

INTERNATIONAL DEVELOPMENT ASSOCIATION AND  
INTERNATIONAL MONETARY FUND

REPUBLIC OF HAITI

**Enhanced Heavily Indebted Poor Countries (HIPC) Initiative—  
Decision Point Document**

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and the International Monetary Fund

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## Abbreviations and Acronyms

AAP	Assessment and Action Plan
AIDS	Acquired Immune Deficiency Syndrome
APN	Ports Authority
ASYCUDA	Automated System for Customs Data
BRH	Banque de la République d'Haïti (Central Bank of Haiti)
CAMEP	Water Authority
CEM	Country Economic Memorandum
CNIMP	Interim National Commission for Public Procurement
CPI	Consumer Price Index
CSCCA	Supreme Audit Institution
DSA	Debt Sustainability Analysis
DHS	Demographic and Health Survey
DMFAS	Debt Management Financial Analysis System
GDP	Gross Domestic Product
GNI	Gross National Income
EDH	Electricity Utility
EPCA	Emergency Post-Conflict Assistance
EGRO	Economic Governance Reform Operation
EGTAG	Economic Governance Technical Assistance Grant
FER	Road Maintenance Fund
HIPC	Heavily Indebted Poor Countries
HIV	Human Immune-deficiency Virus
IBRD	International Bank for Reconstruction and Development
ICF	Interim Cooperation Framework
IDA	International Development Association
IDB	Inter-American Development Bank
IMF	International Monetary Fund
I-PRSP	Interim Poverty Reduction Strategy Paper
JSAN	Joint Staff Advisory Note
LIC	Low Income Countries
MDB	Multilateral Development Bank
MDG	Millennium Development Goal
MDRI	Multilateral Debt Relief Initiative
MEF	Ministry of Economy and Finance
MENJS	Ministry of Education, Youth and Sports
MINUSTAH	United Nations Stabilization Mission in Haiti
MSPP	Ministry of Health
NEPO	National Education Partnership Office
NETP	National Education and Training plan
NFP	National Partnership Fund
NSPRHS	National Strategic Plan for the Reform of the Health Sector
NPV	Net Present value
NIR	Net International Reserves
OPEC	Organization of Petroleum Exporting Countries
PEM	Public Expenditure Management
PRGF	Poverty Reduction and Growth Facility
PRSP	Poverty Reduction Strategy Paper
SDR	Special Drawing Rights
SMP	Staff Monitored Program
SYSDEP	Automated System for Budget Management
TELECO	Telecoms Utility
ULCC	Anti-Corruption Unit
UNDP	United Nations Development Programme
UNAIDS	United Nations Programme on HIV/AIDS
UNCTAD	United Nations Conference on Trade and Development

## I. INTRODUCTION

1. **This paper presents an assessment of Haiti's qualification for assistance under the Enhanced Heavily Indebted Poor Countries (HIPC) Initiative.**<sup>1</sup> The Executive Boards of the IMF and IDA discussed the Preliminary HIPC document for Haiti on September 6 and 7, 2006, respectively.<sup>2</sup> On these occasions, Directors made a preliminary determination that Haiti could qualify for assistance under the HIPC Initiative in view of (i) its status as a PRGF-eligible and IDA-only country; (ii) its NPV of debt-to-exports ratio, which is above the indicative threshold of the HIPC Initiative even after the application of traditional debt relief mechanisms; and (iii) satisfactory performance under the two comprehensive Emergency Post-Conflict Assistance (EPCA) programs (October 2004-September 2006) and the IDA-supported EGRO I (since January 2005), with important achievements in the areas of macroeconomic stabilization and structural reforms.<sup>3</sup> <sup>4</sup> Directors also agreed that Haiti could reach its Decision Point before end-2006, together with the approval of a Poverty Reduction and Growth Facility (PRGF) arrangement by the IMF Board, provided that (i) the country remains on track with its macroeconomic program, supported by the EPCA; (ii) an agreement is reached on appropriate completion point triggers; and (iii) the Interim Poverty Reduction Strategy Paper (I-PRSP) is finalized. Directors supported the possible triggers and key policy measures outlined in the preliminary document.

2. **Haiti's NPV of debt-to-exports ratio as of end-September 2005, after full application of traditional debt relief mechanisms, is estimated at 176.7 percent and is above the HIPC Initiative threshold.** Possible HIPC debt relief is estimated to be US\$140.3 million in end-September 2005 NPV terms (a common reduction factor of 15.1 percent) and relief associated with the Multilateral Debt Relief Initiative (MDRI), also in NPV terms, is estimated at about US\$243 million.<sup>5</sup> Debt relief under the HIPC Initiative and the MDRI would help Haiti accelerate progress towards the Millennium Development Goals (MDGs).

3. **This paper is organized as follows.** Section II provides background information on Haiti's eligibility for assistance under the HIPC Initiative; the nature and extent of poverty; recent political and security developments; and the policy track record. Section III discusses the medium-to-long-term macroeconomic framework and the future reform agenda for poverty reduction. Section IV summarizes the results of the Debt Sustainability Analysis (DSA) and presents possible HIPC and MDRI assistance. Section V discusses the floating completion point triggers, specifies how HIPC Initiative assistance after the decision point

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<sup>1</sup> The Enhanced HIPC Initiative will hereafter be referred to as the HIPC Initiative.

<sup>2</sup> See EBS/06/112, August 17, 2006, and IDA Report No 36917, August 15, 2006.

<sup>3</sup> Haiti was included in the list of countries meeting the HIPC Initiative's income and indebtedness eligibility criteria. See "Heavily Indebted Poor Countries (HIPC) Initiative—List of Ring-Fenced Countries that Meet the Income and Indebtedness Criteria at end-2004", IMF: EBS-06-35, April 11, 2006, and IDA: R2006-0041/2, April 12, 2006.

<sup>4</sup> Although the two-year track record is relatively short, the HIPC framework has sufficient flexibility to accommodate Haiti's circumstances, including with regard to the length of track record to decision point. See "Assistance to Post-Conflict Countries and the HIPC Framework", Development Committee DC2001-0014, April 20, 2001.

<sup>5</sup> MDRI debt relief from IDA is expected to be US\$243 million in NPV terms. Haiti is not expected to have any eligible IMF debt for MDRI relief.

will be used and tracked, and reports the views of the authorities. Finally, section VI presents issues for discussion by the Executive Directors.

## II. BACKGROUND AND ELIGIBILITY FOR HIPC INITIATIVE ASSISTANCE

### A. PRGF AND IDA Status

4. **Haiti is currently an IDA-only country, with a nominal per capita GNI of about US\$450 in 2005 (using the World Bank's Atlas methodology). A PRGF arrangement is scheduled to be discussed by the IMF Board in parallel with this document.**<sup>6</sup> Haiti will continue to need substantial concessional assistance from the international community and is likely to remain an IDA-only country and eligible for PRGF resources for the foreseeable future.

### B. Dimensions of Poverty

5. **Political and economic instability, recurrent deterioration in security, low growth, and high inequality and poverty have been the key challenges confronting Haiti in the past.** The impact of prolonged political conflicts and violence, periods of high external assistance followed by the withdrawal of economic support, and natural disasters has been severe. Real income per capita has declined on average by 2 percent annually over the past twenty years. Haiti's pattern of socio-economic development has been characterized by marked inequalities in access to productive assets and public services, which, together with low growth, has resulted in widespread poverty.

6. **Haiti is the poorest country in the Latin America and Caribbean region and amongst the poorest in the world.** The 2005 United Nations Human Development Index ranked Haiti 153rd out of 177 countries. About 54 percent of Haiti's population lives below the US\$1 a day poverty line and 78 percent below US\$2 a day (2001 data).<sup>7</sup> An overwhelming share of the rural population lives in poverty.<sup>8</sup> There are also large pockets of urban poverty in slum areas in Port-au-Prince, although many small cities and municipalities have lower poverty rates. Wide disparities exist regionally, with poverty being lowest in the Ouest region (34 percent), which includes the capital Port-au-Prince, and highest in the Nord-Est region (81 percent). Nonetheless, even in the Ouest region poverty is extremely high by international standards (higher than that of any country in Latin America and the Caribbean).

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<sup>6</sup> In October 2005, the Executive Board of the IMF approved SDR10.25 million (about US\$14.7 million) in Emergency Post-Conflict Assistance (EPCA) to Haiti, adding to the SDR10.23 million (about US\$15.6 million) provided under the EPCA in January 2005. When approving the EPCA, IMF Directors indicated their support for a rapid transition to a program supported by the PRGF.

<sup>7</sup> Although based on the Enquête sur les Conditions de Vie en Haiti (ECVH) 2001, used for the estimation of poverty indicators included in this document, some poverty indicators included in the I-PRSP differ slightly from the figures presented above, due to differences in the methodology used.

<sup>8</sup> Incidence of poverty in rural areas is 69 percent for the US\$1 a day poverty line and 86 percent for the US\$2 a day poverty line.

Income inequality in Haiti is also high. Nearly half of national income goes to the richest 10 percent of the population.<sup>9</sup>

7. **On social indicators Haiti ranks very low.** Although adult illiteracy decreased from 60 percent in 1990 to 52 percent in 2003, it remains the highest in the Latin America and the Caribbean region and is higher than the average for low-income countries. Only 55 percent of children aged 6–12 are enrolled in school; in rural areas this indicator is even lower at 23 percent. Food deprivation and limited access to health care, due to poor infrastructure and lack of qualified personnel and drugs, have resulted in dire health conditions for Haiti's poor. Haiti also faces a high incidence of HIV/AIDS. UNAIDS estimates that 5.6 percent of the adult population has HIV. Despite all the risk factors in Haiti, there is some evidence that HIV/AIDS prevalence rates have not increased significantly in the last decade and may even have declined. UNAIDS credits this positive trend to close public-civil collaboration and sustained political commitment to contain the disease.

