debt ratio	11.0	31.1	8.9			13.5	10.9	15.6	13.3	12.9	11.0		6.9	2.4	
Key macroeconomic assumptions															
Real GDP growth (in percent)	3.8	10.5	8.2	4.9	3.2	5.8	5.9	6.0	6.0	5.3	5.0	5.7	5.0	5.0	5.0
GDP deflator in US dollar terms (change in percent)	-3.7	-10.5	8.9	0.6	9.6	5.9	2.1	2.0	2.0	2.0	2.0	2.7	2.0	2.0	2.0
Effective interest rate (percent) 5/	0.8	1.5	1.1	1.2	0.3	1.9	1.6	1.5	1.9	1.5	1.5	1.7	1.5	1.7	1.6
Growth of exports of G&S (US dollar terms, in percent)	-5.1	32.9	65.3	15.4	25.4	0.8	10.1	12.2	6.7	3.8	3.8	6.3	6.3	7.1	6.4
Growth of imports of G&S (US dollar terms, in percent)	-7.1	90.8	-5.4	16.4	34.1	23.3	-5.6	15.9	0.5	2.4	0.8	6.2	4.9	6.3	5.3
Grant element of new public sector borrowing (in percent)						31.1	29.1	30.3	28.9	28.0	28.4	29.3	25.8	20.5	24.0
Government revenues (excluding grants, in percent of GDP)	13.7	14.6	13.8			14.5	15.4	16.2	16.4	16.6	16.8		16.9	17.1	16.9
Aid flows (in Billions of US dollars) 7/	0.1	0.1	0.1			0.4	0.4	0.4	0.4	0.4	0.5		0.4	0.6	
of which: Grants	0.1	0.1	0.1			0.1	0.1	0.1	0.2	0.2	0.2		0.1	0.2	
of which: Concessional loans	0.0	0.0	0.0			0.3	0.2	0.2	0.2	0.3	0.3		0.3	0.4	
Grant-equivalent financing (in percent of GDP) 8/						3.8	3.2	2.4	1.8	1.9	1.8		1.1	0.9	1.1
Grant-equivalent financing (in percent of external financing) 8/						38.4	37.9	44.2	48.8	48.5	48.5		39.3	37.5	39.2
Memorandum items:															
Nominal GDP (Billions of US dollars)	8.8	8.7	10.3			11.5	12.4	13.4	14.5	15.6	16.7		23.5	46.4	
Nominal dollar GDP growth	0.0	-1.1	17.9			12.1	8.2	8.2	8.1	7.4	7.1	8.5	7.0	7.0	7.0
PV of PPG external debt (in Billions of US dollars)			1.4			2.1	2.6	3.0	3.2	3.4	3.6		4.7	6.4	
(PVt-PVt-1)/GDPt-1 (in percent)						6.5	5.0	2.7	1.4	1.3	1.4	3.0	0.9	0.3	0.8
Gross workers' remittances (Billions of US dollars)	0.0	0.0	0.0			0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	
PV of PPG external debt (in percent of GDP + remittances)			13.6			18.6	21.9	22.8	22.4	22.0	21.9		20.6	14.3	
PV of PPG external debt (in percent of exports + remittances)			34.1			51.7	59.9	60.2	59.8	61.0	62.5		62.0	44.7	
Debt service of PPG external debt (in percent of exports + remittances)			1.1			2.2	2.6	2.6	3.2	3.7	3.6		5.0	5.2	

Sources: Country authorities; and staff estimates and projections.

1/ Includes both public and private sector external debt.

 $2/\text{ Derived as } [r - g - \rho(1+g)]/(1+g+\rho+g\rho) \text{ times previous period debt ratio, with } r = nominal interest rate; g = real GDP growth rate, and <math>\rho = growth rate of GDP deflator in U.S. dollar terms.$

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

It includes donors' financing expected to be mobilized during the program (US\$ 40 million in 2017 by the World Bank and Euro 55 million over 2017-19 by the European Union).

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

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

6/ Historical averages and standard deviations are generally derived over the past 10 years, subject to data availability.

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

8/ 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).

