

SOLOMON ISLANDS

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STAFF REPORT FOR THE 2016 ARTICLE IV CONSULTATION AND FIFTH AND SIXTH REVIEWS UNDER THE EXTENDED CREDIT FACILITY ARRANGEMENT—DEBT SUSTAINABILITYANALYSIS¹

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Debt sustainability analysis indicates that Solomon Islands faces moderate risk of external debt distress, consistent with the last assessment in 2013. Under the baseline scenario, all external and public debt indicators remain below the relevant sustainability thresholds. However, the alternative scenarios suggest that this baseline is subject to significant risks, particularly a shock to financing terms and one where growth is permanently lower. The DSA has been extended to incorporate risks from natural disasters and climate change, drawing on cost estimates from recent events in the region. Under an alternative scenario of a single extreme weather event, debt remains sustainable. However, such events occur on average every 10 years and multiple events could pose a risk to debt sustainability over the 20-year DSA horizon. This risk can be mitigated by infrastructure investment and a buildup of cash reserves.

¹ The DSA was prepared by R. Sean Craig and Yiqun Wu with contributions from Chandana Kularatne.

RECENT DEBT DEVELOPMENTS

1. Fiscal buffers have been rebuilt in the Solomon Islands in recent years. Public debt fell sharply to 17 percent of GDP at end-2012 from about 60 percent in 2005 under the Honiara Club Framework,

which prohibited new borrowing. Since 2012, the country's' debt position has registered one of the strongest gains in the region (Figure on gross debt in Pacific Small States). This reflects a new debt management strategy, adopted by the government in May 2012, that allowed external borrowing to resume and provided an anchor to ensure that debt remained at prudent levels by setting an annual government external borrowing limit of SI\$300 million (3 percent of GDP). Government external borrowing remained well below this limit and external debt has continued to fall to about 10 percent of GDP by end-2015. This partly



reflected delays in a number of planned investment projects, including the undersea cable project and the electricity network upgrade. In December 2015, the government also repaid the entire stock of domestic debt, worth SI\$99.5 million (US\$12.2 million) using cash reserves, reducing total public debt to 10.4 percent of GDP at the end of 2015. Looking forward, possible fiscal anchors for the Solomon Islands are targets for cash reserves and the non-commodity primary budget balance, which is used in the DSA and discussed in the staff report. Debt sustainability benefits come from improvements in public financial management (PFM), which should continue to enhance revenue mobilization and the quality of spending.²

DSA ASSUMPTIONS

2. The macroeconomic assumptions in the DSA reflect developments through end-2015. They underpin the projection that starts in 2016 and runs for 20 years. These include a reduction in donor support, a gradual decline in forestry output, and a prolonged closure of the Gold Ridge Mine, all of which contribute to deterioration in the trade and current account balances in the medium term. The discount rate used to calculate the net present value (NPV) of external debt remains at 5 percent. The key assumptions are:

• **Growth.** Long-term growth is maintained at between 3 and 3½ percent under cautious assumptions and is somewhat lower than growth set out in the authorities' development plans. Positive growth spillovers are assumed to result from planned increases in development investment, reflected in capital spending, which helps counteract the expected long-term fall in forestry and minerals sector.

² There is considerable scope to strengthen tax administration given that, for example, only 187 people account for 70 percent of income tax revenues. This effort is being supported by the donors and the IFIs, particularly by the IMF's Technical Assistance Center in the Pacific, PFTAC, which has emphasized efforts to strengthen PFM.

- Non-interest current account deficit. The deficit is expected to increase to close to 7.5 percent of GDP by 2017 from around 2 percent in 2015, reflecting a number of importintensive projects in the pipeline—the Tina River Hydropower Project (TRHP), the undersea cable and Soltuna—as well as lower exports from the delay in reopening the Gold Ridge Mine until 2020. Also contributing to an improvement in the balance after 2020 is an assumed fall in fuel imports of 25 percent as TRHP comes on line that year.
- **External borrowing.** External borrowing in 2015 helped finance the electricity network upgrade, and should occur in 2016 and 2017, partly to finance the undersea fiber optic cable. Concessional borrowing is projected to average about 2¹/₂ percent of GDP annually over the next five years and 3.2 percent of GDP over the longer term. The effective interest rate on external borrowing is around 1.5 percent in line with rates on concessional lending from the multilateral development banks and donors.
- **Fiscal anchor and outlook.** The non-commodity primary fiscal balance is used as the fiscal anchor, which is set at a 2.5 percent deficit over the medium and long term. This results in a rising primary fiscal surplus that peaks at 2.6 percent of GDP in 2025 and then declines, turning into a small deficit by the end of that decade as commodity revenues decline with grants, logging and mining revenues projected to fall a share of GDP. This contributes to a buildup in cash reserves (reflected in the DSA residual) that is then run down. Grant-funded development expenditure is projected to decline and only be partially substituted for by external borrowing. Revenues (excluding grants) are forecast to fall to about 30 percent of GDP over the medium and long term with the decline in commodity-related revenues.³
- Aid flows and FDI. Aid flows are expected to average about 13.5 percent of GDP over the medium term—down from the 19 percent of GDP assumed in 2013. In the long term, aid declines to about 10 percent of GDP even though the level continue to rise in nominal and real terms. Historic and projected FDI numbers have been revised down substantially since 2013, largely due to improvements in data.⁴ Net FDI is now projected to be around 3½ percent of GDP over the medium to long term. The part of the current account deficit not financed by aid and FDI flows is assumed to be financed by external borrowing.
- Logging and mining. Logging output is expected to decline by about 4 percent per year on average until 2025 and then to stabilize at this lower level. Gold Ridge Mine is expected to remain closed until 2020, owing to persistently low gold prices and the high cost of resuming operations after the flood damage. After reopening, production is assumed to peak at 62,000 ounces per annum in 2023 and then to run down gradually. It is assumed to run for 10 years with a cumulative output of 465,000, significantly lower than assumed in 2013 before the flood which, together with lower gold prices, probably reduced capacity.

³ This represents a substantial improvement from the decline in revenues to 27 percent of GDP assumed in the 2013 DSA and reflects the benefit of PFM reforms that are underway.

⁴ Following recent TA, historic FDI data has been aligned with BPM 6 standards, to re-categorize net losses as negative reinvested earnings; TA also identified weaknesses in survey methodologies that led to a significant overestimation of FDI flows.

Box 1. Solomon Islands: Incorporating Climate Change and Extreme Weather Shocks into the DSA

The Pacific Island states are particularly exposed to climate change and vulnerable to extreme weather events, which climatologists warn may be worsened by climate change. To provide effective policy advice, these major long term costs and risks need to be quantified and incorporated into an analytic framework—which the DSA provides—to assess how they will impact countries' fiscal position and external debt sustainability.

This assessment draws on research that estimates both the recurrent cost of climate change and of the frequency and cost of natural disasters.¹ The recurrent cost of mitigating the effects of climate change is estimate at around 0.5 percent of GDP per year and is reflected in the DSA baseline. This cost is assumed to be covered from government resources (i.e. not by additional borrowing) and to be divided between the recurrent budget (0.2 percent of GDP) and development budget that finances ongoing capital expenditures for climate change adaptation (0.3 percent of GDP). The extreme natural disaster shock is incorporated in the DSA as a new adverse scenario that results in losses and damage of around 15 percent of GDP and reflected in a fall in real GDP growth of roughly 7.5 percentage points in the year of the disaster, a deterioration of fiscal balance of about 7.5 percent of GDP in the year after the disaster, and about 15 percent of GDP of additional external public debt.

The DSA, by design, includes only one extreme weather natural disasters as a scenario over its 20 year horizon. However, more than one extreme weather event is possible over this period, in which case extreme weather could have a significantly larger cumulative effect on debt sustainability than the DSA results show (Figure 2). In preparation for such events, countries need to have the capacity to mobilize large resources quickly at infrequent intervals, which they can do by building up a substantial cash buffer over time that they can draw down. Also, infrastructure investment to build resilience to reduce the cost of extreme weather events becomes more important in light of this higher frequency. The Article IV Staff Report discusses the design of a medium term fiscal framework and anchor to support these efforts and contain the risks to debt sustainability from climate change and extreme weather.

¹ Estimates are reported in Cabezon, Hunter, Tumbarello, Washimi, and Wu (WP/15/125). This working paper draws on the Pacific Catastrophe Risk Assessment and Financing Initiative (PCRAFI) report (2013) prepared by the World Bank, other IFIs, and regional donors.

[•] **Tina River Hydropower Project.** This project involves a government guarantee of around US\$150 million (12 percent of GDP) to cover a power purchase agreement (PPA) between the project developers and Solomon Islands Electricity Authority (SIEA). Since PPAs are not typical financial instruments, the guarantee is not recorded on the government balance sheet or in the DSA baseline. However, a customized scenario captures the full materialization of this contingent liability in which SIEA is unable to make the PPA payment and government steps in to pay the full PPA amount, estimated to be US\$20 million per year (a "worst-case" scenario). This is reflected in higher public expenditure, resulting in a larger fiscal deficit over the 30-year contract period and higher public debt.