Table 1. Haiti: Selected Poverty and Social Indicators

	Haiti	LAC 1/	LIC 2/
Population (million, 2002) <sup>3/</sup>	8.3	540	2,615
Of which rural (%)	62.5	23.3	69.8
Annual population Growth (2003-15)	1.4	1.3	1.6
Life expectancy at birth (Years, 2003) <sup>3</sup>	51.6	71.9	58.4
GNI per capita (2005 for Haiti, 2004 for LAC and LIC) <sup>4/</sup>	450	3,576	507
Incidence of Poverty (% of the population below the US\$1 a day poverty line, 2001 data for Haiti; 202 data for LAC) <sup>5</sup>	53.9	8.9	..
Adult literacy ratio (% of people age 15 and above, 2003) <sup>3/</sup>	51.9	89.6	60.8
Primary school net enrollment ratio (% of relevant age group, 2001) <sup>6</sup>	55	..	..
Infant mortality rate (per thousand, 2003) <sup>3/</sup>	76	27	80
Child mortality rate (per thousand, 2002) <sup>3/</sup>	118	32	124
Maternal mortality rate (per 100,000 live births, 2000) <sup>5/</sup>	680	194	682
Access to improved water source (% of population, 2002) <sup>3/</sup>	71	89	77
Prevalence of HIV/AIDS (% of persons age 15-49, 2003) <sup>3/</sup>	5.6	0.7	2

1/ Latin American and the Caribbean region.

2/ Low-Income Countries.

3/ UNDP, Human Development Report 2005.

4/ World Bank, 2006 World Development Indicators (for LAC and LIC). World Bank, staff estimates (for Haiti). Calculated using the World Bank Atlas method.

5/ World Bank, 2006 World Development Indicators.

6/ World Bank, staff estimates based on the ECVH 2001 data.

8. **Given the significant gaps in development indicators, Haiti is unlikely to achieve all its Millennium Development Goals (MDGs) by 2015.** Public sector contribution to the provision of basic social services has been very limited and, as a result, the majority of the Haitian population does not have access to these services. For instance, 90 percent of primary schools are non-public and charge fees that represent, on average, 20 percent of the incomes of the poorest quintile, thus barring access to many families. Quality is also a problem, 70 percent of schools lack accreditation and 60 percent of teachers are unqualified. As with education, health services are predominantly provided by non-public institutions (70 percent)

<sup>9</sup> Estimates based on household surveys suggest that poverty and inequality rates may have not changed substantially over the last two decades. Part of the explanation could be that, while GDP per capita declined, consumption levels were maintained by remittances which have accelerated since the mid-1990s.

and the quality is generally poor. Overall, only 28 percent of the population has access to health facilities. Similarly, most of the clean water and sanitation services are non-publicly provided. Despite the predominant role of the private sector in the provision of basic social services, the normative and regulatory role of the Government is weak. The Government plans to introduce measures to address immediate social problems while developing and implementing strategies to help Haiti make progress towards reaching the MDGs. With continued external financial assistance (including HIPC and MDRI relief) Haiti could reach some MDGs, notably goal 2 (achieve universal primary education) and goal 7 (combat HIV/AIDS, malaria and other diseases), and make progress towards reaching the others.

### C. Recent Political and Security Developments

9. **Following the insurrection that quickly evolved into a widespread violent conflict in early 2004, President Aristide resigned and left the country.** The political crisis that followed was halted with the establishment of a Transition Government mandated to organize elections and undertake measures in the areas of security, development, and creating the ground for a new national dialogue. The Political Transition Agreement established the political framework in which the Transition Government operated. To address the high instability and violence that prevailed, the United Nations Security Council authorized the deployment of a Multinational Interim Force, later replaced by the United Nations Stabilization Mission in Haiti (MINUSTAH). The mandate of the forces was to help the Transition Government reestablish the security and stability required for the advancement of the constitutional and political process in the country. While security has improved since 2004, outbursts of violence are still occurring.

10. **The recent successful presidential and parliamentary elections provide an opportunity to overcome the legacy of past decades.** A coalition Government has been formed, including ministers from different political parties. The coalition Government received almost unanimous approval in Parliament, raising hopes for moving forward with an ambitious agenda to improve access and quality of basic social services, modernize the state, pursue and deepen governance reform, wage a war against corruption, and promote private sector investment.

11. **The security situation remains fragile, especially in the capital, Port-au-Prince.** The July 2006 International Conference for Haiti's Economic and Social Development underlined the need for a coordinated and rigorous action from all partners to reestablish a climate of security, which is indispensable to achieve social and economic objectives. President Préval has shown a determination to reach out to all political and social forces in Haiti in a spirit of reconciliation and dialogue. Also, recently the Government launched a disarmament and community reinsertion program for armed groups and intends to pursue ongoing efforts to reform the police and the judiciary.

### D. Policy Track Record

12. **Since mid-2004, Haiti's economic and social recovery and its structural reforms have been supported by donors under the Interim Cooperation Framework (ICF).** The ICF, presented by the Transition Government at the July 2004 donors' conference in

Washington, D.C., provided an interim framework until an elected Government was in place. The ICF framework was extended by the current Government to September 2007 at the July 2006 conference.<sup>10</sup> The initial macroeconomic framework was established under the Fund's staff-monitored program (SMP) covering the period April–September 2004. Over the following two years, the authorities' macroeconomic program has been supported by the IMF's EPCA, with disbursements in January and October 2005 (US\$30.3 million). Following the clearance of arrears to IDA (US\$52.3 million) in early 2005, the Government also received support from IDA to implement economic governance reforms (through an Economic Governance Reform Operation, EGRO, of US\$61.0 million, and two Economic Governance Technical Assistance grants of US\$2.0 million each) and to support the country's recovery through community driven interventions, disaster prevention and management activities, transport and territorial development programs and electricity. The Inter-American Development Bank (IDB), the European Union (EU) and bilateral donors have also provided significant financial and technical assistance.

**13. During 2004–06, Haiti made significant progress toward strengthening macroeconomic stability** (see Table 2). The economy has gradually recovered from the political turmoil and severe floods experienced in 2004 and annual GDP growth is expected to increase to 2.5 percent in FY2006 from 1.8 percent in FY2005.<sup>11</sup> However, security problems have adversely affected economic activity, donor project implementation and other inflows of foreign exchange. With increased revenues and tighter expenditure controls, the central Government overall deficit (including grants) was reduced from 3.5 percent of GDP in FY2003 to 1.4 percent in FY2006. This has largely eliminated recourse to central bank financing of the central Government deficit. This substantial fiscal adjustment has also helped reduce end-of-period inflation from 37.8 percent in FY2003 to 12.4 percent in FY2006; however this rate of inflation is still high relative to comparable low income countries. Net international reserves (NIR) have increased, raising import coverage from 1¼ months of imports of goods and services in FY2003 to an estimated 1.8 months in FY2006. The authorities' program supported by the EPCA remains on track, and preliminary data indicate that key end-September 2006 quantitative targets have been met.

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<sup>10</sup> At the conference, donors pledged about US\$750 million for the period July 2006 – September 2007.

<sup>11</sup> The Haitian fiscal year runs from October 1 to September 30.

**Table 2. Haiti: Selected Economic and Financial Indicators**  
(Fiscal year ending September 30)

	2003	2004	2005	2006 Prel.
(Annual percentage change, unless otherwise indicated)				
GDP at constant prices	0.4	-3.5	1.8	2.5
Real GDP per capita	-1.7	-5.4	-0.2	0.8
Consumer prices (end-of-period)	37.8	21.7	14.8	12.4
(In percent of GDP)				
Central government overall balance (including grants)	-3.5	-2.4	-0.7	-1.4
(Changes in percent of beginning-of-period broad money)				
Broad money (including foreign currency deposits)	39.8	9.1	20.3	9.1
(Annual percentage change, unless otherwise indicated)				
Net international reserves (in millions of U.S. dollars) 1/	38.8	54.5	70.6	125.7
Liquid gross reserves (in millions of U.S. dollars) 2/	157.1	207.4	228.5	330.8
In months of imports of the following year	1.2	1.4	1.4	1.8

Sources: Ministry of Economy and Finance; Bank of the Republic of Haiti; and Fund staff estimates.

1/ Excludes commercial banks' foreign currency deposits with the BRH.

2/ Gross reserves excluding capital contributions to international organizations.

**14. Progress has also been achieved in the implementation of structural and economic governance measures, notably under the EPCA and EGRO.** As of early 2004, Haiti was confronted with significant weaknesses in economic governance and management, which impeded the efficient use of both domestic resources and external financing.<sup>12</sup> The main weaknesses were in the following areas: (i) budget formulation, execution and reporting; (ii) public procurement; (iii) public enterprise management and road maintenance; (iv) human resource management; and (v) the financial sector. Progress in these areas are as follows:

- **Budget formulation, execution and reporting.** Prior to 2004, the Government had at times operated without approved budgets or with budgets approved late into the fiscal year. Procedures for budget formulation and execution were weak and a significant share of public resources was channeled through multiple *comptes courants* held by individual

<sup>12</sup> Reflecting these weaknesses, Transparency International's Corruption Perception Index (as well as other governance indices) has placed Haiti among the lowest rankings worldwide and has identified corruption as one of the leading constraint on economic growth and investment. See "La Fondation Héritage pour Haïti", *L'Etat des Lieux de la Corruption en Haïti, 2003*.

ministries and used non-transparently.<sup>13</sup> In addition, internal controls were impaired by the lack of a well-structured accounting system or external audits of Government budgets. Recent Government measures to address these weaknesses include: (i) passage of a new Organic Budget Law<sup>14</sup> and adoption of a new budget classification and chart of accounts; (ii) approval of the budgets for FY2005 and FY2006 before the start of the fiscal year and regular public dissemination of key budget allocations and execution information; (iii) preparation of the FY2006 budget according to the new budget classification and expansion of the automated system for budget management (SYSDEP) from 5 ministries and units to 17;<sup>15</sup> (iv) a drastic reduction of discretionary spending through ministerial *comptes courants*;<sup>16</sup> and (v) strengthening the external audit function with a decree on the organization and functioning of the supreme audit institution, the *Cour Supérieure des Comptes et Du Contentieux Administrative* (CSCCA). The CSCCA is in the process of catching up on Government accounts audits which, together with the resumption of Parliament oversight functions, will strengthen external controls. Other measures have proceeded more slowly: (i) a mechanism for monitoring budgetary transfers to the electricity sector has been established but is not yet effective and an independent audit of the transfers has not taken place; and (ii) a survey of domestic payment arrears of the central Government has been completed but not yet fully verified and a strategy to address them has not been formulated.