Table 6. Guinea: Sensitivity Analysis for Key Indicators of Public and Publicly GuaranteedExternal Debt, 2018–38

(Percent)

i				Proiect	ions			
-	2018	2019	2020	2021	2022	2023	2028	2038
PV of debt-to GDP r	atio							
Baseline	19	22	23	22	22	22	21	14
A. Alternative Scenarios								
A1. Key variables at their historical averages in 2018-2038 1/ A2. New public sector loans on less favorable terms in 2018-2038 2/	19 19	23 23	27 25	31 25	35 25	39 25	56 26	64 21
B. Bound Tests								
B1. Real GDP growth at historical average minus one standard deviation in 2019-2020	19	22	24	24	23	23	22	15
B2. Export value growth at historical average minus one standard deviation in 2019-2020 3/	19	26	36	35	34	34	27	14
B3. US dollar GDP deflator at historical average minus one standard deviation in 2019-2020	19	24	28	27	27	27	25	17
B4. Net non-debt creating flows at historical average minus one standard deviation in 2019-2020 4/	19	28	38	37	36	36	27	14
B5. Combination of B1-B4 using one-half standard deviation shocks	19	30	47	45	45	44	33	17
B6. One-time 30 percent nominal depreciation relative to the baseline in 2019 5/	19	30	31	31	30	30	28	20
PV of debt-to-exports	a ratio							
Baseline	52	60	60	60	61	62	62	45
A. Alternative Scenarios								
A1. Key variables at their historical averages in 2018-2038 1/ A2. New public sector loans on less favorable terms in 2018-2038 2/	52 52	63 63	72 65	84 66	97 69	111 72	167 77	202 67
B. Bound Tests								
B1. Real GDP growth at historical average minus one standard deviation in 2019-2020	52	58	58	58	59	61	60	43
B2. Export value growth at historical average minus one standard deviation in 2019-2020 3/	52	87	145	143	145	148	122	67
B3. US dollar GDP deflator at historical average minus one standard deviation in 2019-2020	52	58	58	58	59	61	60	43
B4. Net non-debt creating flows at historical average minus one standard deviation in 2019-2020 4/	52	76	100	99	100	102	82	44
B5. Combination of B1-B4 using one-half standard deviation shocks	52	79	120	119	121	123	98	52
B6. One-time 30 percent nominal depreciation relative to the baseline in 2019 5/	52	58	58	58	59	61	60	43
PV of debt-to-revenue	e ratio							
Baseline	128	142	141	137	133	130	122	84
A Alternative Scenarios								
A1. Key variables at their historical averages in 2018-2038 1/ A2. New public sector loans on less favorable terms in 2018-2038 2/	128 128	149 149	168 152	191 151	211 150	231 150	329 153	377 126
B. Bound Tests								
B1. Real GDP growth at historical average minus one standard deviation in 2019-2020	128	144	149	144	140	137	129	88
B2. Export value growth at historical average minus one standard deviation in 2019-2020 3/	128	169	222	214	207	202	157	82
B3. US dollar GDP deflator at historical average minus one standard deviation in 2019-2020	128	155	172	167	162	159	149	102
B4. Net non-debt creating flows at historical average minus one standard deviation in 2019-2020 4/	128	180	234	225	217	212	162	82
B5. Combination of B1-B4 using one-half standard deviation shocks	128	192	288	277	268	261	198	99
B6. One-time 30 percent nominal depreciation relative to the baseline in 2019 5/	128	196	194	188	182	179	168	115

Table 6. Guinea: Sensitivity Analysis for Key Indicators of Public and Publicly Guaranteed External Debt, 2018–38 (concluded)

(Percent)