EXTERNAL AND PUBLIC DEBT SUSTAINABILITY ANALYSIS

3. External Debt Sustainability Analysis. Under the baseline scenario, all external Public and Publicly Guaranteed (PPG) debt indicators remain below the policy relevant thresholds. Total external debt is projected to gradually increase from 13 percent in 2015 to 36 percent of GDP over the long term while PPG external debt is projected to rise to around 34 percent of GDP. This rise is driven largely by the financing of infrastructure investment, of which an increasing share if financed by concessional debt rather than grants. This represents an improvement from the last DSA, reflecting a lower-than-expected resumption in external concessional borrowing since 2013.⁵ All indicators of sustainability (i.e. total and PPG debt as a ratio of GDP or revenues or in present value (PV) terms, and external debt servicing) remain well below the indicative thresholds. The PV of PPG debt in terms of export ratios remains below the indicative threshold of 100 percent, but rises from around 16 to 67 percent owing to the declining trend in commodity exports. Sensitivity analysis highlights two risks to external debt sustainability, also identified in the 2013 DSA. These correspond to a shock to financing terms – a rise in interest rates on new borrowing of 2 percentage points – that leads to a breach in the threshold for ratios of PV of PPG external debt to GDP (of 30 percent), and a negative export shock (Table 2).

4. **Public Debt Sustainability Analysis.** Public debt remains below the threshold for debt sustainability under the baseline scenario (Figure 2). However, sensitivity analysis also reveals that public debt sustainability remains vulnerable to shocks, particularly to the extreme shock of permanently lower growth and the fix-primary deficit scenarios (which "fixes" this deficit at its recent, expansionary, level relative to the baseline, which has some consolidation). In both scenarios, the PV of debt to GDP ratio breaches the 38 percent of GDP benchmark threshold by the end of the next decade. In the extreme shock scenario, the PV of debt to revenue ratio rises to 169 percent of GDP by 2036. Scenario analysis suggests that if the TRHP PPA contingent liability materializes, the impact on public debt would be manageable (Figure 2), with relatively small effects on the PV of debt to GDP, revenue and debt service to revenue indicators. This contributes to a rise in the PV of debt to GDP rises from 7 to 30 percent, about 7 percentage points above the baseline, but it stays below the 38 percent benchmark. Similarly, the natural disaster shock discussed above results in a sharp, near term rise in the PV of debt to GDP that diminishes as growth rebounds and remains below the benchmark (Figure 2).

⁵ The reflect the fact that part of the current account deficit has been financed through the aid in kind for capital projects from donors, which are expected to be scaled back, and contributes to a shift from negative to positive residuals at the start of the projection in Table 1 (i.e. these inflows are reflected in capital account but are not captured in net debt-creating flows in the Table, which only correct for FDI inflows; and, thus, are reflected directly in the residual.)

CONCLUSIONS

5. **The current DSA suggests that the Solomon Islands continue to face a moderate risk of debt distress, consistent with the 2013 DSA.** ⁶ Although there is no breach of thresholds under the baseline, external debt does rise above the debt to GDP and exports thresholds in the long run under some scenarios. Overall, the analysis demonstrates the vulnerability of public debt sustainability to external financing, fiscal and growth shocks; and, conversely, the contribution of donor funding and FDI to debt sustainability. This highlights the need for to maintain a prudent fiscal policy. Borrowing that leads to a buildup in debt should therefore remain cautious, targeting projects that broaden the export base and strengthen potential growth (e.g. infrastructure investment) and increase resilience of debt sustainability to shocks.

6. **The DSA has been extended to incorporate the effects of extreme weather events and climate change in both the baseline and alternative scenarios.** The baseline now includes the recurrent fiscal costs of climate change, estimated at 0.5 percent of GDP per year, which includes infrastructure investment to protect against adverse weather. The natural disaster shock scenario assumes losses of 15 percent of GDP; involving a sharp, temporary fall in GDP, and large, one-off reconstruction outlays. The DSA finds that external and public debt remains sustainable under this scenario. However, in interpreting this finding, it is important to recognize that the DSA includes only one instance of each shock over its 20 year horizon, and that multiple extreme weather events are possible over this period in light of their 10 year average frequency (Box 1). Policy, therefore, needs to prepare for the possibility of multiple extreme weather events that could have a significantly larger cumulative effect on debt sustainability than the DSA results show.

⁶ Solomon Islands is classified as having weak policies and institutions based on its three-year average CPIA score of 2.94. While this is a slight improvement on the 2013 average score of 2.89, which informed the previous DSA, it remains below the 3.25 threshold required for classification as medium policy performer.