- In the early 2000s, **public procurement** operated under a 1989 decree which had not been fully implemented and had several flaws, and sole-source contracts and unadvertised bidding were the norm. Since 2004, the institutional framework for public procurement has been strengthened through: (i) the passage of a new Procurement Decree and the creation of the National Commission for Public Procurement (CNMP) in 2004; (ii) the preparation of standard bidding documents; and (iii) the publication of lists of Government contracts and of a supplier database. The recent hiring of an international procurement consulting firm will help the CNMP to strengthen procurement capacity in line ministries.
- In 2004 an **Anti-Corruption Unit (ULCC)** was created and staffed as an autonomous entity under the Ministry of Economy and Finance (MEF). The Unit is conducting a comprehensive diagnostic survey of the state of governance and the perception of

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<sup>13</sup> The "*comptes courants*" (Ministries' accounts) were originally meant to be used for unforeseen or non-budgeted needs such as for assistance to those affected by a natural disaster or unexpected travel by policy makers.

<sup>14</sup> The Law mandates the creation of a new accounting system, creates the position of internal ex-ante controllers and a new internal auditing office.

<sup>15</sup> The expansion of the SYSDEP is being undertaken in two phases. The first phase, already completed, includes key ministries and units such as the MEF, the CSCCA, the ministries of Education (MENJS) and Health (MSPP), and the Tax and Customs Directorates. The second phase, including all remaining ministries and the National Police, is scheduled to be completed in late 2006.

<sup>16</sup> The percentage of non-salary current public expenditures disbursed through *comptes courants* was reduced from 62 percent during October 2003–March 2004 to less than 10 percent in FY2005-06.

corruption in Haiti as an input to the design of a national anti-corruption strategy and has prepared a draft law for public sector employees' asset declaration.<sup>17</sup>

- **Public enterprises have been characterized by inadequate financial and operating practices and a lack of managerial accountability, often accompanied by the siphoning of budgetary resources.** Due to the limited resources for maintenance and investment, the quality and reliability of services provided by these enterprises deteriorated over the years. Poor governance practices were particularly acute in the electricity (EDH) and telecoms (TELECO) utilities, and the port authority (APN), which are critical for economic growth. In 2006, financial audits of APN, TELECO and EDH and an accounting rehabilitation of TELECO and EDH were completed. In 2005–06, the Government took a number of measures to strengthen the Road Maintenance Fund (FER), created in 2003 as the cornerstone of Haiti's road maintenance strategy. The FER now has reached a basic level of institutional capacity with the recruiting of key staff and the definition of its operational procedures.
- **In the area of public expenditure management (PEM), an Assessment and Action Plan (AAP) to strengthen the capacity of Haiti to track poverty reducing public spending was prepared jointly by IDA and IMF staffs in consultation with the authorities in June 2006.** Compared to an informal assessment undertaken in 2004, the 2006 AAP confirms that improvements in PEM performance resulting from the above reforms.<sup>18</sup> The reforms started from a very low base of economic governance and focused on critical institutional and legal changes related to public expenditure and public enterprise management. These efforts will require follow-up actions and additional reforms to ensure that (i) procedures and practices are consistent with the revised legal and institutional framework; (ii) mechanisms to better target public resources are set up; (iii) the quality of monthly fiscal data is improved; and (iv) citizens are empowered in ways that will improve public sector transparency and accountability. In this respect, governance measures aimed at making public service delivery more responsive and effective and improving the comprehensiveness of the budget are needed to increase the effectiveness and transparency of public resource use.
- **In 2005 the Government introduced a mechanism for civil society to monitor its program of economic governance reforms.** This mechanism became operational in early 2006, following capacity building by both the Government and civil society organizations. A summary of the monitoring reports prepared by civil society organizations has been published on the MEF website. A workshop with the Government relevant agencies and ministries and civil society organizations was held in June 2006 to review the experience in implementing the monitoring mechanism and identify measures to improve its effectiveness.
- **The inadequate quality and quantity of human resources have been an impediment to public sector efficiency in Haiti.** This results from the scarcity of skilled people and

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<sup>17</sup> The diagnostic survey was completed in March 2006. The final report is expected to be completed by end 2006.

<sup>18</sup> An informal assessment was undertaken in September 2004 by the IMF staff.

the lack of an adequate incentive and accountability system to attract, maintain and motivate civil servants. Public sector employment in Haiti is very small by international standards. In 2004, public sector employment corresponded to 0.7 percent of the population, compared with 2.0 percent in Africa and 7.7 percent among developed market economies.<sup>19</sup> Dealing with these shortfalls in a manner that supports sustained public sector efficiency will likely require increasing the efficiency of the use of scarce human resources and implementing reforms involving systemic restructuring of the civil service. In 2004, a new Civil Service Decree was enacted. A Coordination Unit in the Prime Minister's Office has taken on the human resource functions as a first step to overseeing the implementation of the Decree and a census of employment in selected ministries has been completed.

- **Financial sector stability has been maintained**, but weaknesses have been identified in the mechanism of monetary management and in financial audit and controls of the Central Bank of Haiti (BRH), and the BRH has experienced operational losses. The authorities are preparing a plan to address these weaknesses, including with technical assistance provided by the IMF. A draft of a new banking law is expected to be finalized and submitted to Parliament later this year. In addition, the financial statements of the BRH for FY 2004 were published, however with a year delay. Financial statements for FY2005 have not yet been published. The BRH was also subject to a safeguards assessment in relation to drawings under the EPCA and the vulnerabilities identified by that assessment are now being addressed; and the BRH has strengthened its surveillance of credit cooperatives.

**15. While significant progress has been made in implementing macroeconomic, structural and governance reforms, setting Haiti on a path of economic recovery will remain a major challenge.** Economic recovery will critically require restored security, but a sustained improvement in security will in turn depend on the delivery of quick and visible improvements in the living conditions of the Haitian population. Furthermore, strengthened public institutions and improved economic governance are needed to ensure that economic growth is inclusive and sustained over time. The financial and technical support of the donor community will be critical to help the Government address these challenges. While current conditions in Haiti present significant risks going forward, the provision of HIPC debt relief will contribute to creating fiscal space for much needed poverty-related expenditures and encourage reforms in public expenditure management.

### III. MACROECONOMIC FRAMEWORK AND FUTURE REFORM AGENDA

#### A. The PRSP Formulation Process

**16. In September 2006, the Government completed the preparation of the I-PRSP which was initially drafted in late 2005 by the Transition Government and subsequently revised by the current Government to reflect its development priorities.** The I-PRSP outlines the main areas of intervention envisaged by the authorities to reduce poverty as well as the steps to be undertaken in the preparation of the full Poverty Reduction Strategy

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<sup>19</sup> Jaramillo, L. (2005) "Public Sector Employment in Haiti" IMF Selected Issues Paper, [www.imf.org](http://www.imf.org).

(PRS).<sup>20</sup> The Government's main development priorities are to consolidate macroeconomic stability, enhance physical infrastructure, expand access to social services, improve economic governance and strengthen public institutions. This program represents a continuation of the axes and the strategic objectives of the 2004 ICF, with an increased emphasis on a national development approach including all of Haiti's departments and communes and interventions aimed at meeting pressing social and economic needs in disadvantaged and conflict-prone areas.

**17. The Government has begun the preparation of a full PRSP.** The participation process will be broadened and deepened in the preparation of the full PRSP. The I-PRSP includes a detailed strategy for the consultations which will include members of Parliament, civil society organizations, affected stakeholders, and the donor community and will target the poor through meetings in communes and departments. The I-PRSP also describes the process through which the mechanism for monitoring and evaluation of the PRSP will be developed.

**18. The full PRSP would be expected to build on the I-PRSP** by (i) presenting a comprehensive medium and long-term strategy and an agenda for its implementation; (ii) establishing efficient mechanisms and easy-to-monitor indicators for progress, including for the MDGs; (iii) refining the structural reform agenda and providing more detailed and focused sector strategies; (iv) clearly defining priority expenditures within the framework of a strengthened public sector investment program; and (v) identifying interventions to enhance public sector program and project implementation capacity.

## **B. Macroeconomic Framework<sup>21</sup>**

**19. An important objective of the authorities is to achieve robust and sustainable real economic growth.** Real output growth is projected to average 4.2 percent over the period FY2006–25.<sup>22</sup> In the short term, real output growth is projected to strengthen sharply from 1.8 percent in FY2005 to 4.0 percent in FY2007, assuming significant improvements in security conditions, continued strong external support, and increased public investment. Over the long term (FY2015-2025), real output growth is expected to average 4.5 percent.<sup>23</sup> This

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<sup>20</sup> A joint IDA-IMF Staff Advisory Note on the Interim PRSP, circulated in parallel with the Decision Point document, indicates that the I-PRSP provides an appropriate framework for poverty reduction and use of resources that could become available under the HIPC Initiative.

<sup>21</sup> The macroeconomic projections used in this analysis cover the next 20 years and were prepared in consultation with the authorities.