				Project	tions			
-	2018	2019	2020	2021	2022	2023	2028	2038
Debt service-to-export	s ratio							
Baseline	2	3	3	3	4	4	5	5
A. Alternative Scenarios								
A1. Key variables at their historical averages in 2018-2038 1/	2	3	3	4	4	4	11	21
A2. New public sector loans on less favorable terms in 2018-2038 2/	2	3	3	3	4	4	7	8
B. Bound Tests								
B1. Real GDP growth at historical average minus one standard deviation in 2019-2020	2	3	3	3	4	4	5	5
B2. Export value growth at historical average minus one standard deviation in 2019-2020 3/	2	3	4	6	6	6	13	8
B3. US dollar GDP deflator at historical average minus one standard deviation in 2019-2020	2	3	3	3	4	4	5	5
B4. Net non-debt creating flows at historical average minus one standard deviation in 2019-2020 4/	2	3	3	4	4	4	9	5
B5. Combination of B1-B4 using one-half standard deviation shocks	2	3	3	5	5	5	11	6
Bo. One-time 30 percent nominal depreciation relative to the baseline in 2019 5/	2	3	3	3	4	4	5	5
Debt service-to-revenu	e ratio							
Baseline	6	6	6	7	8	7	10	10
A. Alternative Scenarios								
A1. Key variables at their historical averages in 2018-2038 1/	6	6	6	8	9	9	22	39
A2. New public sector loans on less favorable terms in 2018-2038 2/	6	6	6	8	8	8	13	14
B. Bound Tests								
B1. Real GDP growth at historical average minus one standard deviation in 2019-2020	6	7	7	8	9	8	11	11
B2. Export value growth at historical average minus one standard deviation in 2019-2020 3/	6	6	6	9	9	9	17	10
B3. US dollar GDP deflator at historical average minus one standard deviation in 2019-2020	6	7	8	9	10	9	12	12
B4. Net non-debt creating flows at historical average minus one standard deviation in 2019-2020 4/	6	6	7	9	9	9	17	10
B5. Combination of B1-B4 using one-half standard deviation shocks	6	7	8	11	11	10	22	12
Bo. One-time 30 percent nominal depreciation relative to the baseline in 2019 5/	б	9	9	10	1 I	11	14	14
Memorandum item:								
Grant element assumed on residual financing (i.e., financing required above baseline) 6/	29	29	29	29	29	29	29	29
Sources: Country authorities; and staff estimates and projections.								

1/ Variables include real GDP growth, growth of GDP deflator (in U.S. dollar terms), non-interest current account in percent of GDP, and non-debt creating flows. 2/ Assumes that the interest rate on new borrowing is by 2 percentage points higher than in the baseline, while grace and maturity periods are the same as in the 3/ Exports values are assumed to remain permanently at the lower level, but the current account as a share of GDP is assumed to return to its baseline level after the shock (implicitly assuming an offsetting adjustment in import levels).

4/ Includes official and private transfers and FDI.

5/ Depreciation is defined as percentage decline in dollar/local currency rate, such that it never exceeds 100 percent.

6/ Applies to all stress scenarios except for A2 (less favorable financing) in which the terms on all new financing are as specified in footnote 2.

 Table 7. Guinea: Public Sector Sustainability Framework, Baseline Scenario, 2014–38

 (Percent of GDP_unless otherwise indicated)