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|---|---|--------|-------|--------|------------|--------------------------------------|-------|--------|--------|--------|------------|--------|----------------------|-------------|-------------|----------------------|
| $ \begin{array}{ c c c c c c c c c c c c c c c c c c c$ | | A | ctual | | Historical | ^{6/} Standard ^{6/} | | | Proje | ctions | | | 2016 2021 | | | 2022 2026 |
| Internal M Interna | | 2013 | 2014 | 2015 | Average | Deviation | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2016-2021 Average | 2026 | 2036 | 2022-2036 Average |
| or of making punctured (PPG) 113 104 9.8 4.8 9.4 107 12.2 1.6 1.6.3 7.25 3.0 Definition definit 2.7 3.9 0.7 1.0 8.0 3.2 2.4 2.2 3.0 0.0 1.0 | External debt (nominal) 1/ | 19.6 | 19.5 | 12.9 | | | 12.1 | 15.5 | 18.7 | 21.2 | 23.9 | 25.8 | | 32.3 | 36.4 | |
| Change network debt -1.8 -0.1 -6.6 -0.8 3.4 31 2.6 1.9 1.2 -0.2 Non-interest current account deficit 2.9 3.8 2.1 10.8 1.6 4.2 7.5 5.5 2.7 5.4 3.8 1.3 1.2 0.2 1.5< | of which: public and publicly guaranteed (PPG) | 11.3 | 10.4 | 9.8 | | | 8.4 | 9.4 | 10.7 | 12.2 | 14.0 | 16.3 | | 25.6 | 34.0 | |
| Liter inform 12 13 23 24 22 1-0 0.0 10.8 Deriverse 12.5 10.1 82 8.5 11.2 10.1 10.2 10.3 8.3 8.1 10.1 10.3 8.3 8.3 10.0 10.3 Derivers 12.5 10.1 8.2 8.5 11.2 10.1 8.3 8.3 8.3 10.0 13.7 Other sector 10.0 8.3 7.7 6.4 7.7 6.7 7.7 7.0 7.7 7.0 7.7 7.0 7.7 7.0 7.7 7.0 7.7 7.0 7.7 7.0 | Change in external debt | -1.8 | -0.1 | -6.6 | | | -0.8 | 3.4 | 3.1 | 2.6 | 2.6 | 1.9 | | 1.2 | -0.2 | |
| Non-interest current accound deficit 29 3.8 21 10.8 10.6 47.8 7.5 | Identified net debt-creating flows | -2.7 | 1.9 | 0.7 | | | 1.0 | 3.9 | 3.2 | 2.4 | 2.2 | -1.0 | | 0.1 | 10.8 | |
| Deficit halance of goods and services 12.5 10.1 8.2 | Non-interest current account deficit | 2.9 | 3.8 | 2.1 | 10.8 | 10.6 | 4.2 | 7.5 | 6.7 | 5.7 | 5.5 | 2.7 | 5.4 | 3.9 | 14.7 | 6.1 |
| Imports 51.6 49.2 24.6 -44.8 35.7 -51.3 52.7 51.3 52.7 57.4 7.4 7.6 7.7 7.0 7.3 7.4 7.5 7.7 7.0 7.3 7.4 7.5 7.7 7.0 7.3 7.4 7.5 7.7 7.0 7.3 7.4 7.5 7.7 7.0 7.3 7.4 7.5 7.7 7.0 7.3 7.4 7.5 7.7 7.0 7.3 7.4 7.5 7.7 7.0 7.3 7.4 7.5 7.5 7.4 7.5 7.4 7.5 7.4 7.5 7.4 7.5 7.5 7.6< | Deficit in balance of goods and services | 12.5 | 10.1 | 8.2 | | | 8.5 | 11.9 | 11.2 | 10.1 | 9.8 | 8.3 | | 10.1 | 15.7 | |
| Imports 662 533 527 527 510 674 474 750 475 76 77 476 76 77 476 77 470 780 721 490 711 411 733 720 710 717 477 476 73 700 717 470 73 700 73 700 73 700 73 700 73 700 73 700 73 700 73 700 73 700 73 700 74 74 74 75 75 75 75 75 75 | Exports | 51.6 | 49.2 | 44.6 | | | 42.8 | 40.8 | 39.8 | 39.9 | 39.6 | 41.0 | | 40.2 | 32.5 | |
| Internet transfers (negative = inflow) 110 7.67 6.1 7.9 7.6 7.7 7.6 | Imports | 64.2 | 59.3 | 52.7 | | | 51.3 | 52.7 | 51.0 | 50.0 | 49.4 | 49.4 | | 50.3 | 48.2 | |
| of whice difficial -100 45 7.0 -7.0 -7.0 -6.7 -6.4 -6.5 -7.2 -0.9 Net D(negative = net inflow) -4.5 1.1 -3.0 3.1 | Net current transfers (negative = inflow) | -10.7 | -8.9 | -7.2 | -15.6 | 6.0 | -8.1 | -7.9 | -7.6 | -7.5 | -7.4 | -7.6 | -7.7 | -9.0 | -3.1 | -7.9 |
| Det current account flows (negative = net inflow) 11. 2.6 1.1 38. 3.5 3.1 | of which: official | -10.0 | -8.6 | -7.0 | | | -7.6 | -7.3 | -7.0 | -6.7 | -6.4 | -6.5 | | -7.2 | -0.9 | |
| Net Dl (negative = inflwo) 4.5 4.8 2.0 9.0 7.1 8.1 8.3 8.3 7.3 < | Other current account flows (negative = net inflow) | 1.1 | 2.6 | 1.1 | | | 3.8 | 3.5 | 3.1 | 3.1 | 3.1 | 2.0 | | 2.8 | 2.1 | |
| Image Image <th< td=""><td>Net FDI (negative = inflow)</td><td>-4.5</td><td>-1.8</td><td>-2.0</td><td>-9.0</td><td>7.1</td><td>-3.1</td><td>-3.5</td><td>-3.4</td><td>-3.3</td><td>-3.3</td><td>-3.7</td><td>-3.4</td><td>-3.5</td><td>-3.3</td><td>-3.4</td></th<> | Net FDI (negative = inflow) | -4.5 | -1.8 | -2.0 | -9.0 | 7.1 | -3.1 | -3.5 | -3.4 | -3.3 | -3.3 | -3.7 | -3.4 | -3.5 | -3.3 | -3.4 |
| Carchibulion from mail interest rate 0.5 0.5 0.6 0.2 0.3 0.4 0.5 0.6 0.7 0.1 0.1 Contribution from mice and exchange rate changes 1.0 0.4 0.7 0.5 0.0 0.7 0.6 0.7 0.7 0.6 Residual (3-1) 0.7 0.5 0.0 <td>Endogenous debt dynamics 2/</td> <td>-1.1</td> <td>-0.2</td> <td>0.7</td> <td></td> <td></td> <td>-0.1</td> <td>-0.1</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> <td>-0.1</td> <td></td> <td>-0.3</td> <td>-0.7</td> <td></td> | Endogenous debt dynamics 2/ | -1.1 | -0.2 | 0.7 | | | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | -0.1 | | -0.3 | -0.7 | |
| Contribution from reite and cchanges and changes and change | Contribution from nominal interest rate | 0.5 | 0.5 | 0.6 | | | 0.2 | 0.3 | 0.4 | 0.5 | 0.6 | 0.7 | | 0.7 | 0.6 | |
| Catchbulk from price and exchange rate changes 1-0 < | Contribution from real GDP growth | -0.6 | -0.4 | -0.6 | | | -0.4 | -0.4 | -0.4 | -0.5 | -0.6 | -0.7 | | -1.0 | -1.3 | |
| Residual (3-9) 3/ 0.0 <td>Contribution from price and exchange rate changes</td> <td>-1.0</td> <td>-0.4</td> <td>0.7</td> <td></td> | Contribution from price and exchange rate changes | -1.0 | -0.4 | 0.7 | | | | | | | | | | | | |
| of which exceptional financing 0.0 | Residual (3-4) 3/ | 0.9 | -1.9 | -7.3 | | | -1.7 | -0.5 | 0.0 | 0.2 | 0.5 | 3.0 | | 1.1 | -11.0 | |
| PV of external debt 4/ <t< td=""><td>of which: exceptional financing</td><td>0.0</td><td>0.0</td><td>0.0</td><td></td><td></td><td>0.0</td><td>0.0</td><td>0.0</td><td>0.0</td><td>0.0</td><td>0.0</td><td></td><td>0.0</td><td>0.0</td><td></td></t<> | of which: exceptional financing | 0.0 | 0.0 | 0.0 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | 0.0 | 0.0 | |
| In percent of exports 22.9 22.1 31.0 38.0 42.4 47.4 48.0 56.6 74.7 In percent of exports 16.0 11.4 16.1 18.0 19.8 22.4 24.9 38.8 67.2 In percent of exports 20.6 71.7 8.8 10.2 144.8 70.1 70.8 70.8 70.1 70.8 70.8 70.1 70.8 70.1 70.8 70.1 70.8 70.1 70.8 70.1 70.8 70.1 70.8 70.1 70.8 70.1 70.8 70.1 70.8 70.1 70.8 70.1 70.8 70.1 70.8 70.1 70.8 70.1 70.8 70.1 70.8 70.1 70.1 70.8 70.1 70.1 70.8 70.1 70.1 70.1 70.8 70.1 | PV of external debt 4/ | | | 10.2 | | | 9.9 | 12.7 | 15.1 | 16.9 | 18.8 | 19.7 | | 22.7 | 24.3 | |
| PV of PC external debt T.1 6.2 6.6 7.1 7.9 8.8 10.2 16.0 21.8 In precent of government revenues 20.6 19.5 20.8 22.5 24.8 23.0 32.1 47.8 70.1 Debt service-to-exports ratio (in percent) 1.4 1.6 1.6 1.6 1.3 1.3 1.6 3.5 PPG debt service-to-exports ratio (in percent) 2.1 2.3 2.0 2.6 2.6 2.3 2.1 1.7 1.9 3.6 Total gross financing eed (Millions of U.S. dolars) -2.5 40.4 1.00 2.90 6.5 3.5 3.5 3.7 3.8 4800 Cold growth (in percent) 3.0 2.0 3.3 4.5 4.5 3.0 3.3 3.0 | In percent of exports | | | 22.9 | | | 23.1 | 31.0 | 38.0 | 42.4 | 47.4 | 48.0 | | 56.6 | 74.7 | |
| In precent of exports . | PV of PPG external debt | | | 7.1 | | | 6.2 | 6.6 | 7.1 | 7.9 | 8.8 | 10.2 | | 16.0 | 21.8 | |
| In precent of government revenues | In percent of exports | | | 16.0 | | | 14.4 | 16.1 | 18.0 | 19.8 | 22.4 | 24.9 | | 39.8 | 67.2 | |
| Debt service-to-exports ratio (in percent) 1.7 2.9 3.6 3.2 3.4 3.6 3.3 3.3 3.3 3.3 3.3 3.3 3.4 3.6 4.7 PPG debt service-to-exports ratio (in percent) 2.1 2.3 2.0 2.6 2.6 2.3 2.1 1.7 1.7 1.7 1.7 1.8 3.6 Total gross financing need (Millions of U.S. dollars) -2.5 4.04 19.0 2.9 6.6 6.15 5.33 5.15 5.7 3.38 48.0 Non-interest current account deficit that stabilizes debt ratio 4.8 3.9 8.7 5.0 4.1 3.5 3.3 3.0 3.0 3.2 3.1 3.4 3.8 4.50 Cold DP drowth (in percent) 3.0 2.0 3.3 3.0 3.0 3.0 3.2 3.1 3.4 3.8 2.3 3.7 3.7 5.7 5.6 1.7 1.8 1.8 2.5 3.0 3.3 3.0 3.0 3.2 3.1 3.4 3.8 3.4 3.8 3.7 3.6 4.1 3.2< | In percent of government revenues | | | 20.6 | | | 19.5 | 20.8 | 22.5 | 24.8 | 28.0 | 32.1 | | 47.8 | 70.1 | |
| PPG debt service-to-exports ratio (in percent) 1.4 1.6 1.3 1.3 1.3 1.6 1.5 3.5 PPG debt service-to-exports ratio (in percent) 2.1 2.3 2.0 2.6 2.6 2.6 2.8 2.1 1.7 1.7 1.9 3.6 Total gross financing need (Millions of U.S. dollars) -2.5 40.4 1.9 2.6 2.6 2.8 2.8 0.8 2.8 1.8 1.3 | Debt service-to-exports ratio (in percent) | 2.7 | 2.9 | 3.6 | | | 3.2 | 3.4 | 3.6 | 3.5 | 3.3 | 3.3 | | 3.0 | 4.7 | |
| PPG debt service-to-revenue ratio (in percent) 2.1 2.1 2.1 7.1 1.7 1.7 1.7 1.9 3.6 Total gross financing need (Millions of U.S dollar) -25 40.4 19.0 29.9 66.5 61.5 53.3 51.5 57.7 33.8 480.0 Non-interest current account deficit that stabilizes debt ratio 4.8 3.9 8.7 50 4.1 3.5 5.7 33.8 480.0 Key macroeconomic assumptions . | PPG debt service-to-exports ratio (in percent) | 1.4 | 1.6 | 1.6 | | | 1.9 | 2.0 | 1.9 | 1.6 | 1.3 | 1.3 | | 1.6 | 3.5 | |
| Total gross financing need (Millions of U.S. dollars) -2.5 40.4 19.0 29.9 68.5 61.5 53.3 5.7 33.8 480.0 Non-interest current account deficit that stabilizes debt ratio 4.8 3.9 8.7 5.0 4.1 3.5 3.2 2.8 0.8 2.8 15.0 Key macceconomic assumptions 3.0 2.0 3.3 4.5 4.5 3.0 <td>PPG debt service-to-revenue ratio (in percent)</td> <td>2.1</td> <td>2.3</td> <td>2.0</td> <td></td> <td></td> <td>2.6</td> <td>2.6</td> <td>2.3</td> <td>2.1</td> <td>1.7</td> <td>1.7</td> <td></td> <td>1.9</td> <td>3.6</td> <td></td> | PPG debt service-to-revenue ratio (in percent) | 2.1 | 2.3 | 2.0 | | | 2.6 | 2.6 | 2.3 | 2.1 | 1.7 | 1.7 | | 1.9 | 3.6 | |
| Non-interest current account deficit that stabilizes debt ratio 4.8 3.9 8.7 5.0 4.1 3.5 3.2 2.8 0.8 2.8 15.0 Key macroeconomic assumptions Real GDP growth (in percent) 3.0 2.0 3.3 4.5 4.5 3.0 3.0 3.0 3.0 3.0 3.0 3.2 2.8 1.8 2.5 3.0 0.3 1.8 2.0 3.3 4.5 4.5 5.0 4.1 1.8 2.5 3.0 0.3 1.8 2.0 3.4 4.8 2.0 3.4 4.8 2.0 3.3 3.0 3.0 3.0 3.0 3.0 3.0 3.2 2.8 5.3 7.3 1.8 1.2 2.9 2.0 0.6 0.3 2.1 5.8 5.3 7.3 3.6 4.4 4.4 Growth of imports of G&S (US dollar terms, in percent) 7.11 1.99 16.4 2.59 0.6 0.3 2.1 5.8 5.3 7.3 3.16 41.3 44.3 44.3 44.3 44.3 44.3 44.3 44.3 | Total gross financing need (Millions of U.S. dollars) | -2.5 | 40.4 | 19.0 | | | 29.9 | 68.5 | 61.5 | 53.3 | 51.5 | 5.7 | | 33.8 | 480.0 | |