<sup>22</sup> This is a more conservative projection compared with the one presented in the HIPC Preliminary Document, which assumed an average annual growth of 4.7 percent. The downward revision to growth reflects two factors. First, the assumption of a more gradual reduction in the binding constraints to growth, preventing Haiti from reaching its long-term growth rate rapidly. In the preliminary document, Haiti was expected to reach its long-term (steady-state) growth in FY2011, compared to FY2015 in the Decision Point document. Second, the updated projection makes a more conservative assessment of Haiti's long-term economic growth potential (which was reduced from 5.0 percent to 4.5 percent for the period FY2015-25).

<sup>23</sup> While real GDP growth has been low during the past half century, this largely reflects the impact of episodes of political instability. Excluding these shocks, Haiti experienced periods of high growth, notably in the 1970s, with average real GDP growth close to 4.5 percent, fueled by investment in light manufacturing (in particular the garment assembly industry) and tourism. This sustained period of high growth serves as a benchmark for

projected improvement in real output growth depends critically on maintaining security, sustained political and macroeconomic stability, progress on economic governance, and improvements in social and economic infrastructure, contributing to higher private investment, including FDI.

**20. The authorities are also aiming for low and stable inflation, to foster an environment conducive to long-term growth.** End-of-period inflation has declined from 37.8 percent in FY2003 to an estimated 12.4 percent in FY2006 following substantial fiscal adjustment. Building on recent strengthening of fiscal discipline and change in the conduct of monetary policy, inflation is expected to decline gradually to 5.0 percent by FY2011.

**21. Macroeconomic stability is also expected to be supported by fiscal prudence.** Over the projection period, the central Government overall deficit is expected to average about 2.0 percent of GDP. The Government is expected to increase revenues and seek concessional external financing to allow for increased pro-poor spending, higher investment and the institutional development of central and local Governments, while maintaining debt sustainability after the delivery of HIPC Initiative assistance.

**22. Fiscal revenues are projected to increase gradually to about 16.0 percent of GDP by FY2025, compared to about 9.6 percent over FY2004–06.** The Government intends to implement measures to boost revenues, including through the strengthening of customs control in the provinces, enhanced computerization of tax and customs administration offices, and reinforcing the tax audit mechanism.

**23. Government expenditures are expected to be re-oriented toward strengthening the institutional capacity of the Government and increasing spending in key areas such as security, health and education.** Rebuilding social and economic infrastructure is expected to be the core of the public investment program which is expected to be financed largely by external donors. The framework assumes that the share of pro-poor spending in overall outlays will increase to assist in poverty reduction and meeting the MDGs.

**24. For the long-term growth projection to materialize, Haiti's level of investment has to increase markedly,** by more than 4.0 percentage points of GDP over the projection horizon.<sup>24</sup> Initially, higher investment will come from higher public investment, especially in public infrastructure, helping to create the conditions for private sector development. An improvement in security is pivotal to ensure this outcome. As infrastructure constraints are gradually removed, agricultural production and exports are expected to pick up. Improvement in tourism infrastructure would create favorable conditions for the tourism industry which notably caters to the large Haitian diaspora.

**25. The external current account deficit (excluding grants) is expected to decline from 7.5 percent of GDP in FY2006 to about 5.2 percent of GDP at the end of the projection**

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Haiti's growth potential, and the long-term projection assumes that Haiti enters a path of restored security. However, the sensitivity analysis detailed in section IV F includes a scenario with lower growth.

<sup>24</sup> The investment numbers in the macroeconomic framework reflect the reporting in the Haitian national accounts, which may significantly overestimate investment as a share of GDP. Investment was reported at 27.4 percent of GDP in FY2005.

**period largely due to improvements in net exports.** The import-to-GDP ratio is projected to decline by 2.4 percentage points of GDP in the long term due to lower aid flows and increases in local production, e.g., in the agricultural sector. Rising exports (by 2.0 percentage points of GDP) are also expected to contribute to the improvement in the current account.<sup>25</sup> International reserves are expected to increase from 1.6 months of imports of goods and services in FY2005 to over three months from FY2011.

### C. Reform Agenda

**26. The reform agenda going forward is reflected in the I-PRSP prepared by the Government and presented to IDA and the IMF in September 2006.** The Government has expressed its commitment to maintaining macroeconomic stability, pursuing and deepening the structural and economic governance reform agenda of the last two years and making significant efforts in fighting corruption. The agenda is strong in cross-cutting governance initiatives which, in addition to strengthening security, are necessary if Haiti is to achieve the high, sustained and shared economic growth that is required to reduce poverty and bring about meaningful change in the living conditions of the Haitian population.<sup>26</sup>

**27. The Government intends to continue to strengthen public expenditure management.** Specifically, the Government plans to: (i) align public spending with the priorities identified in the I-PRSP and, when completed, the PRSP, reflecting emphasis on pro-poor growth; (ii) introduce a medium term framework which will include budget projections consistent with the PRSP expenditure priorities; (iii) adopt an automated mechanism to track poverty-reducing public expenditure and publicly disseminate quarterly expenditure reports; and (iv) ensure accountability and oversight of its accounts in strict observance of the prevailing legal framework. In addition, the Government intends to strengthen the procurement function, by adopting and implementing a new law in line with international best practice and ensuring compliance by all Government purchasing agencies, and continue to publish Government contracts awarded. The IMF and IDA staffs will assist the authorities in the evaluation of existing systems of public finance management and the identification of additional areas where further reforms and technical assistance are needed.<sup>27</sup>

**28. The Government also plans to improve the management of public enterprises and road maintenance.** The Government will modernize public enterprises to increase their efficiency and maximize their profitability. Particular emphasis will be given to improving governance and transparency. The Government intends to enforce annual audits of key public enterprises in line with the prevailing legal and regulatory framework guiding them and to ensure that key audit recommendations are addressed. In the electricity sector, all

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<sup>25</sup> Exports of some agricultural products, such as mango and coffee, are expected to be strong, followed by exports of textiles and apparel industry, which are expected to be less robust given the ongoing changes in the world market following the phasing out of the Multi-Fiber Agreement. A potential offsetting impact may result from the HOPE Act and possible future joint production arrangements with Dominican Republic producers. Nevertheless, an increase in textile exports or tourism would not lead to a substantial increase in net exports due to their high import components.

<sup>26</sup> Please see Appendix 1 for a summary of governance measures related to participation, accountability and oversight, and transparency included in the Government's reform agenda.

<sup>27</sup> IDA is conducting an integrated Public Expenditure, Financial Accountability and Procurement Assessment. The IMF will provide further technical assistance to improve public financial management.

Government transfers to the electricity utility (EDH) will be monitored and will be independently verified and a competitive bidding process for petroleum purchases for the sector will be introduced. Also, the Government intends to continue the improvement of the institutional capacity of the road maintenance agency (FER) to ensure good management practices, including transparency and accountability of its operations.

**29. To increase public sector employees' accountability, the Government intends to adopt and implement a law on asset declaration,** including sanctions for non-compliance. In addition, in 2007 the Anti-Corruption Unit (ULCC) will submit for Government approval a multi-sectoral strategy to fight corruption<sup>28</sup>. The Government also intends to continue to support the ongoing mechanism for civil society to monitor economic governance reforms.

**30. Reforms will also focus on improving the monetary policy framework and policy instruments to reduce inflation.** Measures and reforms will include the auction mechanism for central bank bonds, recapitalization of the central bank, which will also cease its non-core activities, and submission to Parliament of a new central bank law. Financial statements of the BRH will be subject to annual audits and their results published. The Government also intends to submit a new banking law and issue implementing regulations. Additional measures may be taken in the financial sector following a Financial Sector Assessment to be conducted at the request of the Government by the IMF and IDA in early 2007.

**31. The Government is committed to forcefully implement measures to boost revenue and fight fraud and tax evasion.** In particular, it plans to establish customs control at all ports of entry and borders, reinforce and restructure tax collection agencies, increase the accountability of collection agents, and enhance computerization of tax and customs administration offices. In addition, to reduce the vulnerability of the budget to external shocks, the Government will continue to implement a flexible price-setting mechanism for petroleum prices.

**32. Private sector development is key for growth in Haiti.** The Government intends to promote the sector by improving security and stability, enhancing infrastructure and protecting property rights, establishing one facilitation center for investors, and over the medium term revising the relevant investment and tax laws. With 62.5 percent of the Haitian population living in rural areas, most of which are poor, increasing agricultural productivity and diversification are amongst the Government's priorities to revitalize the economy and reduce poverty. The actions and reforms that the Government plans to introduce in this sector include: (i) increasing smallholder access to credit and other agricultural inputs; (ii) rehabilitating agricultural infrastructure; (iii) improving land tenure rights to promote investment in irrigation and storage; and (iv) increasing extension activities and the promotion of new seed varieties.

**33. The authorities intend to modernize and strengthen the Central Government.** This will involve first determining the number, mission, and function of ministries and autonomous entities and later rationalizing employment and the salary policy in the public sector. Such systemic restructuring of the civil service will help increase the efficiency of the

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<sup>28</sup> Information from the diagnostic survey referred in footnote 17 will inform the preparation of the strategy.

use of scarce human resources. Over the coming year, the Government plans to update the public sector employee database and ensure its regular use, and define the system, applicability and procedures for new recruitments and promotions based on performance. Decentralization of Government authority and public services, through a medium-term plan requiring significant strengthening of institutional capacity for effective local Government functioning, will help Government services to be closer to the users and promote inclusion and participation of all levels of the population.