matrix matrix<	2014 Public sector debt 1/ of which: foreign-currency denominated Change in public sector debt Identified debt-creating flows Primary deficit Revenue and grants of which: grants Primary (noninterest) expenditure Automatic debt dynamics	37.5	2015	2016	2017		Standard 5	19					2018	-23		P C C C
Rotation State Disk Other Description Disk Opt Disk Disk <thdisk< th=""> <thdisk< th=""> Disk</thdisk<></thdisk<>	2014 Public sector debt 1/ of which: foreign-currency denominated Change in public sector debt Identified debt-creating flows Primary deficit Revenue and grants of which: grants Primary (noninterest) expenditure Automatic debt dynamics	37.5	2015	2016	2017	AVPRADE										20/4
TMIC refers of early of the properties of early of the properties of early of the properties of the properity of the properties of th	Public sector debt 1/ of which: foreign-currency denominated Change in public sector debt Identified debt-creating flows Primary deficit. Revenue and grants of which: grants Primary (noninterest) expenditure Automatic debt dynamics	37.5				10000	Deviation	2018	2019	2020	2021	2022	2023 Avera	age 202	8 203	8 Aver
Change in bulle series det fremend and series det Finany official Change in bulle series det fremend and series (series) Calibre and series	Change in public sector debt Identified debt-creating flows Primary deficit Revenue and grants of which: grants Primary (noninterest) expenditure Automatic debt dynamics Convisi, wich ginameet trate/rrowth differential	23.1	43.6 23.3	41.8 22.5	37.4 19.6			40.3 26.9	43.0 31.7	42.4 33.0	40.3 32.4	38.6 31.9	37.6 31.6	5 m	2.4 21 8.8 19	ون هز
Primary indication derivation of the field of t	Identified debt-creating flows Primary deficit Revenue and grants of which: grants Primary (noninterest) expenditure Automatic debt dynamics Crownik ince from Interest Tata/rrowth differential	6.2	6.1	-1.8	-4.4			2.9	2.7	-0.6	-2.0	-1.7	-1.	'n	1.2 -1	O.
Revenue and grutti Revenue	Primary deficit Revenue and grants of which: grants Primary (noninterest) expenditure Automatic deby namics Convris view form pinemeet rate/vrowth differential	2.0	6.0	-3.3	-5.0			-1.2	-1.4	-2.1	-2.0	-1.6	-1.4	1	1.0	Ŀ.
Remain and antimic formation 167 171 152 152 152 152 153 151 171	Revenue and grants of which: grants Primary (noninterest) expenditure Automatic debt dynamics Convisi, wiso, from Interest Tata/vrowth differential	2.6	6.2	-0.7	1.4	2.3	3.2	1.2	1.2	0.6	0.4	0.4	0.4	0.7	0.3 0	۲.
of function of function <thoi function<="" th=""> <thoi function<="" th=""></thoi></thoi>	of which: grants Primary (noninterest) expenditure Automatic debt dynamics Convisi Nion from Interest Tata/rrowth differential	16.7	14.7	15.6	15.2			15.6	16.5	17.3	17.4	17.7	17.8	-	7.4 17	Ŀ.
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Primary (noninterest) expenditure Automatic debt dynamics Convisi, no. from interest tata/rrowth differential	2.8	1.0	0.9	1.3			1.1	1.1	1.1	1.1	1.1	1.1	0	0.5 0	Ŀ.
Anomic classification -13 -23 -24 -23 -24 -24 -26 -27 -24 -26 -17 -13 -26 -27 -24 -26 -17 -13 -26 -16	Automatic debt dynamics Contribution from interact rate/or owth differential	19.2	20.9	14.9	16.6			16.8	17.7	17.8	17.8	18.1	18.3	t-	7.6 17	7.
Correlation from invest region of lineareal 10 16 57 59 35 40 43 34	Contribution from interest rate/orowth differential	-0.5	0.8	-2.7	-6.4			-2.5	-2.6	-2.7	-2.4	-2.0	-1.8		1.3 -0	9.
		-1.0	-1.6	-5.7	-5.9			-3.5	-4.0	-4.3	-4.1	-3.7	-3.4	1	2.8 -1	7.
	of which: contribution from average real interest rate	0.2	-0.2	-1.6	-2.7			-1.5	-1.7	-1.9	-1.7	-1.6	-1.5		1.3 -0	9.
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	of which: contribution from real GDP growth	-1.1	-1.4	-4.1	-3.2			-2.1	-2.3	-2.4	-2.4	-2.0	-1.8		1.6 -1	۲.
Other identication (respit) (respin) Other identication (respin)	Contribution from real exchange rate depreciation	0.5	2.3	3.0	-0.5			1.1	1.4	1.6	1.7	1.6	1.6		:	:
Privatization receips (regime) 00	Other identified debt-creating flows	-0.1	-1.0	0.0	0.0			0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.
Recognition of medication 00 000 Reconstant Reconst	Privatization receipts (negative)	0.0	0.0	0.0	0.0			0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Recognition of implicit or contingent liabilities	0.0	0.0	0.0	0.0			0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.
	Debt relief (HIPC and other)	-0.1	-1.0	0.0	0.0			0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.
Residual, including asset change: 4.1 4.0 1.5 0.6 0.1 0.2	Other (specify, e.g. bank recapitalization)	0.0	0.0	0.0	0.0			0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.
Other Statinghtly Indicators Other Statinghtly Indicators Stating Indicators StatindIndindi	Residual, including asset changes	4.2	0.1	1.5	0.6			4.1	4.0	1.5	0.0	0.0	0.3	Ŷ	0.2 -0	Ŀ.
Work polic sector debt 314 320 331 322 333 232 333 233	Other Sustainability Indicators															
of which: foreign-currency denominated 136 136 136 18 219 228 24 220 219 206 14 PV of confrigent labilities (not included in public sector deb) m	PV of public sector debt	:	:	:	31.4			32.0	33.1	32.2	30.3	28.8	27.9	2	4.2 16	4
	of which: foreign-currency denominated	:	:	:	13.6			18.6	21.9	22.8	22.4	22.0	21.9	2	0.6 12	m,
PV of contrigent liabilities (not included in public sector debt) m <td>of which: external</td> <td>:</td> <td>:</td> <td>:</td> <td>13.6</td> <td></td> <td></td> <td>18.6</td> <td>21.9</td> <td>22.8</td> <td>22.4</td> <td>22.0</td> <td>21.9</td> <td>2</td> <td>0.6 1/</td> <td>e.</td>	of which: external	:	:	:	13.6			18.6	21.9	22.8	22.4	22.0	21.9	2	0.6 1/	e.
Gross financing need $2/$ Gross financing need $2/$ Sign 2/3 Sign 2/3 <td>PV of contingent liabilities (not included in public sector debt)</td> <td>:</td> <td>:</td> <td>:</td> <td>:</td> <td></td> <td></td> <td>:</td> <td>:</td> <td>:</td> <td>:</td> <td>:</td> <td>:</td> <td></td> <td>:</td> <td>:</td>	PV of contingent liabilities (not included in public sector debt)	:	:	:	:			:	:	:	:	:	:		:	:
$ Vo f obblic sector debr-to-revenue and gants ratio (in percent) \\ Vo f obblic sector debr-to-revenue and gants ratio (in percent) \\ Vo f obblic sector debr-to-revenue and gants ratio (in percent) \\ Vo f obblic sector debr-to-revenue and gants ratio (in percent) \\ Vo f obblic sector debr-to-revenue and gants ratio (in percent) \\ Vo f obblic sector debr-to-revenue and gants ratio (in percent) \\ Vo f obblic sector debr-to-revenue and gants ratio (in percent) \\ Vo f obblic sector debr-to-revenue and gants ratio (in percent) \\ Vo f obblic sector debr-to-revenue and gants ratio (in percent) \\ Vo f obblic sector debr-to-coprenue and gants ratio (in percent) \\ Vo f obblic sector debr-to-coprenue and gants ratio (in percent) \\ Vo f obblic sector debr-to-coprenue and gants ratio (in percent) \\ Vo f and efficit hat standing and efficit hat st$	Gross financing need 2/	52.2	9.9	3.2	4.3			3.7	3.8	2.9	3.1	2.9	2.8		2.7 2	- 5
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	PV of public sector debt-to-revenue and grants ratio (in percent)	:	:	:	206.7			205.3	201.4	186.3	173.6	162.3	156.2	13	9.4 93	5
Or match extrant $3/2$ 3	PV of public sector debt-to-revenue ratio (in percent)	:	:	:	226.8			220.3	215.3	198.8	184.8	173.0	166.1	4	9.0	ດຸເ
Defi service-to-revenue ratio (in percent) 4/ $1,1$ $5,8$ $21,0$ $1,7$ $1,6$ $1,4$ $1,5$ $1,4$ $1,5$ $1,4$ $1,5$ $1,4$ $1,5$ $1,4$ $1,5$ $1,4$ $1,5$ $1,4$ $1,5$ $1,4$ $1,5$ $1,4$ $1,5$ $1,4$ $1,5$ $1,4$ $1,5$ $1,4$ $1,5$ $1,4$ $1,5$ <td< td=""><td>טן אווגרון. באנפרווטנ כא Debt service-to-revenue and grants ratio (in percent) 4/</td><td> 298.1</td><td></td><td></td><td>19.1</td><td></td><td></td><td>16.1</td><td>15.7</td><td>13.6</td><td>15.4</td><td>14.3</td><td>13.6</td><td>2 -</td><td>0 6 E E</td><td>5 12</td></td<>	טן אווגרון. באנפרווטנ כא Debt service-to-revenue and grants ratio (in percent) 4/	 298.1			19.1			16.1	15.7	13.6	15.4	14.3	13.6	2 -	0 6 E E	5 12