| Key macroeconomic assumptions Real GDP growth (in percent) 3.0 2.0 3.3 4.5 4.5 3.0 3.0 3.0 3.0 3.2 3.1 3.4 3.8 2.5 GDP deflator in US dollar terms (hang in percent) 2.7 2.7 2.9 2.0 2.9 2.9 2.6 2.3 1.7 2.2 Growth of inports of G&S (US dollar terms, in percent) 7.3 1.1 7.9 1.64 2.5.9 0.6 0.3 2.1 5.8 5.3 7.3 3.6 4.5 4.8 Growth of inports of G&S (US dollar terms, in percent) 7.1 1.616 2.5.9 0.6 0.3 2.1 5.8 5.3 7.3 3.6 4.5 4.8 Growth of inports of G&S (US dollar terms, in percent of GDP) 3.1 3.2 3.4 4.3 | Non-interest current account deficit that stabilizes debt ratio | 4.8 | 3.9 | 8.7 | | | 5.0 | 4.1 | 3.5 | 3.2 | 2.8 | 0.8 | | 2.8 | 15.0 | |
| Real GDP growth (in percent) 3.0 2.0 3.3 4.5 4.5 3.0 | Key macroeconomic assumptions | | | | | | | | | | | | | | | |
| GDP deflator in US dollar terms (change in percent) 51 1.9 -3.7 5.7 5.6 1.7 1.8 1.8 2.5 3.0 0.3 1.8 2.0 3.4 2.5 Effective interest rate (percent) 5/ 2.7 2.7 2.9 2.5 0.4 1.9 2.3 2.7 2.9 2.1 | Real GDP growth (in percent) | 3.0 | 2.0 | 3.3 | 4.5 | 4.5 | 3.0 | 3.3 | 3.0 | 3.0 | 3.0 | 3.2 | 3.1 | 3.4 | 3.8 | 3.5 |
| Effective interest rate (percent) \$/ 27 2.7 2.9 2.5 0.4 1.9 2.3 2.7 2.9 2.4 2.4 <td>GDP deflator in US dollar terms (change in percent)</td> <td>5.1</td> <td>1.9</td> <td>-3.7</td> <td>5.7</td> <td>5.6</td> <td>1.7</td> <td>1.8</td> <td>1.8</td> <td>2.5</td> <td>3.0</td> <td>0.3</td> <td>1.8</td> <td>2.0</td> <td>3.4</td> <td>2.5</td> | GDP deflator in US dollar terms (change in percent) | 5.1 | 1.9 | -3.7 | 5.7 | 5.6 | 1.7 | 1.8 | 1.8 | 2.5 | 3.0 | 0.3 | 1.8 | 2.0 | 3.4 | 2.5 |
| Growth of exports of G&BC (US dollar terms, in percent) 7.3 -1.1 -9.9 16.4 25.9 0.6 0.3 2.1 5.8 5.3 7.3 3.6 4.8 4.8 Growth of imports of G&BC (US dollar terms, in percent) 12.1 -4.0 -11.6 15.6 25.2 2.0 7.9 1.5 3.5 4.8 3.43 43.3 <td>Effective interest rate (percent) 5/</td> <td>2.7</td> <td>2.7</td> <td>2.9</td> <td>2.5</td> <td>0.4</td> <td>1.9</td> <td>2.3</td> <td>2.7</td> <td>2.9</td> <td>2.9</td> <td>2.9</td> <td>2.6</td> <td>2.3</td> <td>1.7</td> <td>2.1</td> | Effective interest rate (percent) 5/ | 2.7 | 2.7 | 2.9 | 2.5 | 0.4 | 1.9 | 2.3 | 2.7 | 2.9 | 2.9 | 2.9 | 2.6 | 2.3 | 1.7 | 2.1 |
| Growth of imports of G&BX (US dollar terms, in percent) 121 -4.0 -1.16 15.6 25.2 2.0 7.9 1.5 3.5 4.8 3.4 3.9 6.1 6.4 9 Grant element of new public sector borrowing (in percent) 30.9 44.3 44.3 44.3 44.0 44.3 <td>Growth of exports of G&S (US dollar terms, in percent)</td> <td>-7.3</td> <td>-1.1</td> <td>-9.9</td> <td>16.4</td> <td>25.9</td> <td>0.6</td> <td>0.3</td> <td>2.1</td> <td>5.8</td> <td>5.3</td> <td>7.3</td> <td>3.6</td> <td>4.5</td> <td>4.8</td> <td>4.4</td> | Growth of exports of G&S (US dollar terms, in percent) | -7.3 | -1.1 | -9.9 | 16.4 | 25.9 | 0.6 | 0.3 | 2.1 | 5.8 | 5.3 | 7.3 | 3.6 | 4.5 | 4.8 | 4.4 |
| Grant element of new public sector borrowing (in percent) < | Growth of imports of G&S (US dollar terms, in percent) | 12.1 | -4.0 | -11.6 | 15.6 | 25.2 | 2.0 | 7.9 | 1.5 | 3.5 | 4.8 | 3.4 | 3.9 | 6.1 | 6.4 | 5.8 |
| Government revenues (excluding grants, in percent of GDP) 341 332 347 316 316 318 317 316 319 335 311 Aid flows (in Willions of US dollars) 7/ 1973 1702 1314 1462 1476 186 1509 154.5 152.4 172.0 178.1 of which: Grants 1973 1702 131.4 1462 147.6 186.6 150.9 154.5 152.4 172.0 178.1 of which: Grants 0.0 0.0 0.0 0.0 27.4 31.4 36.0 41.8 49.1 64.5 118.0 Grant-equivalent financing (in percent of GDP) 8/ 122 126 12.3 11.9 13.4 86.4 90.9 84.8 77.8 82 Memorandum items: | Grant element of new public sector borrowing (in percent) | | | | | | 30.9 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 42.0 | 44.3 | 44.3 | 44.3 |
| Aid flows (in Millions of US dollars) // 1973 1702 131.4 146.2 17.5 180.0 186.4 201.6 286.5 296.0 of which: Grants 1973 1702 131.4 146.2 17.5 180.0 186.4 201.6 286.5 296.0 of which: Grants 1973 1702 131.4 146.2 17.5 184.6 150.9 154.5 152.4 172.0 178.1 of which: Concessional loans 0.0 0.0 0.0 27.4 31.4 46.0 14.8 49.1 64.5 118.0 Grant-equivalent financing (in percent of GDP) 8/ 12.2 12.6 12.3 11.9 11.7 11.3 12.0 9.9 6.2 82.5 Memorandum items: 99.9 9.3 80.3 88.1 86.4 90.9 84.8 77.8 82.0 Nominal dollar GDP growth 8.3 3.9 -0.6 4.8 5.1 4.9 5.6 6.1 3.5 5.0 5.5 7.4 6.0 | Government revenues (excluding grants, in percent of GDP) | 34.1 | 33.2 | 34.7 | | | 31.6 | 31.6 | 31.8 | 31.7 | 31.6 | 31.9 | | 33.5 | 31.1 | |
| of which: Connessional Joint 19/2 13/4 14/6 16/6 14/6 14/6 | Aid flows (in Millions of US dollars) 7/ | 197.3 | 170.2 | 131.4 | | | 146.2 | 175.0 | 180.0 | 186.9 | 196.4 | 201.6 | | 236.5 | 296.0 | |
| of winch: Corressional idans 0.0 0.0 0.0 27.4 51.4 30.0 41.8 49.1 64.5 18.0 Grant-equivalent financing (in percent of GDP) 8/ 12.2 12.6 12.3 11.9 11.7 11.3 12.0 9.9 6.2 & Grant-equivalent financing (in percent of external financing) 8/ 99.9 91.3 90.3 89.3 88.1 86.4 90.9 84.8 77.8 & & A <td< td=""><td>of which: Grants</td><td>197.3</td><td>1/0.2</td><td>131.4</td><td></td><td></td><td>146.2</td><td>147.6</td><td>148.6</td><td>150.9</td><td>154.5</td><td>152.4</td><td></td><td>1/2.0</td><td>1/8.1</td><td></td></td<> | of which: Grants | 197.3 | 1/0.2 | 131.4 | | | 146.2 | 147.6 | 148.6 | 150.9 | 154.5 | 152.4 | | 1/2.0 | 1/8.1 | |
| Grant-equivalent financing (in percent of GDP) o/ 122 12.6 12.3 11.9 11.7 11.3 12.0 9.9 6.2 6.2 Grant-equivalent financing (in percent of external financing) 8/ 99.9 91.3 90.3 88.1 86.4 90.9 84.8 77.8 82 Memorandum items: 1201 126.8 132.5 139.3 1484.0 153.5.6 201.5.3 368.6 6 Nominal GDP (Millions of US dollars) 11105 1153.6 1147.2 1202.1 126.8 132.5 139.3 1484.0 153.5.6 201.5.3 368.6 Nominal dollar GDP growth 83 3.9 -0.6 4.8 5.1 4.9 5.6 6.1 3.5 5.0 5.5 7.4 6 PV of PPG external debt (in Millions of US dollars) 79.8 74.2 82.9 94.7 11.3 11.7 11.2 12.0 18.0 14.9 Gross workers' remittances (Millions of US dollars) 0.0 0.0 0.0 0.0 0.0 0.0 0. | of which: Concessional loans | 0.0 | 0.0 | 0.0 | | | 12.2 | 27.4 | 31.4 | 36.0 | 41.8 | 49.1 | 12.0 | 64.5 | 118.0 | |
| Memorandum items: Nominal GDP (Millions of US dollars) 1110.5 1153.6 1147.2 1202.1 1263.8 1325.4 1399.3 1484.0 153.5.6 2016.3 368.6 Nominal dollar GDP growth 8.3 3.9 -0.6 4.8 5.1 4.9 5.6 6.1 3.5 5.0 5.5 7.4 60 PV of PPG external debt (in Millions of US dollars) 79.8 74.2 82.9 94.7 110.3 131.3 157.1 322.4 80.49 (PV-PVF1)/SDPT-1 (in percent) -0.5 0.7 0.9 1.2 1.5 1.7 0.9 2.0 1.8 1.1 Gross workers' remittances (Millions of US dollars) 0.0 <td>Grant-equivalent financing (in percent of GDP) 8/ Grant-equivalent financing (in percent of external financing) 8/</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>99.9</td> <td>91.3</td> <td>90.3</td> <td>89.3</td> <td>88.1</td> <td>86.4</td> <td>90.9</td> <td>9.9 84.8</td> <td>б.2 77.8</td> <td>8.8</td> | Grant-equivalent financing (in percent of GDP) 8/ Grant-equivalent financing (in percent of external financing) 8/ | | | | | | 99.9 | 91.3 | 90.3 | 89.3 | 88.1 | 86.4 | 90.9 | 9.9 84.8 | б.2 77.8 | 8.8 |
| Nominal GOP (Millions of US dollars) 1110.5 1153.6 1147.2 12021 1263.8 1329.4 1399.3 148.0 153.6 2016.3 3686.6 Nominal dollar GDP growth 8.3 3.9 -0.6 4.8 5.1 4.9 5.6 6.1 3.5 5.0 5.5 7.4 6 PV of PPG external dobt (in Millions of US dollars) 79.8 74.2 82.9 94.7 110.3 157.1 0.9 322.4 804.9 (PV-FVt-1)/GDPt-1 (in percent) -0.5 0.7 0.9 1.2 1.5 1.7 0.9 2.0 1.8 1 Gross workers' remittances (Millions of US dollars) 0.0 <td>Memorandum items:</td> <td></td> | Memorandum items: | | | | | | | | | | | | | | | |
| Nominal GDF growth 8.3 3.9 -0.6 4.8 5.1 4.9 5.6 6.1 3.5 5.0 5.7 4 6 PV of PPG external debt (in Millions of US dollars) 79.8 74.2 82.9 94.7 110.3 131.3 157.1 322.4 804.9 (PV-t-1)/GDPt-1 (in percent) -0.5 0.7 0.9 1.2 1.5 1.7 0.9 2.0 1.8 1 Gross workers remittances (Millions of US dollars) 0.0 | Nominal GDP (Millions of LIS dollars) | 1110.5 | 11536 | 1147.2 | | | 12021 | 1263.8 | 1325.4 | 1300 3 | 1/18/1 (1) | 1535.6 | | 20163 | 3686.6 | |
| Transmittere US Site | Nominal dollar GDP growth | 22 | 3.0 | -0.6 | | | 4.8 | 5 1 | 49 | 56 | 61 | 35 | 5.0 | 55 | 7 / | 60 |
| VPL-PV-1/(DPC)-1(in percent) -0.5 0.7 0.9 1.5 1.7 0.9 2.0 1.8 1 Gross workers' remittances (Millions of US dollars) 0.0< | PV of PPG external debt (in Millions of LIS dollars) | 5.5 | 5.5 | 79.8 | | | 74.2 | 82.0 | 94.7 | 110 3 | 131 3 | 1571 | 5.0 | 322 / | 804.9 | 0.0 |
| Optimizing Optimiz | (PVt-PVt-1)/GDPt-1 (in nercent) | | | 10.0 | | | -0.5 | 07 | 0.9 | 12 | 151.5 | 17 | 0.9 | 20 | 1.8 | 10 |
| Bits Bits <td>Gross workers' remittances (Millions of US dollars)</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> <td></td> <td></td> <td>0.0</td> <td>0.7</td> <td>0.9</td> <td>0.0</td> <td>1.5</td> <td>1./</td> <td>0.5</td> <td>2.0</td> <td>1.0</td> <td>1.9</td> | Gross workers' remittances (Millions of US dollars) | 0.0 | 0.0 | 0.0 | | | 0.0 | 0.7 | 0.9 | 0.0 | 1.5 | 1./ | 0.5 | 2.0 | 1.0 | 1.9 |
| PV of PPG external debt (in percent of exports + remittances) 1.2 0.2 0.0 1.1 1.0 10.2 10.0 21.0 PV of PPG external debt (in percent of exports + remittances) 1.6 1.4.4 16.1 18.0 19.8 22.4 24.9 39.8 67.2 | PV of PPG external debt (in percent of GDP + remittances) | 0.0 | 0.0 | 71 | | | 6.2 | 6.6 | 71 | 70 | 8.8 | 10.2 | | 16.0 | 21.8 | |
| Profile Control Profile Profile <t< td=""><td>PV of PPG external debt (in percent of exports + remittances)</td><td></td><td></td><td>16.0</td><td></td><td></td><td>14.4</td><td>16.1</td><td>18.0</td><td>10.9</td><td>22.0</td><td>24.0</td><td></td><td>30.0</td><td>67.2</td><td></td></t<> | PV of PPG external debt (in percent of exports + remittances) | | | 16.0 | | | 14.4 | 16.1 | 18.0 | 10.9 | 22.0 | 24.0 | | 30.0 | 67.2 | |
| | Debt service of PDG external debt (in percent of exports + remittances) | | | 16 | | | 10 | 20.1 | 10.0 | 1.5.0 | 1 2 | 1 2 3 | | 16 | 3 5 | |