**34. The Government's plan for the Education Sector is described in the National Education and Training Plan (NETP).** The NETP, and most recently the I-PRSP, define key actions and reforms required to improve the education system and broaden access, particularly of the poor: (i) increase public resources allocated to education for both improved access and quality; (ii) strengthen the capacity of the Government to fulfill its planning, coordination and normative responsibilities; and (iii) establish the National Education Partnership Office (NEPO) and the National Partnership Fund (NPF). The NEPO is designed to promote policy dialogue and operational coordination between the public and non-public sectors, including supervision and evaluation of non-public schools by the State while the companion NPF would provide a public financing mechanism to help poor families pay for the school fees of their children in non-public schools. This is the first real sector governance structure which encompasses all key education stakeholders, promoting not just effective dialogue between the public and non-public sectors but also accountability and transparency in the use of public education funds, particularly those channeled through the National Partnership Fund.<sup>29</sup>

**35. The Government is preparing a National Strategic Plan for the Reform of the Health Sector (NSPRHS).** The NSPRHS and also the I-PRSP, define as key actions and reforms to increase the access and quality of health service provision: (i) increase public resources to improve access and quality of health care; (ii) strengthen the capacity of the Government to fulfill its planning, coordination and normative responsibilities; (iii) promote policy dialogue and operational coordination between the public and non-public sectors; (iv) enhance preventive measures, particularly by introducing mass immunization campaigns for infants and school children; (v) increase the number of health units at the commune level that can provide a minimum service package; (vi) expand the availability of essential drugs; and (vii) introduce a transparent and accountable mechanism to provide free access to health services to the poorest Haitians.

**36. The Government plans to prepare a strategy to combat HIV/AIDS in consultation with civil society and the donor community.** The I-PRSP indicates that the strategy will also define the institutional framework needed for the planning, coordination and monitoring of the actions and reforms introduced in the context of the strategy. In parallel, the authorities intend to continue the ongoing efforts to improve care for those already infected and to raise awareness and prevention.

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<sup>29</sup> The NEPO is expected to be governed by an eight-member Board of Directors which will include representatives from non-public education service providers, parents' associations, teachers' unions, the Ministry of Finance and the Ministry of Education.

37. **To improve access and the quality of water as well as the provision of sanitation**, the Government plans to implement the following actions and reforms: (i) reorganize the public institutions of the water sector; (ii) improve and protect water sources; and (iii) ensure the regular collection of solid residues. The Government plans to define its agenda for other sectors, notably environment, infrastructure, manufacturing and tourism. The I-PRSP introduces the broad lines for the development of these sectoral strategies. Given the nature and depth of the challenges facing Haiti and the existing weak institutional capacity, the impact of the reforms is expected to be incremental and have a medium to long term horizon.

#### IV. DEBT SUSTAINABILITY ANALYSIS (DSA) AND ENHANCED HIPC ASSISTANCE

##### A. Debt Reconciliation Status

38. **The DSA presented below was prepared jointly by the authorities and the staffs of IDA and the IMF**, based on loan-by-loan data for public and publicly-guaranteed debt outstanding and disbursed as of end-September 2005 provided by the authorities and creditors. The reconciliation process was completed in September 2006, with 100 percent of multilateral and bilateral debt reconciled.<sup>30</sup>

##### B. Structure of External Debt

39. **Haiti's public and publicly guaranteed external debt was estimated at US\$1.3 billion in nominal terms** as of end-September 2005, equivalent to US\$932.9 million in NPV terms (Table 3 and A1).<sup>31</sup> Multilateral creditors accounted for 82.2 percent of the total, with IDA and the IDB representing 37.9 percent and 40.0 percent of total claims, respectively.<sup>32</sup> Bilateral creditors accounted for 17.8 percent of Haiti's external debt, with Paris Club creditors accounting for 14.4 percent.<sup>33</sup>

40. **Bilateral creditors have indicated their willingness to reschedule arrears and debt service payments in the context of the PRGF arrangement and the HIPC decision point.** Italy, France, and Spain are the largest bilateral creditors, with 5.2 percent, 4.8 percent and 2.9 percent of total claims, respectively. Claims by these creditors include approximately US\$35.4 million in arrears. Haiti has obtained an informal deferral on debt service payments from Italy, France, and Spain during the program supported by the EPCA.

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<sup>30</sup> Compared to the preliminary document, the decision point document includes bilateral loans administered by IDA. This translates into an increase in the stock of outstanding debt at end-September 2005 of approximately US\$4 million (US\$1.5 million in NPV terms). Furthermore, a loan administered by the IDB for the Venezuelan Trust Fund has been reclassified from multilateral to bilateral. The decision point document also incorporates a small revision to the NPV of multilateral debt at end-September 2005, compared to the estimate in the preliminary HIPC document. In the preliminary document, the concessionality included in the arrears clearance operation of IDA was estimated at US\$32.8 million in NPV terms, which has been revised to US\$33.1 million. The estimate for the IDB Group remains unchanged.

<sup>31</sup> These estimates are based on scheduled debt service of current maturities and, therefore, do not reflect the simulation of full delivery of traditional debt relief.

<sup>32</sup> The IDB is one of Haiti's main donors, supporting actions and policies in many areas, including public expenditure management, infrastructure and the provision of basic social services.

<sup>33</sup> Haiti has no external commercial creditors.

Table 3: Haiti: External Debt, end-September 2005  
(in units indicated)

	US\$ million	% of total
Total	1,336.3	100.0
Multilateral	1,097.8	82.2
IDA	507.1	37.9
IDB Group	533.9	40.0
Other	56.8	4.2
Bilateral	238.5	17.8
Memorandum Items:		
NPV of debt after traditional debt relief	928.3	...
% of exports	176.7	...
Sources: Haitian authorities and staff estimates		

41. **Arrears to all multilateral creditors have been cleared.** In 2004, Haiti cleared about US\$1 million in arrears to the International Fund for Agricultural Development (IFAD) and the OPEC Fund for Development. Concessional arrears clearance operations were also approved by the IDB and IDA. In particular, Haiti cleared US\$30.9 million in arrears to the IDB in July 2003, and US\$52.3 million to IDA in January 2005. The NPV reduction contained in these operations is estimated at US\$33.1 million for IDA and US\$9.7 million for the IDB Group. In accordance with the methodology agreed with multilateral development banks, the NPV of Haiti's external debt (as of end-September 2005) includes the NPV reduction contained in the arrears clearance operations of the IDB and IDA.<sup>34</sup>

### C. Possible HIPC Initiative Assistance

42. **Haiti's debt in NPV terms, after full application of traditional debt relief mechanisms, is estimated at US\$928.3 million (as of end-September 2005).** This is equivalent to 176.7 percent of exports of goods and services (Table A2).<sup>35</sup> Haiti qualifies for debt relief under the HIPC Initiative's export window, having an NPV of debt-to-exports ratio above the 150 percent threshold.

43. **The reduction of Haiti's NPV of debt-to-exports ratio from 176.7 percent to 150 percent would require HIPC debt relief of US\$140.3 million in NPV terms.** This implies a common reduction factor of 15.1 percent. Based on proportional burden sharing, multilateral assistance would amount to US\$120.0 million (in NPV terms) and bilateral assistance to US\$20.4 million (in NPV terms).

44. The modalities and timing of the delivery of the HIPC Initiative assistance will be decided by each creditor following the approval of the decision point. Nevertheless, in order

<sup>34</sup> See the attachment to "HIPC Debt Initiative: the Chairman's Summary of the Multilateral Development Banks' Meeting," March 6, 1998, IDA/Sec M98-90.

<sup>35</sup> The NPV of debt-to-export ratio is calculated using a backward-looking three-year average of exports of goods and services.

to assess the impact of the HIPC Initiative assistance the following assumptions have been made<sup>36</sup>:

- **IDA** will provide assistance amounting to US\$52.8 million in NPV terms, including US\$33.1 million already provided through the concessional rescheduling of arrears. Immediately following the approval of the decision point by the Boards of IDA and the IMF, IDA will begin to provide the remaining assistance (US\$19.7 million) in the form of debt-service reduction on debt outstanding and disbursed as of end-September 2005.
- **IMF** assistance is estimated at US\$3.1 million in NPV terms. Immediately following the approval of the decision point by the Boards of IDA and the IMF, the IMF will extend interim assistance—provided that the necessary financing assurances are in place—in the form of debt-service reduction. Following the approval of the prospective PRGF arrangement, Haiti is expected to repurchase the amounts outstanding under the EPCA with more concessional PRGF resources. This would result in relatively low levels of debt service falling due during the interim period. As a consequence, most of the IMF's HIPC Initiative assistance is expected to be disbursed after the completion point.<sup>37</sup>
- **The IDB** assistance will amount to US\$60.4 million in NPV terms, including US\$9.7 million already provided through the concessional rescheduling of arrears.<sup>38</sup> The remaining US\$50.7 million (in NPV terms) in assistance is expected to be delivered through a reduction in debt service.
- **All other multilateral creditors** are assumed to provide debt-service reduction starting at the decision point or the completion point, until their contributions meet the requirement under the HIPC Initiative.
- **Paris Club bilateral creditors** are assumed to provide a flow rescheduling on Cologne terms—i.e., a 90 percent NPV reduction—after Haiti reaches the decision point, with delivery of the remaining required assistance at the completion point through a stock-of-debt operation. The rescheduling on Cologne terms is expected to translate into US\$14.9 million in NPV terms.
- Comparable treatment would be provided by non-Paris Club official bilateral creditors.

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<sup>36</sup> In line with the government's objectives, Haiti is assumed to reach completion point in September 2008.

<sup>37</sup> The preliminary HIPC document did not take into account the repurchase of the amounts outstanding under the EPCA with PRGF resources because it had not yet been approved by the IMF Board. The decision point document is presented together with the request for a PRGF arrangement, and hence incorporates the repurchase. This implies revisions, relative to the preliminary document, of the NPV of debt to the IMF and debt service to the IMF from 2007 onwards.

<sup>38</sup> The IMF and IDA have requested the IDB, as well as other multilateral creditors, to confirm their intention to provide assistance to Haiti under the HIPC Initiative. The IMF and IDA have also requested the views of the IDB on the estimate of the concessionality provided through its rescheduling of arrears.