Primary deficit that stabilizes the debt-to-GDP ratio0.11.15.8 -1.7 -1.4 1.2 2.4 2.1 1.5 1.7 1.5 1.5 1.5 1.5 1.7 1.5 1.5 1.5 1.7 1.5 1.5 1.7 1.5 1.5 1.7 1.5 1.5 1.7 1.5 1.5 1.7 <	Debt service-to-revenue ratio (in percent) 4/	358.5	27.2	26.3	21.0			17.3	16.7	14.5	16.4	15.2	14.5	·	4.3 13	6
Key macroeconomic and fiscal assumptions 3.7 3.8 10.5 8.2 4.9 3.2 5.8 5.9 6.0 6.0 5.3 5.0 5.7 5.0 7 5.0 7 5.0 5.7 5.7 5.7 5.7 5.7 5.7 5.7 5.7	Primary deficit that stabilizes the debt-to-GDP ratio		0.1	1.1	5.8			- 1.7	-1.4	1.2	2.4	2.1	1.5		1.5	.
Real GDP growth (in percent) 3.7 3.8 10.5 8.2 4.9 3.2 5.8 5.9 6.0 5.3 5.0 5.7 5.7 5.7 5.7 5.7 5.7 5.7	Key macroeconomic and fiscal assumptions															
Average nominal interest rate on forex debt (in percent) 10 0.7 1.4 1.1 1.1 0.3 1.9 1.6 1.5 1.7 1.2 1.5 1.7 1.2 1.4 20 1.4 20 1.4 20 1.4 20 1.4 20 1.4 20 1.4 20 1.4 20 1.4 20 1.4 20 1.4 20 1.4 20 1.4 20 1.4 20 21 20	Real GDP growth (in percent)	3.7	3.8	10.5	8.2	4.9	3.2	5.8	5.9	6.0	6.0	5.3	5.0	5.7	5.0	0
Average real interest rate on domestic debt (in percent) 3.0 2.0 -2.4 -5.5 -0.4 5.2 -2.4 -1.2 0.6 2.1 3.7 0.2 11.4 28 Real exchange rate depreciation (in percent, + indicates depreciation) 3.2 10.7 15.3 -2.4 5.5 8.4 5.5 6.0 <td>Average nominal interest rate on forex debt (in percent)</td> <td>1.0</td> <td>0.7</td> <td>1.4</td> <td>1.1</td> <td>1.1</td> <td>0.3</td> <td>1.9</td> <td>1.6</td> <td>1.5</td> <td>1.9</td> <td>1.5</td> <td>1.5</td> <td>1.7</td> <td>1.5</td> <td>7.</td>	Average nominal interest rate on forex debt (in percent)	1.0	0.7	1.4	1.1	1.1	0.3	1.9	1.6	1.5	1.9	1.5	1.5	1.7	1.5	7.
Real exchange rate depreciation (in percent, + indicates depreciation) 3.2 10.7 15.3 -2.4 8.5 10.9 6.0 <th< td=""><td>Average real interest rate on domestic debt (in percent)</td><td>3.0</td><td>2.0</td><td>-2.4</td><td>- 5.5</td><td>-0.4</td><td>5.2</td><td>- 2.4</td><td>-1.6</td><td>-1.2</td><td>0.6</td><td>2.1</td><td>3.7</td><td>0.2 1</td><td>1.4 26</td><td>3</td></th<>	Average real interest rate on domestic debt (in percent)	3.0	2.0	-2.4	- 5.5	-0.4	5.2	- 2.4	-1.6	-1.2	0.6	2.1	3.7	0.2 1	1.4 26	3
Inflation rate (GP deflator, in percent) 28 28 7.1 105 8.4 5.3 8.1 8.1 7.9 7.8 7.8 7.8 7.8 7.8 0.6 6 for event of real primary spending (deflated by GP deflator, in percent) 0.1 12.8 -21.3 20.4 1.4 10.6 7.3 11.6 7.0 5.8 7.2 5.7 7.4 5.2 a Grant ent of new external borrowing (in percent)	Real exchange rate depreciation (in percent, + indicates depreciation)	3.2	10.7	15.3	-2.4	8.5	10.9	6.0	:	:	:	:	:	:	:	:
Growth of real primary spending (deflated by CDP deflator, in percent) 0.1 12.8 -21.3 20.4 1.4 10.6 7.3 11.6 7.0 5.8 7.2 5.7 7.4 5.2 4 That element of new external borrowing (in percent)	Inflation rate (GDP deflator, in percent)	2.8	2.8	7.1	10.5	8.4	5.3	8.1	8.1	7.9	7.8	7.8	7.8	7.9	8.0	0
Grant element of new external borrowing (in percent)	Growth of real primary spending (deflated by GDP deflator, in percent)	0.1	12.8	-21.3	20.4	1.4	10.6	7.3	11.6	7.0	5.8	7.2	5.7	7.4	5.2	5
Sources: Country authorities; and staff estimates and projections. 1/ Public debt is defined as the gross central government debt (including the BCRG guarantees). 2. 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.	Grant element of new external borrowing (in percent)	:	:	:	:	:	:	31.1	29.1	30.3	28.9	28.0	28.4	29.3 2	5.8 20	.5
2/ 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.	Sources: Country authorities; and staff estimates and projections. 1/ Public debt is defined as the gross central government debt (including the BCRG guar	antees).														
	2/ Gross financing need is defined as the primary deficit plus debt service plus the stock	of short-te	rm debt at	the end of	the last pei	iod.										
3/ Revenues excluding grants.	3/ Revenues excluding grants.															

