

Table 5a. Burkina Faso: Total Public Sector Debt Sustainability Framework, Baseline Scenario, 2009-2032
(In percent of GDP, unless otherwise indicated)

	Actual			Estimate		Projections									
	2009	2010	2011	Average ^{5/}	Std. Dev. ^{5/}	2012	2013	2014	2015	2016	2017	2012-17 Average	2022	2032	2018-32 Average
Public sector debt 1/	26.1	27.1	29.3			28.3	27.2	26.0	25.3	24.9	25.1		30.2	38.1	
o/w foreign-currency denominated	22.0	23.9	24.1			24.0	23.8	23.9	24.1	24.4	24.9		30.2	38.1	
Change in public sector debt	2.5	1.0	2.2			-1.0	-1.2	-1.1	-0.7	-0.4	0.2		1.3	0.4	
Identified debt-creating flows	1.5	3.4	0.5			0.6	0.9	0.8	1.0	0.5	0.7		1.4	0.2	
Primary deficit	4.3	4.1	2.0	1.8	6.7	3.0	2.8	2.6	2.8	2.3	2.4	2.6	3.5	2.7	3.1
Revenue and grants	19.6	20.1	21.8			23.2	22.7	23.2	23.3	23.8	23.7		22.5	21.1	
of which: grants	5.9	4.6	5.3			7.1	6.4	6.1	5.8	5.5	5.4		4.1	1.9	
Primary (noninterest) expenditure	23.9	24.2	23.8			26.2	25.6	25.8	26.1	26.1	26.1		26.0	23.8	
Automatic debt dynamics	-2.1	-0.5	-1.5			-2.4	-1.9	-1.8	-1.8	-1.7	-1.7		-2.0	-2.5	
Contribution from interest rate/growth differential	-0.8	-2.1	-2.0			-2.4	-2.0	-1.9	-1.9	-1.8	-1.8		-2.0	-2.5	
of which: contribution from average real interest rate	-0.1	-0.2	-0.9			-0.5	-0.1	-0.1	-0.2	-0.2	-0.2		-0.3	-0.4	
of which: contribution from real GDP growth	-0.7	-1.9	-1.1			-1.9	-1.9	-1.8	-1.7	-1.6	-1.6		-1.7	-2.1	
Contribution from real exchange rate depreciation	-1.3	1.7	0.5			0.0	0.0	0.1	0.1	0.1	0.1		...	...
Other identified debt-creating flows	-0.8	-0.2	0.0			0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	
Privatization receipts (negative)	-0.8	-0.2	0.0			0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	
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	
Debt relief (HIPC and other)	0.0	0.0	0.0			0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	
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	
Residual, including asset changes	1.0	-2.4	1.6			-1.6	-2.1	-1.9	-1.7	-0.9	-0.5		-0.1	0.1	
Other Sustainability Indicators															
PV of public sector debt	...	...	19.7			18.9	17.8	16.6	15.8	15.3	15.4		19.3	26.4	
o/w foreign-currency denominated	...	...	14.6			14.5	14.4	14.5	14.6	14.8	15.2		19.3	26.4	
o/w external	...	...	14.6			14.5	14.4	14.5	14.6	14.8	15.2		19.3	26.4	
PV of contingent liabilities (not included in public sector debt)	...	...	...			...	...	...	...	...	...		...	...
Gross financing need 2/	5.4	5.4	3.4			4.6	4.4	4.4	4.3	3.7	3.4		4.2	4.0	
PV of public sector debt-to-revenue and grants ratio (in percent)	...	...	90.5			81.5	78.1	71.6	67.8	64.2	64.9		85.4	125.0	
PV of public sector debt-to-revenue ratio (in percent)	...	...	119.4			117.2	108.8	97.3	90.4	83.5	84.2		104.4	137.0	
o/w external 3/	...	...	88.2			90.2	88.4	84.8	83.3	80.9	83.3		104.4	137.0	
Debt service-to-revenue and grants ratio (in percent) 4/	5.2	6.7	6.3			6.9	7.0	7.7	6.8	6.2	4.2		3.1	6.0	
Debt service-to-revenue ratio (in percent) 4/	7.4	8.6	8.3			9.9	9.7	10.5	9.1	8.1	5.5		3.7	6.6	
Primary deficit that stabilizes the debt-to-GDP ratio	1.8	3.1	-0.1			3.9	4.0	3.8	3.5	2.7	2.2		2.2	2.4	
Key macroeconomic and fiscal assumptions															
Real GDP growth (in percent)	3.0	7.9	4.2	5.6	1.9	7.0	7.0	7.0	7.0	6.9	6.8	7.0	6.4	6.0	6.3
Average nominal interest rate on forex debt (in percent)	1.1	1.1	1.2	0.9	0.3	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Average real interest rate on domestic debt (in percent)	5.9	2.8	1.7	3.0	3.4	2.3	3.6	3.6	3.4	3.2	2.3	3.0	1.0	1.0	1.0
Real exchange rate depreciation (in percent, + indicates depreciation)	-6.7	8.3	2.3	-3.3	10.2	0.1	...	...	...	...	...	...	...	...	...
Inflation rate (GDP deflator, in percent)	2.3	2.8	5.6	3.0	2.8	3.5	2.0	2.0	2.0	2.0	2.0	2.3	2.0	2.0	2.0
Growth of real primary spending (deflated by GDP deflator, in percent)	0.2	0.1	0.0	0.1	0.1	0.2	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Grant element of new external borrowing (in percent)	...	...	...	...	...	41.1	46.4	45.2	43.8	42.7	41.7	43.5	38.1	36.2	...