45. **Based on these assumptions, the HIPC Initiative would provide debt relief totaling US\$ 212.9 million (in nominal terms) over time.** This represents a contribution of US\$ 110.9 million from multilateral creditors and US\$ 102.0 million from bilateral creditors. Interim debt relief is estimated to amount to US\$19.8 million, US\$13.3 million in FY2007 and US\$6.5 million in FY2008 (Table A4).<sup>39</sup>

46. **Status of creditor participation.** IDA and IMF staffs have initiated consultations with multilateral creditors and the Paris Club. So far, IDA, IMF, IDB, IFAD and Paris Club creditors have indicated their willingness to provide HIPC Initiative debt relief to Haiti.<sup>40</sup> These creditors account for 95.7 percent of total HIPC Initiative relief.

#### D. Debt Sustainability Analysis

47. **The debt sustainability analysis presented in this section is based on an updated macroeconomic framework compared to the preliminary document** (see Box 1). However, the main assumptions underpinning the macroeconomic framework remain broadly unchanged. The framework assumes sustained economic growth, underpinned by improved security and political stability, the decisive implementation of structural reforms, particularly in the areas of economic governance, and infrastructure improvement to promote private investment. The framework also assumes the continuation of sound macroeconomic policies, including maintaining fiscal prudence while increasing revenues and seeking concessional external financing.

48. Under the updated macroeconomic framework and assuming the unconditional delivery of HIPC Initiative assistance, **Haiti's NPV of debt-to-exports ratio is expected to fall gradually from 150 percent as of end-September 2005, to approximately 99 percent by 2025** (Table A5).<sup>41</sup> The NPV of debt-to-exports ratio is expected to remain consistently below the HIPC threshold of 150 percent throughout the projection period. External debt service as a ratio of exports is also expected to decline gradually.

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<sup>39</sup> Interim assistance is estimated to fall in FY2008, reflecting a decline in interim assistance from IDA due to the limitation of the one third limit on NPV of assistance during the interim period (Table A10).

<sup>40</sup> The IDB and IFAD have agreed, in principle, to provide HIPC debt relief to Haiti.

<sup>41</sup> Calculations based on staff projections for end-September 2006 suggest that Haiti's debt in NPV terms could reach 150 percent of exports of goods and services in 2007 without receiving HIPC Initiative assistance.

**Box 1. Key Macroeconomic Assumptions Underlying the DSA**

Key medium-to-long term macroeconomic assumptions used in the baseline DSA scenario include:

**Annual real GDP growth** averages 4.2 percent over the projection period (FY2006-25).

**CPI inflation** is projected to decelerate from 12.4 percent in FY2006 to 5.0 percent in the long term.

**Investment ratio** is projected to increase by over 4.0 percentage points of GDP in the long term. Public investment is expected to increase from 5.0 percent of GDP in 2006 to about 7.6 percent of GDP in FY2009.

**Fiscal policy** aims at achieving the Government's spending priorities while maintaining macroeconomic stability. Central Government revenues are expected to increase gradually from 10.2 percent of GDP in 2006 to about 16.0 percent of GDP by FY2025. Expenditures are expected to increase to almost 21 percent of GDP in the long term with an increased share of pro-poor spending in overall outlays. The central Government overall deficit and external financing requirements, before HIPC Initiative assistance, are projected to average 2.0 percent of GDP over the projection period.

**Official loan financing** (excluding the IMF) is assumed to be on concessional terms over the projection period, in line with historical experience. IMF loans are expected to be on PRGF terms. Other official loan financing is assumed to be mainly on concessional rates on terms comparable to IDA and the IDB (95 percent of total). The remaining 5 percent are assumed to be covered by bilateral donors on less concessional terms. The resulting grant element for new disbursements is estimated at about 45 percent.

**External grants** are expected to increase at a lower rate than GDP, declining from 5.6 percent of GDP in FY2007 to 2.9 percent by FY2025, as the overall political situation and per capita GDP improve.

**The external current account deficit** (excluding external grants) is projected to decline gradually from an average of 8.2 percent over the FY2006-2015 period, to 5.2 percent by FY2025.

**E. MDRI and Possible Bilateral Assistance Beyond HIPC**

49. **Haiti would qualify for MDRI debt relief from IDA upon reaching the completion point.** However, at completion point Haiti is not expected to have eligible debt for MDRI relief from the IMF.<sup>42</sup> The MDRI debt relief provided by IDA would cover all outstanding debt disbursed prior to end-December 2003 (that is not already subject to HIPC debt relief), and MDRI debt relief would start at the beginning of the quarter following the completion point.

50. **MDRI debt relief from IDA could amount to US\$464.4 million in nominal terms (US\$243.3 million in NPV terms),** assuming that Haiti reaches the completion point by end-September 2008. This compares with possible HIPC Initiative assistance of US\$212.9 million (US\$140.3 million in NPV terms). Haiti would forgo an estimated US\$18.6 million in debt relief in the event of a one year delay in reaching completion point.

51. **After conditional delivery of HIPC assistance and MDRI, Haiti's NPV of debt-to-exports ratio is expected to fall significantly to 91.2 percent at completion point, from an estimated 153.5 percent at the end of FY2007** (Table A6 and Figure 2). It is expected to

<sup>42</sup> Haiti is scheduled to repay all eligible debt—debt that was outstanding to the IMF before December 31, 2004—by December 2006.

remain within the 91-102 percent range over the projection period.<sup>43</sup> Compared to the projection including only HIPC assistance, this represents a reduction of almost 40 percentage points at completion point (Table A6 and Figure 2).

**52. The expected delivery of bilateral assistance beyond that required by the HIPC Initiative would further reduce the NPV of debt-to-exports ratio to about 94.1 percent by FY2025,** compared with the 98.6 percent that would be attained under the HIPC Initiative alone. The amount of possible bilateral assistance beyond HIPC is estimated at about US\$118.1 million in nominal terms.

#### F. Sensitivity Analysis

**53. Three scenarios are suggested to test the sustainability of Haiti's external debt, after assuming full delivery of HIPC Initiative assistance** (Table A7 and Figure 2).

- The first scenario considers the sensitivity of the projections to **less favorable concessionality on new borrowing**. Interest rates in this scenario are assumed to be 100 basis points higher than in the baseline scenario. Under this scenario, Haiti's NPV of debt-to-exports ratio slowly deteriorates, compared to the baseline scenario. This deterioration would reach 17.2 percentage points in FY2025, leaving the ratio at about 115.7 percent in 2025.
- The second scenario considers the sensitivity of the projections to **lower exports growth**. In this scenario, exports are assumed to grow at 5.0 percent, an average reduction of about 2.5 percentage points compared to the baseline scenario.<sup>44</sup> Lower export growth is assumed to reduce Government revenues, through lower GDP, and to increase the need for new financing. Based on these assumptions, the NPV of debt-to-exports would breach the HIPC threshold in FY2011 and reach 171.7 percent in FY2025 (Table A7). Compared to the baseline scenario, this represents a deterioration of approximately 0.4 percentage points in FY2006, steadily increasing to almost 73.2 percentage points by FY2025.
- The third scenario considers the sensitivity of the projections to **lower GDP growth**. In this scenario, GDP growth is assumed to be 2.0 percentage points lower on average than in the baseline scenario. Inability to significantly enhance security, improve social and economic infrastructure, and implement structural reforms would weaken private sector confidence and investment. The resulting lower GDP growth would translate into lower Government revenues and the need for increased new borrowing. Under this scenario, the NPV of debt-to-exports would slowly decline until FY2012, reaching 131.8 percent. Thereafter, the NPV of debt-to-exports would gradually increase reaching 161.8 percent by FY2025. Compared to the baseline scenario, this represents an increase in Haiti's NPV of debt-to-exports ratio of about 0.4 percentage points in FY2006 increasing to 63.2 percentage points by FY2025.

<sup>43</sup> This assumes that MDRI has no impact on Haiti's new borrowing or economic growth over the projection period.

<sup>44</sup> In this scenario, export growth is set at 5.0 percent, equivalent to the average over the last three years (12 percent) minus one standard deviation (7 percent).

54. **The sensitivity analysis indicates that Haiti's exports performance is pivotal to service its external debt after HIPC assistance.**<sup>45</sup> A robust external debt position would also be contingent on vigorous real GDP growth and the composition and terms of external assistance. The analysis also underscores the importance of strong and sustained Government's efforts to: (i) re-establish security; (ii) provide a conducive environment for private investment, notably through infrastructure improvement and strengthening of state institutions, to develop exportable production (traditional and nontraditional); and (iii) implement a prudent debt management strategy. For their part, donors will need to ensure that external assistance is heavily weighted toward grants.

## V. THE FLOATING COMPLETION POINT

### A. Triggers for the Floating Completion Point

55. **IDA and IMF staffs have reached understandings with the authorities on the completion point triggers, summarized in Box 2.** The triggers incorporate the views expressed by Executive Directors during the discussions of the preliminary HIPC document. In addition to the standard triggers on the PRSP, macroeconomic stability, medium-term macroeconomic framework, tracking of poverty related expenditures, and alignment of priority expenditures with those identified in the I-PRSP and PRSP, there are specific and monitorable policy measures on public finance management and governance, tax policy and administration, social sectors, and external debt management. These triggers support the economic and social development of Haiti and are considered essential to the success of the HIPC Initiative in the country. Public finance management and governance triggers reflect the need to (i) strengthen public finance management and transparency, notably in the areas of budget management, public expenditure controls and procurement; (ii) enhance accountability of high public sector officials for their sources of income and assets; and (iii) promote governance and transparency in key public enterprises. Triggers on tax policy and administration are intended to increase the revenue-to-GDP ratio, which is considerably lower in Haiti than in other PRGF-eligible countries. The Government plans to meet the triggers within two years of the HIPC Decision Point<sup>46</sup>.