Table 1. Solomon Islands: External Debt Sustainability Framework, Baseline Scenario, 2013-2036 1/

Sources: Country authorities; and staff estimates and projections.

1/ Includes both public and private sector external debt.

2/ Derived as $[r - g - \rho(1+g)]/(1+g+p+g)$ times previous period debt ratio, with r = nominal interest rate; g = real GDP growth rate, and $\rho =$ 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. For projections also includes contribution from price and exchange rate changes. 4/ Assumes that PV of private sector debt is equivalent to its face value.

S Current-year interest payments divided by previous period debt stock.
 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 2. Solomon Islands: Sensitivity Analysis for Ke | y Indicators of Public and Publicly |
|---|-------------------------------------|
| Guaranteed External Debt, 2 | 2016–2036 |

(In percent)

| _ | | | | Projecti | 8 9 10 5 6 8 11 12 15 8 9 11 12 15 8 9 11 12 15 8 9 11 15 16 17 8 9 11 15 16 17 8 9 11 14 13 15 | | | |
|--|--------|------------|--------|----------|---|---------|-----------------|---------|
| | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2026 | 2036 |
| PV of debt-to GDP ra | tio | | | | | | | |
| Baseline | 6 | 7 | 7 | 8 | 9 | 10 | 16 | 22 |
| A. Alternative Scenarios | | | | | | | | |
| A1. Key variables at their historical averages in 2016-2036 1/ A2. New public sector loans on less favorable terms in 2016-2036 2 | 6 6 | 5 7 | 5 9 | 5 11 | 6 12 | 8 15 | 16 26 | 5 41 |
| B. Bound Tests | | | | | | | | |
| B1. Real GDP growth at historical average minus one standard deviation in 2017-2018 | 6 | 7 | 8 | 8 | 9 | 11 | 17 | 23 |
| B2. Export value growth at historical average minus one standard deviation in 2017-2018 3/ | 6 | 9 | 14 | 15 | 16 | 17 | 22 | 24 |
| B3. US dollar GDP deflator at historical average minus one standard deviation in 2017-2018 | 6 | 7 | 7 | 8 | 9 | 11 | 17 | 23 |
| B4. Net non-debt creating flows at historical average minus one standard deviation in 2017-2018 4/ | 6 | 6 | 7 | 8 | 9 | 10 | 16 | 22 |
| B5. Combination of B1-B4 using one-half standard deviation shocks | 6 | 2 | 0 | 0 | 0 | 1 | 8 | 18 |
| B6. One-time 30 percent nominal depreciation relative to the baseline in 2017 5/ | 6 | 9 | 10 | 11 | 13 | 15 | 23 | 31 |
| PV of debt-to-exports | ratio | | | | | | | |
| Baseline | 14 | 16 | 18 | 20 | 22 | 25 | 40 | 67 |
| A. Alternative Scenarios | | | | | | | | |
| A1 Key variables at their historical averages in 2016-2036 1/ | 14 | 12 | 12 | 13 | 15 | 21 | 39 | 15 |
| A2. New public sector loans on less favorable terms in 2016-2036 2 | 14 | 18 | 22 | 26 | 32 | 37 | 66 | 127 |
| B. Bound Tests | | | | | | | | |
| B1. Real GDP growth at historical average minus one standard deviation in 2017-2018 | 14 | 16 | 18 | 20 | 22 | 25 | 40 | 67 |
| B2. Export value growth at historical average minus one standard deviation in 2017-2018 3/ | 14 | 24 | 44 | 46 | 49 | 52 | 68 | 93 |
| B3. US dollar GDP deflator at historical average minus one standard deviation in 2017-2018 | 14 | 16 | 18 | 20 | 22 | 25 | 40 | 67 |
| R4 Net non-debt creating flows at historical average minus one standard deviation in 2017-2018 4/ | 14 | 16 | 17 | 19 | 22 | 24 | 39 | 67 |
| B5. Combination of B1-B4 using one-balf standard deviation shocks | 14 | 5 | 1, | 10 | 0 | 24 | 19 | 55 |
| P6. One time 20 percent pominal depreciation relative to the baceline in 2017 E/ | 14 | 16 | 10 | 20 | 22 | 25 | 40 | 67 |
| bo. One-time so percent nominal depreciation relative to the baseline in 2017 sy | 14 | 10 | 10 | 20 | 22 | 25 | 40 | 07 |
| PV of debt-to-revenue | ratio | | | | | | | |
| Baseline | 20 | 21 | 22 | 25 | 28 | 32 | 48 | 70 |
| A. Alternative Scenarios | | | | | | | | |
| A1 Key variables at their historical averages in 2016-2036 1/ | 20 | 16 | 15 | 16 | 19 | 26 | 47 | 16 |
| A2. New public sector loans on less favorable terms in 2016-2036 2 | 20 | 23 | 28 | 33 | 39 | 47 | 79 | 133 |
| B. Bound Tests | | | | | | | | |
| B1. Real GDP growth at historical average minus one standard deviation in 2017-2018 | 20 | 21 | 24 | 26 | 30 | 34 | 51 | 75 |
| B2 Export value growth at historical average minus one standard deviation in 2017-2018 3/ | 20 | 28 | 44 | 46 | 49 | 52 | 65 | 78 |
| B3. US dollar GDP deflator at historical average minus one standard deviation in 2017-2010 37 | 20 | 20 | 22 | 26 | 29 | 22 | 49 | 70 |
| R4 Nat non-daht creating flows at historical average minus one standard deviation in 2017-2018 | 20 | 21 | 23 | 20 | 25 | 21 | 45 | 70 |
| R5. Combination of R1-R4 using one-half standard deviation shocks | 20 | <u>د</u> ۲ | ~~ | | 2/ 0 | 2 | 24 | 50 |
| P6. One time 20 percent nominal depreciation relative to the baseline in 2017 57 | 20 | 20 | 22 | 25 | 40 | 5 | 24 | 29 |
| bo, one time so percent nominal depreciation relative to the baseline in 2017 5/ | 20 | 23 | 52 | | 40 | 40 | 00 | 55 |
| | | | | | | | | |
| | | | | | | | | |