Sources: Country authorities; and staff estimates and projections.

1/ Medium term and long term general government gross debt

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.

3/ Revenues excluding grants.

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

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

Table 5b. Burkina Faso: Sensitivity Analysis for Key Indicators of Public Debt 2012-2032

	Projections							
	2012	2013	2014	2015	2016	2017	2022	2032
PV of Debt-to-GDP Ratio								
Baseline	19	18	17	16	15	15	19	26
A. Alternative scenarios								
A1. Real GDP growth and primary balance are at historical averages	19	17	16	15	14	14	15	18
A2. Primary balance is unchanged from 2012	19	18	17	16	16	17	20	26
A3. Permanently lower GDP growth 1/	19	18	17	16	16	16	22	36
B. Bound tests								
B1. Real GDP growth is at historical average minus one standard deviations in 2013-2014	19	19	19	18	19	19	26	37
B2. Primary balance is at historical average minus one standard deviations in 2013-2014	19	21	23	22	21	21	24	29
B3. Combination of B1-B2 using one half standard deviation shocks	19	20	20	20	19	20	25	35
B4. One-time 30 percent real depreciation in 2013	19	23	21	20	19	18	19	23
B5. 10 percent of GDP increase in other debt-creating flows in 2013	19	24	22	21	20	20	23	28
PV of Debt-to-Revenue Ratio 2/								
Baseline	81	78	72	68	64	65	85	125
A. Alternative scenarios								
A1. Real GDP growth and primary balance are at historical averages	81	76	68	62	58	58	65	85
A2. Primary balance is unchanged from 2012	81	79	73	70	68	70	88	123
A3. Permanently lower GDP growth 1/	81	78	73	69	67	68	98	170
B. Bound tests								
B1. Real GDP growth is at historical average minus one standard deviations in 2013-2014	81	81	79	78	77	80	114	175
B2. Primary balance is at historical average minus one standard deviations in 2013-2014	81	93	101	96	90	90	105	136
B3. Combination of B1-B2 using one half standard deviation shocks	81	85	86	83	81	83	111	163
B4. One-time 30 percent real depreciation in 2013	81	102	92	85	78	76	85	111
B5. 10 percent of GDP increase in other debt-creating flows in 2013	81	105	96	91	86	86	102	134
Debt Service-to-Revenue Ratio 2/								
Baseline	7	7	8	7	6	4	3	6
A. Alternative scenarios								
A1. Real GDP growth and primary balance are at historical averages	7	7	8	7	6	4	3	5
A2. Primary balance is unchanged from 2012	7	7	8	7	6	4	3	6
A3. Permanently lower GDP growth 1/	7	7	8	7	6	4	3	7
B. Bound tests								
B1. Real GDP growth is at historical average minus one standard deviations in 2013-2014	7	7	8	7	7	5	4	8
B2. Primary balance is at historical average minus one standard deviations in 2013-2014	7	7	8	7	7	5	4	7
B3. Combination of B1-B2 using one half standard deviation shocks	7	7	8	7	7	5	4	8
B4. One-time 30 percent real depreciation in 2013	7	8	9	8	8	6	5	9
B5. 10 percent of GDP increase in other debt-creating flows in 2013	7	7	8	8	6	4	4	7

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.