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<sup>45</sup> However, the sensitivity analysis does not consider the impact of MDRI or additional bilateral assistance.

<sup>46</sup> The triggers were formulated in consultation with the authorities. The actions and policies included are part of the Government's agenda, as specified in the I-PRSP and the extended ICF, and have ongoing or planned financial support from many donors and are expected to benefit also from HIPC resources.

### Box. 2 Triggers for the Floating Completion Point

1. **PRSP:** Preparation of a full PRSP through a participatory process and satisfactory implementation of its recommended actions for at least one year, as evidenced by an Annual Progress Report submitted by the Government to satisfaction of IDA and the IMF.
2. **Macroeconomic Stability:** Maintenance of macroeconomic stability as evidenced by satisfactory performance under the PRGF-supported program.
3. **Public Finance Management and Governance:** (a) Adoption of an automated mechanism to track public expenditures for poverty reduction on the basis of existing expenditure classification, publication of quarterly reports on these expenditures executed over a period of at least six months preceding completion point; (b) Alignment of public spending priorities with the I-PRSP, and, when completed, the PRSP, reflecting emphasis on pro-poor growth; (c) Up-to-date preparation of Government accounts by the MEF and their annual audit by the CSCCA, submission to Parliament and publication of audited Government accounts following generally accepted audit standards and legally mandated timetable; (d) Adoption and satisfactory implementation of a new public procurement law, in line with international best practice. Compliance by all Government purchasing agencies evidenced by independent audit of contracts above US\$1m equivalent and also of a representative random sample of all other Government contracts, awarded during the 6 months preceding the audit; (e) Adoption of a law on asset declaration and submission to the CSCCA and to the Parliamentary ethics and anti-corruption commissions of at least one annual compliance report on the monitoring of the asset declarations covering the preceding year.<sup>47</sup>
4. **Structural Reforms:** Strengthen tax administration and policy by: (a) reinforcing and establishing customs control in Cap Haïtien, Gonaives, Saint Marc, Miragoane, Malpasse, Ouanaminthe and Belladere, including by installing ASYCUDA; (b) extending use of the central taxpayer file to all taxpayers in the Port-au-Prince metropolitan zone and registering in it all the taxpayers identified in the tax centers of Cayes, Miragoane, Saint Marc, Port de Paix, Cap Haïtien and Fort Liberté.
5. **Social sectors: Education** (a) Adoption and satisfactory implementation of a public financing mechanism to help poor families pay for costs of school fees in non-public schools to allow enrollment of an additional 50,000 out-of-school children in primary school as evidenced by the results of an independent audit of schools receiving public transfers; (b) Actual recurrent expenditures for education reach at least 21% of actual total recurrent Government spending, of which at least 50% is spent on primary education, over the 12 months preceding completion point, enabling inter alia the training of 2,500 new primary teachers (at least 1 year) and on average two visits per year of all primary schools by MENJS inspectors. **Health and HIV/AIDS:** Increase by at least 10 percentage points immunization rates for DPT3, BCG and measles; approval by the Government of National Policy, Strategic Plan and Scale up Operational Plan for HIV/AIDS prevention and treatment.
6. **Debt management:** (a) Centralization of all information on public external and domestic foreign currency debt in a single database; (b) publication of two consecutive up-to-date quarterly reports on external debt data with a maximum 3 month lag in the period immediately before the completion point.

### B. Monitoring the Floating Completion Point Triggers

**56. IDA and IMF staffs will work together to monitor the completion point triggers, with each institution leading on issues where its staff has primary competence, while also incorporating contributions of the staff from the other institution. IMF staff will**

<sup>47</sup> The law would 1) require, at a minimum, that the individuals formally identified by the Constitution and public officials designated as *comptables des deniers publics* declare annually i) all assets they, their spouses, and dependent children own or have the beneficial use of, (ii) all income received from whatever source; 2) sanction all individuals who either do not submit a declaration or submit a false one; and 3) assign to the ULCC the responsibility to ensure the monitoring of the evolution of the assets of the aforementioned individuals and to present to the CSCCA and the Parliamentary ethics and anti-corruption commissions the results of its monitoring through annual compliance reports.

take the lead in monitoring macroeconomic stability and budget control and management. IDA staff will take the lead in monitoring progress in the preparation of the PRSP, as well progress on sector-related triggers, including those pertaining to governance, service delivery, and tracking poverty-related expenditures (including those financed by HIPC Initiative assistance). IDA and IMF staffs will jointly monitor structural reform and progress in improving external debt management.

### **C. The Use and Monitoring of Enhanced HIPC Initiative Assistance**

**57. The Government is committed to ensuring that assistance under the HIPC Initiative is used to enhance poverty related spending.** Securing the effective use of debt relief assistance for poverty reduction and, more generally, the capacity to implement and monitor a shift in the composition of expenditure toward poverty-related objectives is a key element of the HIPC Initiative. The authorities will continue their ongoing efforts to strengthen the programming, management and control of public expenditures, and to improve service delivery in key sectors. Within this framework, the technical assistance that is already being provided by IDA, IMF, IDB and other donors will be important to establish adequate budget management capacity.

**58. While Haiti does not have a budget classification by program or a fully functional budget classification, there are mechanisms in place that can be used to adequately monitor the use of resources made available by the HIPC Initiative.** The June 2006 joint IMF and IDA Assessment and Action Plan (AAP) for tracking poverty-related expenditure concluded that the recently introduced budget and accounting classifications allow monitoring of budget allocations and expenditures following two dimensions: (i) administrative (ministries, central and regional departments) including development projects; and (ii) economic (expenditure types). The budget is also presented in the annexes of the budget law following a functional classification with 10 broad categories (such as education and health). The functional classification is prepared from broad estimates from the administrative classification. Also, in the absence of a program budget, projects are individually coded within the administrative classification allowing recording and reporting on projects' expenditures.

**59. On the basis of the AAP recommendations, the use of resources made available by the HIPC Initiative prior to completion point will be monitored at the entity (e.g., ministries, public institutions, and executing agencies) and the project levels.** Entities, which are already coded in the budget classification, will be identified according to their core mandate in relation with poverty reduction. The same process will be followed to identify individual projects in areas which contribute to poverty reduction as defined in the I-PRSP. There are already mechanisms in place to record expenditures according to their destinations. This will allow monitoring both budget allocations and expenditures for both the entities and projects identified as contributing to poverty reduction.<sup>48</sup>

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<sup>48</sup> The process of identification of entities and projects is ongoing. IDA staff will be assessing progress in early November 2006.

**60. The Government intends to use HIPC related savings to fund activities identified in the I-PRSP and which will be included in the PRSP.** The relatively limited resources from HIPC initiative assistance would focus largely on health, education, water and environment while other areas, such as major infrastructure programs, would be financed by other external resources (Box 3). The poverty-related programs and projects to be financed within the interim assistance have been included in the FY2007 budget and would need to be included in subsequent budgets. In addition, IDA's ongoing Economic Governance Technical Assistance Grant II (EGTAG II) and a follow-on Economic Governance Reform Operation II (EGRO II) currently under preparation will provide resources to strengthen and modernize the public procurement system with the above mentioned adoption and implementation of a new procurement law promoting transparency and competition in line with international best practices.

**Box 3. Expenditure Priorities for the Use of Enhanced HIPC Assistance**

**Education**

- Education for All (EFA) program.
- Training of new primary level teachers
- Provision of textbooks, teaching material and uniforms.
- School feeding program.

**Health**

- Improving the availability of drugs, immunization programs (including in remote areas using mobile brigades), prevention campaigns against malaria, parasite control in schools.
- Surveys on the prevalence of iodine and micronutrient deficiencies and programs to address these deficiencies.
- Equipment and supplies for maternity wards of health centers and hospitals.
- HIV/AIDS prevention and general health education activities.
- Strengthening epidemiology services.

**Water Supply and Sanitation**

- Improving access to potable water and sanitation for poor urban and rural households.

**Environment**

- Environmental protection and natural disaster prevention activities.

**61. The periodic budget execution reports published by the MEF on its web page provide a tool to monitor and publicly disseminate the use of resources made available by the HIPC Initiative in-year.** Measures are also being taken to become current with the audit of the annual Government accounts by the CSCCA. This will provide external and independent validation of the budget execution reports. The Government intends to institutionalize monitoring and evaluation mechanisms in the context of the PRSP, which will have an important role in providing oversight on the allocation of resources for poverty reduction, notably savings from debt relief.

**D. The Views of the Authorities**

**62. The authorities have emphasized that Haiti's external debt burden and debt service are unsustainably high and could delay the economic and social reform**

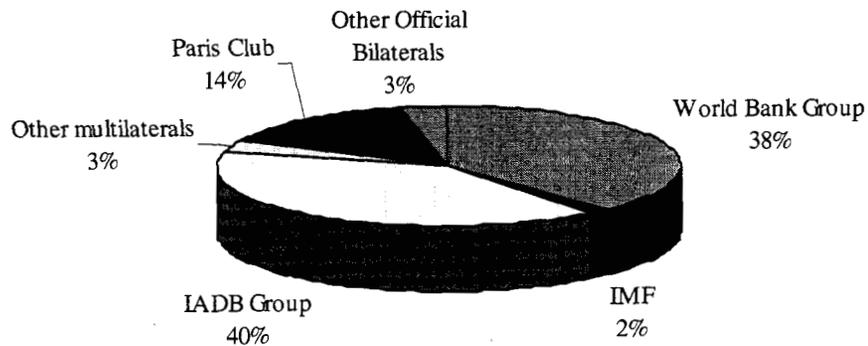
**programs.** They have also noted that Haiti is the poorest country in the Western Hemisphere and one of the poorest in the world, with a significant share of the population lacking access to basic services such as education, health and safe water. The authorities have indicated that the violence and political instability that marred the country aggravated the level of poverty, especially in urban slums. Debt relief that could be available under the HIPC Initiative would help free resources to finance critical social and infrastructure programs as well as improve access to primary education, preventive health care and the fight against HIV/AIDS. For the authorities, the resulting improvements in social conditions will help in the efforts to reverse violence and political instability.