| Title 3. Solomon Islands: Sensitivity Analysis for Key In External Debt, 2016-2036 | dicato (cont | rs of tinued | Public 1) | and | Publi | cly Gu | Jaran | teed |
|--|---------------------------------|---------------------------------|---------------------------------|----------------------------|----------------------------|----------------------------|----------------------------|-----------------------|
| Debt service-to-exports | ratio | | | | | | | |
| Baseline | 2 | 2 | 2 | 2 | 1 | 1 | 2 | 3 |
| A. Alternative Scenarios | | | | | | | | |
| A1. Key variables at their historical averages in 2016-2036 1/ A2. New public sector loans on less favorable terms in 2016-2036 2 | 2 2 | 2 2 | 2 2 | 1 2 | 1 2 | 1 2 | 1 3 | 2 8 |
| B. Bound Tests | | | | | | | | |
| B1. Real GDP growth at historical average minus one standard deviation in 2017-2018 B2. Export value growth at historical average minus one standard deviation in 2017-2018 3/ B3. US dollar GDP deflator at historical average minus one standard deviation in 2017-2018 B4. Net non-debt creating flows at historical average minus one standard deviation in 2017-2018 4/ B5. Combination of B1-B4 using one-half standard deviation shocks B6. One-time 30 percent nominal depreciation relative to the baseline in 2017 5/ | 2 2 2 2 2 2 2 | 2 2 2 2 2 2 2 | 2 3 2 2 2 2 2 | 2 3 2 2 1 2 | 1 2 1 1 1 1 | 1 2 1 1 1 1 | 2 3 2 2 0 2 | 3 5 3 2 3 |
| Debt service-to-revenue | ratio | | | | | | | |
| Baseline | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 4 |
| A. Alternative Scenarios | | | | | | | | |
| A1. Key variables at their historical averages in 2016-2036 1/ A2. New public sector loans on less favorable terms in 2016-2036 2 | 3 3 | 2 3 | 2 2 | 2 2 | 1 2 | 1 2 | 1 4 | 2 8 |
| B. Bound Tests | | | | | | | | |
| B1. Real GDP growth at historical average minus one standard deviation in 2017-2018 B2. Export value growth at historical average minus one standard deviation in 2017-2018 3/ B3. US dollar GDP deflator at historical average minus one standard deviation in 2017-2018 B4. Net non-debt creating flows at historical average minus one standard deviation in 2017-2018 4/ B5. Combination of B1-B4 using one-half standard deviation shocks B6. One-time 30 percent nominal depreciation relative to the baseline in 2017 5/ | 3 3 3 3 3 3 | 3 3 3 3 3 4 | 2 3 2 2 2 3 | 2 3 2 2 1 3 | 2 2 2 2 1 2 | 2 2 2 2 1 2 | 2 3 2 2 0 3 | 4 4 4 2 5 |
| Memorandum item: Grant element assumed on residual financing (i.e., financing required above baseline) 6/ | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 |

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 baseline.

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 a 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 4. Solomon Islands: Public Sector Debt Sustainability Framework, Baseline Scenario, 2013–2036(In percent of GDP, Unless Otherwise Indicated)