Table 8. Guinea: Sensitivity Analysis for Key Indicators of Public Debt 2018–38

(Percent)

				Project	tions			
	2018	2019	2020	2021	2022	2023	2028	2038
PV of Debt-to-GDP Ratio								
Baseline	32	33	32	30	29	28	24	16
A. Alternative scenarios								
A1. Real GDP growth and primary balance are at historical averages	32	34	35	34	34	35	36	36
A2. Primary balance is unchanged from 2018	32	33	33	31	30	30	29	25
A3. Permanently lower GDP growth 1/	32	33	33	31	30	30	30	33
B. Bound tests								
B1. Real GDP growth is at historical average minus one standard deviations in 2019-20	32	35	36	35	34	34	34	31
B2. Primary balance is at historical average minus one standard deviations in 2019-202	32	36	38	36	35	34	29	19
B3. Combination of B1-B2 using one half standard deviation shocks	32	36	38	36	35	35	33	27
B4. One-time 30 percent real depreciation in 2019	32	40	39	36	34	33	29	22
B5. 10 percent of GDP increase in other debt-creating flows in 2019	32	40	39	37	35	34	29	19
PV of Debt-to-Revenue Ratio	2/							
Baseline	205	201	186	174	162	156	139	93
A. Alternative scenarios								
A1. Real GDP growth and primary balance are at historical averages	205	208	201	197	193	193	208	208
A2. Primary balance is unchanged from 2018 A3. Permanently lower GDP growth 1/	205 205	201 203	189 190	179 179	171 170	168 167	165 171	142 186
B. Bound tests								
B1. Real GDP growth is at historical average minus one standard deviations in 2019-20	205	212	209	201	193	192	198	179
B2. Primary balance is at historical average minus one standard deviations in 2019-202	205	219	222	208	195	188	166	108
B4. One-time 30 percent real depreciation in 2019	205	245	219	208	190	194	170	125
B5. 10 percent of GDP increase in other debt-creating flows in 2019	205	243	224	210	197	190	167	109
Debt Service-to-Revenue Ratio	2/							
Baseline	16	16	14	15	14	14	14	14
A. Alternative scenarios								
A1. Real GDP growth and primary balance are at historical averages	16	16	14	16	15	15	18	23
A2. Primary balance is unchanged from 2018	16	16	14	15	14	14	15	17
A3. Permanently lower GDP growth 1/	16	16	14	16	15	14	16	20
B. Bound tests								
B1. Real GDP growth is at historical average minus one standard deviations in 2019-20	16	16	15	17	16	15	17	21
B2. Primary balance is at historical average minus one standard deviations in 2019-202	16	16	14	16	15	14	17	15
B3. Combination of B1-B2 using one half standard deviation shocks	16	16	14	17	16	15	18	19
B4. One-time 30 percent real depreciation in 2019	16	17	16	19	18	17	19	21
B5. 10 percent of GDP increase in other debt-creating flows in 2019	16	16	14	16	15	14	17	15

Sources: Country authorities; and staff estimates and projections.

1/ Assumes that real GDP growth is at baseline minus one standard deviation divided by the square root of the length of the projection period. 2/ Revenues are defined inclusive of grants.