| Public sector debt 1/ 1 of which: foreign-currency denominated 1 Change in public sector debt - Identified debt-creating flows - Primary deficit - Revenue and grants - of which: grants 1 Primary (noninterest) expenditure - Automatic debt dynamics - Contribution from interest rate/growth differential - of which: contribution from average real interest rate - of which: contribution from real GDP growth - Contribution from real exchange rate depreciation - Other identified debt-creating flows - Privatization receipts (negative) - Recognition of implicit or contingent liabilities - Debt relief (HIPC and other) - Other (specify, e.g. bank recapitalization) - Residual, including asset changes - Other Sustainability Indicators - PV of public sector debt - of which: crearnal - | | Actual | | | Estimate | | | | Projections | | | | | | |
|---|------------|------------|-------------|---------------|-------------------|---------|---------|-------------|-------------|------|------|---------|------|---------|---------|
| Public sector debt 1/ 1 of which: foreign-currency denominated 1 Change in public sector debt - Identified debt-creating flows - Primary deficit - Revenue and grants 5 of which: grants 1 Primary (noninterest) expenditure 4 Automatic debt dynamics - Contribution from interest rate/growth differential - of which: contribution from average real interest rate - of which: contribution from real GDP growth - Contribution from real exchange rate depreciation - Other identified debt-creating flows - Privatization receipts (negative) - Recognition of implicit or contingent liabilities - Debt relief (HIPC and other) - Other (specify, e.g. bank recapitalization) - Residual, including asset changes - Other Sustainability Indicators - PV of public sector debt - of which: crearnal - | 1 | 2014 | 2015 | 5/ Average | Standard 5/ | 201.0 | 2017 | 201.0 | 2010 | 2020 | 2021 | 2016-21 | 2026 | 2026 | 2022-36 |
| Public sector debt 1/ 1 of which: foreign-currency denominated 1 Change in public sector debt - Identified debt-creating flows - Primary deficit - Revenue and grants 5 of which: grants 1 Primary (noninterest) expenditure 4 Automatic debt dynamics - Contribution from interest rate/growth differential - of which: contribution from average real interest rate - of which: contribution from real GDP growth - Contribution from real exchange rate depreciation - Other identified debt-creating flows - Privatization receipts (negative) - Recognition of implicit or contingent liabilities - Debt relief (HIPC and other) - Other Sustainability Indicators - PV of public sector debt - of which: crearing denominated - of which: ceternal - | 13 | 2014 | 2015 | | Deviation | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | Average | 2026 | 2036 | Average |
| of which: foreign-currency denominated 1 Change in public sector debt - Identified debt-creating flows - Primary deficit - Revenue and grants 1 of which: grants 1 Primary (noninterest) expenditure 4 Automatic debt dynamics - Contribution from interest rate/growth differential - of which: contribution from average real interest rate - of which: contribution from real GDP growth - Contribution from real exchange rate depreciation - Other identified debt-creating flows - Privatization receipts (negative) - Recognition of implicit or contingent liabilities - Debt relief (HIPC and other) - Other (specify, e.g. bank recapitalization) - Residual, including asset changes - Other Sustainability Indicators - PV of public sector debt - of which: crearnal - | 5.5 | 13.3 | 10.4 | | | 8.9 | 10.1 | 11.5 | 13.1 | 14.9 | 17.4 | | 26.8 | 35.3 | |
| Change in public sector debt Identified debt-creating flows Primary deficit Revenue and grants of which: grants Primary (noninterest) expenditure Automatic debt dynamics Contribution from interest rate/growth differential of which: contribution from average real interest rate of which: contribution from real GDP growth Contribution from real exchange rate depreciation Other identified debt-creating flows Privatization receipts (negative) Recognition of implicit or contingent liabilities Debt relief (HIPC and other) Other (specify, e.g. bank recapitalization) Residual, including asset changes Other Sustainability Indicators PV of public sector debt of which: ceternal | 1.3 | 10.4 | 9.8 | | | 8.4 | 9.4 | 10.7 | 12.2 | 14.0 | 16.3 | | 25.6 | 34.0 | |
| Identified debt-creating flows - Primary deficit - Revenue and grants 5 of which: grants 1 Primary (noninterest) expenditure 4 Automatic debt dynamics - Contribution from interest rate/growth differential - of which: contribution from real GDP growth - Contribution from real exchange rate depreciation - Other identified debt-creating flows - Privatization receipts (negative) Recognition of implicit or contingent liabilities Debt relief (HIPC and other) - Other (specify, e.g. bank recapitalization) - Residual, including asset changes - Other Sustainability Indicators - PV of public sector debt - of which: certarnal - | 2.1 | -2.3 | -2.9 | | | -1.5 | 1.2 | 1.4 | 1.6 | 1.9 | 2.5 | | 1.7 | 0.2 | |
| Primary deficit - Revenue and grants 5 of which: grants 1 Primary (noninterest) expenditure 4 Automatic debt dynamics - Contribution from interest rate/growth differential - of which: contribution from average real interest rate - of which: contribution from real GDP growth - Contribution from real exchange rate depreciation - Other identified debt-creating flows - Privatization receipts (negative) Recognition of implicit or contingent liabilities Debt relief (HIPC and other) - Other (specify, e.g. bank recapitalization) - Residual, including asset changes - Other Sustainability Indicators - PV of public sector debt - of which: ceternal - | 5.4 | -2.1 | 0.2 | | | 0.6 | 0.2 | -2.1 | -2.1 | -2.1 | -1.3 | | -3.5 | -1.8 | |
| Revenue and grants 5 of which: grants 1 Primary (noninterest) expenditure 4 Automatic debt dynamics 4 Contribution from interest rate/growth differential 5 of which: contribution from average real interest rate 6 of which: contribution from real GDP growth 6 Contribution from real exchange rate depreciation 6 Other identified debt-creating flows 7 Privatization receipts (negative) 7 Recognition of implicit or contingent liabilities 2 Debt relief (HIPC and other) 7 Other (specify, e.g. bank recapitalization) 7 Residual, including asset changes 7 Other Sustainability Indicators 7 PV of public sector debt 6 of which: creatinal 6 | 4.4 | -1.9 | 0.1 | -3.1 | 3.1 | 1.3 | 0.5 | -1.7 | -1.6 | -1.5 | -1.0 | -0.7 | -2.5 | 0.1 | -1.4 |
| of which: grants 1 Primary (noninterest) expenditure 4 Automatic debt dynamics 4 Contribution from interest rate/growth differential 4 of which: contribution from average real interest rate 4 of which: contribution from real GDP growth 4 Contribution from real exchange rate depreciation 4 Other identified debt-creating flows 4 Privatization receipts (negative) 8 Recognition of implicit or contingent liabilities 5 Debt relief (HIPC and other) 6 Other Sustainability Indicators 7 PV of public sector debt 6 of which: crearnecy denominated 6 of which: creatingli 7 | 1.8 | 48.0 | 46.1 | | | 43.8 | 43.3 | 43.0 | 42.5 | 42.1 | 41.8 | | 42.0 | 36.0 | |
| Primary (noninterest) expenditure 44 Automatic debt dynamics - Contribution from interest rate/growth differential - of which: contribution from average real interest rate - of which: contribution from real GDP growth - Contribution from real exchange rate depreciation - Other identified debt-creating flows - Privatization receipts (negative) - Recognition of implicit or contingent liabilities - Debt relief (HIPC and other) - Other (specify, e.g. bank recapitalization) - Residual, including asset changes - Other Sustainability Indicators - PV of public sector debt - of which: corrency denominated - of which: ceternal - | 7.8 | 14.8 | 11.5 | | | 12.2 | 11.7 | 11.2 | 10.8 | 10.4 | 9.9 | | 8.5 | 4.8 | |
| Automatic debt dynamics - Contribution from interest rate/growth differential - of which: contribution from average real interest rate - of which: contribution from real GDP growth - Contribution from real exchange rate depreciation - Other identified debt-creating flows - Privatization receipts (negative) - Recognition of implicit or contingent liabilities - Debt relief (HIPC and other) - Other (specify, e.g. bank recapitalization) - Residual, including asset changes - Other Sustainability Indicators - PV of public sector debt - of which: ceternal - | 7.5 | 46.1 | 46.3 | | | 45.0 | 43.8 | 41.3 | 40.9 | 40.5 | 40.8 | | 39.5 | 36.0 | |
| Contribution from interest rate/growth differential of which: contribution from average real interest rate of which: contribution from real GDP growth Contribution from real exchange rate depreciation Other identified debt-creating flows Privatization receipts (negative) Recognition of implicit or contingent liabilities Debt relief (HIPC and other) Other (specify, e.g. bank recapitalization) Residual, including asset changes Other Sustainability Indicators PV of public sector debt of which: foreign-currency denominated of which: external | 1.0 | -0.3 | 0.0 | | | -0.6 | -0.3 | -0.4 | -0.5 | -0.6 | -0.3 | | -0.9 | -1.9 | |
| of which: contribution from average real interest rate of which: contribution from real GDP growth Contribution from real exchange rate depreciation Other identified debt-creating flows Privatization receipts (negative) Recognition of implicit or contingent liabilities Debt relief (HIPC and other) Other (specify, e.g. bank recapitalization) Residual, including asset changes Other Sustainability Indicators PV of public sector debt of which: foreign-currency denominated of which: external | 0.7 | -0.4 | -0.5 | | | -0.4 | -0.3 | -0.3 | -0.4 | -0.4 | -0.5 | | -0.9 | -1.3 | |
| of which: contribution from real GDP growth Contribution from real exchange rate depreciation Other identified debt-creating flows Privatization receipts (negative) Recognition of implicit or contingent liabilities Debt relief (HIPC and other) Other (specify, e.g. bank recapitalization) Residual, including asset changes Other Sustainability Indicators PV of public sector debt of which: foreign-currency denominated of which: external | 0.2 | -0.1 | -0.1 | | | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | 0.0 | 0.0 | |
| Contribution from real exchange rate depreciation Other identified debt-creating flows Privatization receipts (negative) Recognition of implicit or contingent liabilities Debt relief (HIPC and other) Other (specify, e.g. bank recapitalization) Residual, including asset changes Other Sustainability Indicators PV of public sector debt of which: foreign-currency denominated of which: external | 0.5 | -0.3 | -0.4 | | | -0.3 | -0.3 | -0.3 | -0.3 | -0.4 | -0.5 | | -0.8 | -1.3 | |
| Other identified debt-creating flows Privatization receipts (negative) Recognition of implicit or contingent liabilities Debt relief (HIPC and other) Other (specify, e.g. bank recapitalization) Residual, including asset changes Other Sustainability Indicators PV of public sector debt of which: foreign-currency denominated of which: external | 0.3 | 0.2 | 0.5 | | | -0.3 | 0.0 | 0.0 | -0.1 | -0.2 | 0.2 | | | | |
| Privatization receipts (negative) Recognition of implicit or contingent liabilities Debt relief (HIPC and other) Other (specify, e.g. bank recapitalization) Residual, including asset changes Other Sustainability Indicators PV of public sector debt of which: foreign-currency denominated of which: external | 0.0 | 0.0 | 0.0 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | 0.0 | 0.0 | |
| Recognition of implicit or contingent liabilities Debt relief (HIPC and other) Other (specify, e.g. bank recapitalization) Residual, including asset changes Other Sustainability Indicators PV of public sector debt of which: foreign-currency denominated of which: external | 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) Other (specify, e.g. bank recapitalization) Residual, including asset changes Other Sustainability Indicators PV of public sector debt of which: foreign-currency denominated of which: external | 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) Residual, including asset changes Other Sustainability Indicators PV of public sector debt of which: foreign-currency denominated of which: external | 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 Other Sustainability Indicators PV of public sector debt of which: foreign-currency denominated of which: external | 0.0 | 0.0 | 0.0 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | 0.0 | 0.0 | |
| Other Sustainability Indicators PV of public sector debt of which: foreign-currency denominated of which: external | 3.3 | -0.1 | -3.1 | | | -2.1 | 1.0 | 3.5 | 3.6 | 4.0 | 3.8 | | 5.1 | 2.0 | |
| PV of public sector debt of which: foreign-currency denominated of which: external | | | | | | | | | | | | | | | |
| of which: foreign-currency denominated of which: external | | | 7.7 | | | 6.7 | 7.2 | 7.9 | 8.7 | 9.8 | 11.3 | | 17.2 | 23.1 | |
| of which: external | | | 7.1 | | | 6.2 | 6.6 | 7.1 | 7.9 | 8.8 | 10.2 | | 16.0 | 21.8 | |
| DV of contingent liabilities (not included in public sector debt) | | | 7.1 | | | 6.2 | 6.6 | 7.1 | 7.9 | 8.8 | 10.2 | | 16.0 | 21.8 | |
| Gross financing need 2/ | 27 | | २० | | | | 17 | | | | | | 1.6 | 1 4 | |
| D/ of public soctor dobt to revenue and grants ratio (in percent) | 2.7 | =0.2 | 2.0 | | | 2.3 | 16.6 | -0.0 10/ | -0.0 | -0.0 | -0.1 | | -1.0 | 64.2 | |
| PV of public sector debt-to-revenue ratio (in percent) | | | 22.2 | | | 21.1 | 22.8 | 24.8 | 20.0 | 31.0 | 35.5 | | 51.5 | 74.3 | |
| of which: external 3/ | | | 20.6 | | | 19.5 | 20.8 | 22.5 | 24.8 | 28.0 | 32.1 | | 47.8 | 70.1 | |
| Debt service-to-revenue and grants ratio (in percent) 4/ | 2.3 | 2.5 | 4.8 | | | 1.9 | 1.9 | 1.8 | 1.6 | 1.3 | 1.3 | | 1.6 | 3.3 | |
| Debt service-to-revenue ratio (in percent) 4/ | 3.5 | 3.5 | 6.4 | | | 2.6 | 2.6 | 2.4 | 2.1 | 1.7 | 1.8 | | 2.0 | 3.8 | |
| Primary deficit that stabilizes the debt-to-GDP ratio | 2.3 | 0.4 | 3.0 | | | 2.7 | -0.7 | -3.1 | -3.2 | -3.4 | -3.5 | | -4.2 | -0.1 | |
| Key macroeconomic and fiscal assumptions | | | | | | | | | | | | | | | |
| Real GDP growth (in percent) | 3.0 | 2.0 | 3.3 | 4.5 | 4.5 | 3.0 | 3.3 | 3.0 | 3.0 | 3.0 | 3.2 | 3.1 | 3.4 | 3.8 | 3.5 |
| Average nominal interest rate on forex debt (in percent) | 1.1 | 1.1 | 0.9 | 1.3 | 0.6 | 0.9 | 1.1 | 1.2 | 1.3 | 1.4 | 1.4 | 1.2 | 1.4 | 1.5 | 1.5 |
| Average real interest rate on domestic debt (in percent) | 3.U 2 0 | -2.0 | -0.4 | -4.0 | 2.7 | ר ר | | -0.6 | -0.5 | -0.5 | 2.6 | 0.3 | 0.3 | -0.5 | 0.0 |
| Inflation rate (GDP deflator in percent) | ∠.0 4.4 | 1.0 | 1.4 | -3.5 | 3.0 | -2.7 | 1.8 | 1 9 | | 3.0 | | 2 2 | 35 | 4 0 | ⊿ ∩ |
| Growth of real primary spending (deflated by GDP deflator, in percent) | 3.0 | -0.9 | 3.6 | 0.0 | 1.6 | 0.2 | 0.4 | -2.9 | 2.1 | 2.0 | 3.9 | 1.0 | 2.6 | 4.3 | 2.6 |
| Grant element of new external borrowing (in percent) | | | | | | 30.9 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 42.0 | 44.3 | 44.3 | |
| Sources: Country authorities; and staff estimates and projections. | | | | | | | | | | | | | | | |
| 1/ Coverage of public sector debt is general government and gross debt. | | | | | | | | | | | | | | | |
| 2/ Gross financing need is defined as the primary deficit plus debt service plu | is th | e stock o | f short-ter | m debt at the | end of the last p | period. | | | | | | | | | |
| 3/ Revenues excluding grants. | | | | | | | | | | | | | | | |
| 4/ Debt service is defined as the sum of interest and amortization of medium | and | l long-tei | rm debt. | | | | | | | | | | | | |

| Table | | Televe des | C tal tal. | | far Ilar | Tea di anterna | - C D la l' - I | | 2020 |
|----------|---------|------------|---------------------------------------|---------------------------------------|-------------|---|-----------------|-----------|-------|
| I anie • | Noiomon | isiands. | Sensitivity | | TOP KOV | Indicators | | Dent Zuih | -/USD |
| | | LJIGHAJ. | Schlight | Andrysis | I I I I I V | All | | | 2030 |
| | | | · · · · · · · · · · · · · · · · · · · | · · · · · · · · · · · · · · · · · · · | | | | | |

| | | | | Project | tions | | | |
|---|------|------|------|---------|-------|------|------|-----|
| | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2026 | 203 |
| PV of Debt-to-GDP Ratio | | | | | | | | |
| Baseline | 7 | 7 | 8 | 9 | 10 | 11 | 17 | |
| A. Alternative scenarios | | | | | | | | |
| A1. Real GDP growth and primary balance are at historical averages | 7 | 5 | 5 | 5 | 5 | 5 | 7 | |
| A2. Primary balance is unchanged from 2016 | 7 | 8 | 10 | 12 | 15 | 18 | 33 | |
| A3. Permanently lower GDP growth 1/ | 7 | 7 | 9 | 10 | 12 | 14 | 29 | |
| A.4 Tina PPA - Contingent Liability | 7 | 7 | 9 | 10 | 12 | 14 | 23 | |
| 3. Bound tests | | | | | | | | |
| 1. Real GDP growth is at historical average minus one standard deviations in 2017-2018 | 7 | 8 | 10 | 12 | 14 | 17 | 29 | |
| 32. Primary balance is at historical average minus one standard deviations in 2017-2018 | 7 | 7 | 9 | 9 | 10 | 12 | 18 | |
| 33. Combination of B1-B2 using one half standard deviation shocks | 7 | 6 | 7 | 8 | 10 | 11 | 19 | |
| 34. One-time 30 percent real depreciation in 2017 | 7 | 9 | 10 | 10 | 10 | 11 | 16 | |
| 5. 10 percent of GDP increase in other debt-creating flows in 2017 | 7 | 13 | 13 | 14 | 15 | 17 | 22 | |
| PV of Debt-to-Revenue Ratio | 2/ | | | | | | | |
| Baseline | 15 | 17 | 18 | 21 | 23 | 27 | 41 | |
| A. Alternative scenarios | | | | | | | | |
| 1. Real GDP growth and primary balance are at historical averages | 15 | 12 | 11 | 11 | 12 | 12 | 18 | |
| 2. Primary balance is unchanged from 2016 | 15 | 18 | 23 | 29 | 36 | 43 | 78 | 1 |
| Permanently lower GDP growth 1/ | 15 | 17 | 20 | 23 | 28 | 34 | 67 | 1 |
| 1.4 Tina PPA - Contingent Liability | 15 | 17 | 20 | 24 | 29 | 34 | 54 | |
| 8. Bound tests | | | | | | | | |
| 31. Real GDP growth is at historical average minus one standard deviations in 2017-2018 | 15 | 18 | 23 | 28 | 33 | 40 | 67 | 1 |
| 32. Primary balance is at historical average minus one standard deviations in 2017-2018 | 15 | 16 | 20 | 22 | 25 | 29 | 42 | |
| 3. Combination of B1-B2 using one half standard deviation shocks | 15 | 14 | 16 | 19 | 23 | 27 | 45 | |
| 4. One-time 30 percent real depreciation in 2017 | 15 | 22 | 22 | 23 | 25 | 27 | 38 | |
| 5. 10 percent of GDP increase in other debt-creating flows in 2017 | 15 | 30 | 31 | 33 | 36 | 40 | 53 | |
| Debt Service-to-Revenue Rati | o 2/ | | | | | | | |
| Baseline | 2 | 2 | 2 | 2 | 1 | 1 | 2 | |
| A. Alternative scenarios | | | | | | | | |
| 1. Real GDP growth and primary balance are at historical averages | 2 | 2 | 2 | 1 | 1 | 1 | 1 | |
| A2. Primary balance is unchanged from 2016 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| .3. Permanently lower GDP growth 1/ | 2 | 2 | 2 | 2 | 1 | 2 | 2 | |
| .4 Tina PPA - Contingent Liability | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| B. Bound tests | | | | | | | | |
| 81. Real GDP growth is at historical average minus one standard deviations in 2017-2018 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| 32. Primary balance is at historical average minus one standard deviations in 2017-2018 | 2 | 2 | 2 | 2 | 1 | 1 | 2 | |
| 3. Combination of B1-B2 using one half standard deviation shocks | 2 | 2 | 2 | 1 | 1 | 1 | 2 | |
| 4. One-time 30 percent real depreciation in 2017 | 2 | 2 | 3 | 2 | 2 | 2 | 2 | |
| 85. 10 percent of GDP increase in other debt-creating flows in 2017 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |

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.

| Table 6. Solomon Islands: Baseline Macroeconomic Assumptions | | | | | | | | | | |
|--|------------|-----------|------------|------|------|------|-----------|--|--|--|
| (In percent of (| GDP, Unles | s Otherwi | ise Stated |) | | | | | | |
| | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2013 DSA* | | | |
| Real GDP growth | 3.3 | 3.0 | 3.3 | 3.0 | 3.0 | 3.0 | 3.5 | | | |
| GDP deflator in US dollar terms (change in percent) | -3.7 | 1.7 | 1.8 | 1.8 | 2.5 | 3.0 | 5.5 | | | |
| Non-interest current account deficit | 2.1 | 4.2 | 7.5 | 6.7 | 5.7 | 5.5 | 9.8 | | | |
| Exports (Goods and Services) | 44.6 | 42.8 | 40.8 | 39.8 | 39.9 | 39.6 | 48.7 | | | |
| Imports (Goods and Services) | 52.7 | 51.3 | 52.7 | 51.0 | 50.0 | 49.4 | 61.7 | | | |
| Government revenues (excluding grants) | 34.7 | 31.6 | 31.6 | 31.8 | 31.7 | 31.6 | 32.0 | | | |
| Primary (noninterest) expenditure | 46.3 | 45.0 | 43.8 | 41.3 | 40.9 | 40.5 | 49.0 | | | |
| Net FDI (negative = inflow) | -2.0 | -3.1 | -3.5 | -3.4 | -3.3 | -3.3 | -7.5 | | | |
| Aid Flows | 11.5 | 12.2 | 13.8 | 13.6 | 13.4 | 13.2 | 19.5 | | | |
| Grants | 11.5 | 12.2 | 11.7 | 11.2 | 10.8 | 10.4 | 17.3 | | | |
| Concessional Loans | 0.0 | 0.0 | 2.2 | 2.4 | 2.6 | 2.8 | 2.2 | | | |
| * Projected medium-term values in the 2013 DSA | | | | | | | | | | |