## VI. ISSUES FOR DISCUSSION

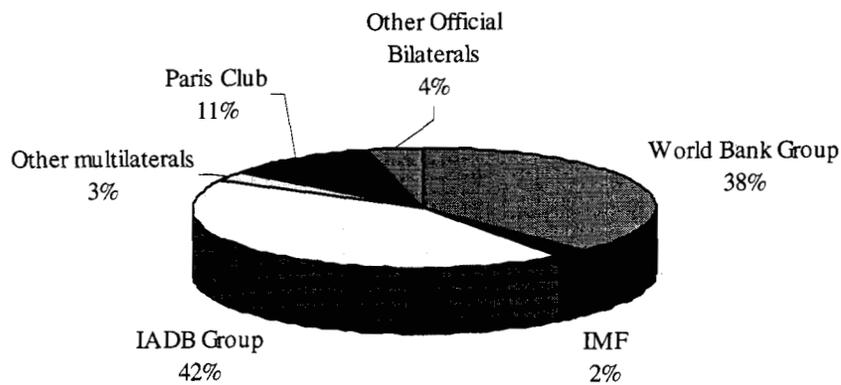
**63. This paper presents a decision point assessment of Haiti's qualification for assistance under the HIPC Initiative. Executive Directors' views and guidance are sought in particular on the following issues:**

- **Qualification and decision point:** Do Directors agree that Haiti qualifies for assistance under the HIPC Initiative, and do they recommend approval of a decision point?
- **Amount and delivery of assistance:** In order to reduce the NPV of debt to exports ratio to 150 percent, the total amount of assistance under the HIPC Initiative is estimated at US\$140.3 million in NPV terms (Table A2). Of this amount, IDA would provide total assistance amounting to US\$52.8 million in NPV terms, including an estimated US\$33.1 million related to the concessional rescheduling of arrears in early 2005. IMF assistance would total US\$3.1 million in NPV terms. The staff and management recommend that IDA and the IMF provide interim assistance in line with existing guidelines. Do Directors agree that the IMF and IDA should provide interim assistance between the decision and completion points, in line with existing guidelines?
- **Completion Point:** Do Executive Directors agree that the floating completion point will be reached when the triggers in Box 2 have been met? Debt relief will be provided unconditionally only when the completion point triggers have been met and satisfactory assurances have been received of other creditors' participation under the enhanced HIPC Initiative for Haiti.

**Figure 1A. Haiti: Composition of Stock of External Debt at End-September 2005 by creditor group**  
(Nominal stock: \$1.336 million)

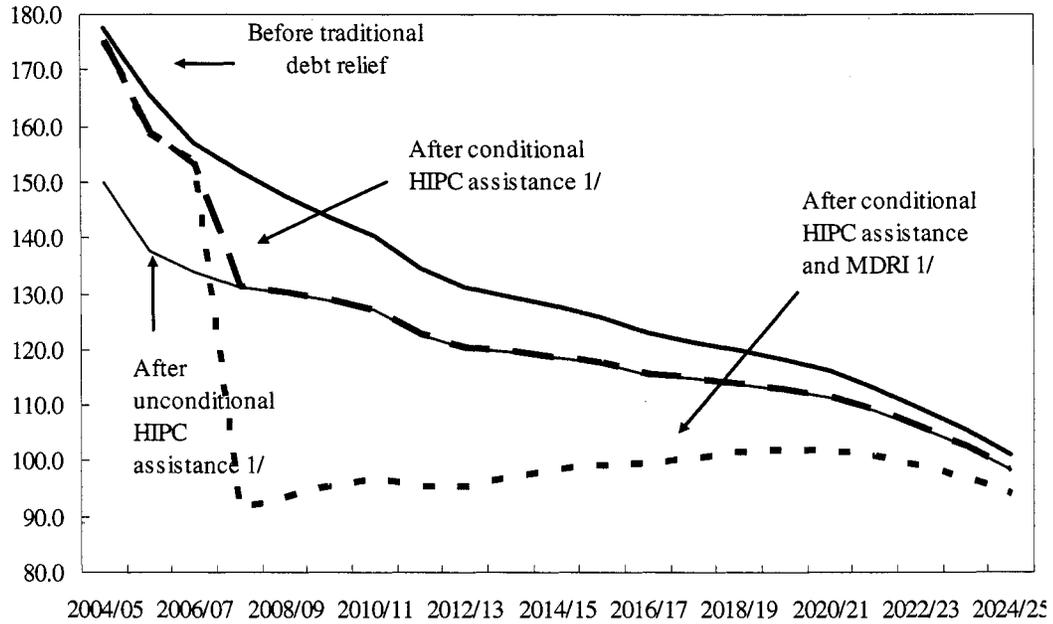


**Figure 1B. Haiti: Potential costs of the HIPC Initiative by creditor group**  
(Total Estimated HIPC Enhanced Assistance: \$140 million, end-September 2005 NPV terms)

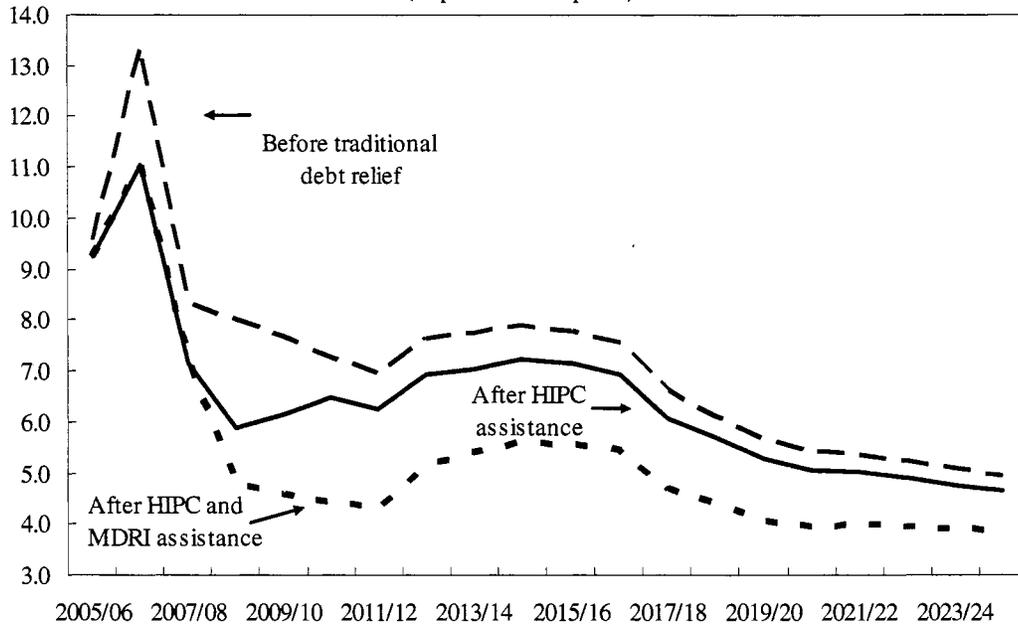


**Figure 2. Haiti: External Debt Sustainability Indicators, 2005-25**

NPV of Debt to Exports  
(In percent of Exports)



Debt Service to Exports  
(In percent of Exports)



**Figure 3. Haiti: Sensitivity Analysis, 2005-25**

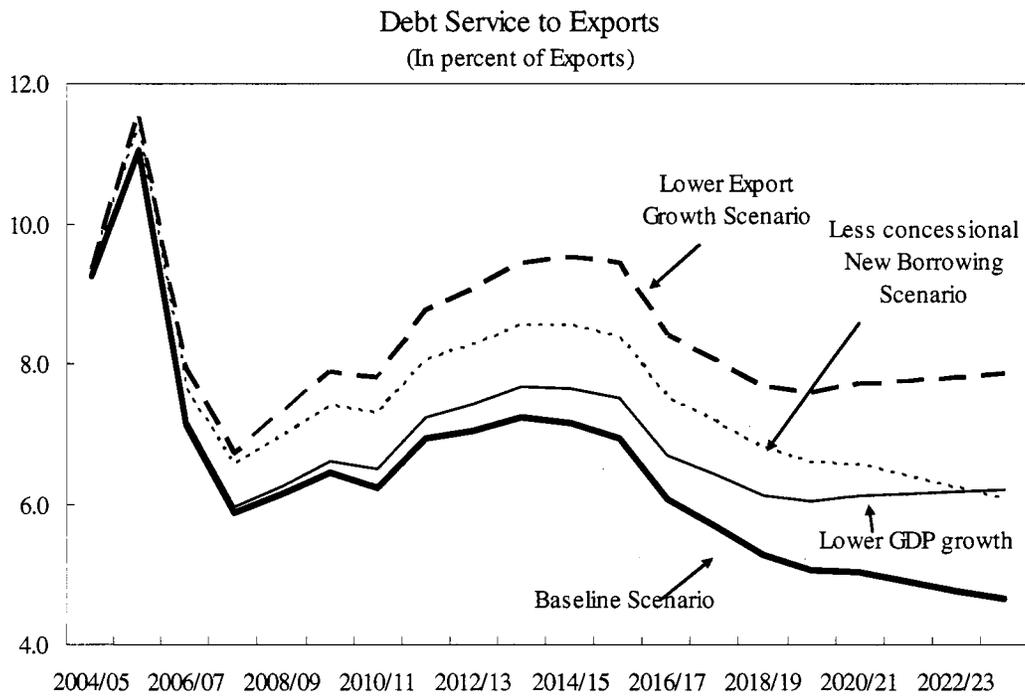
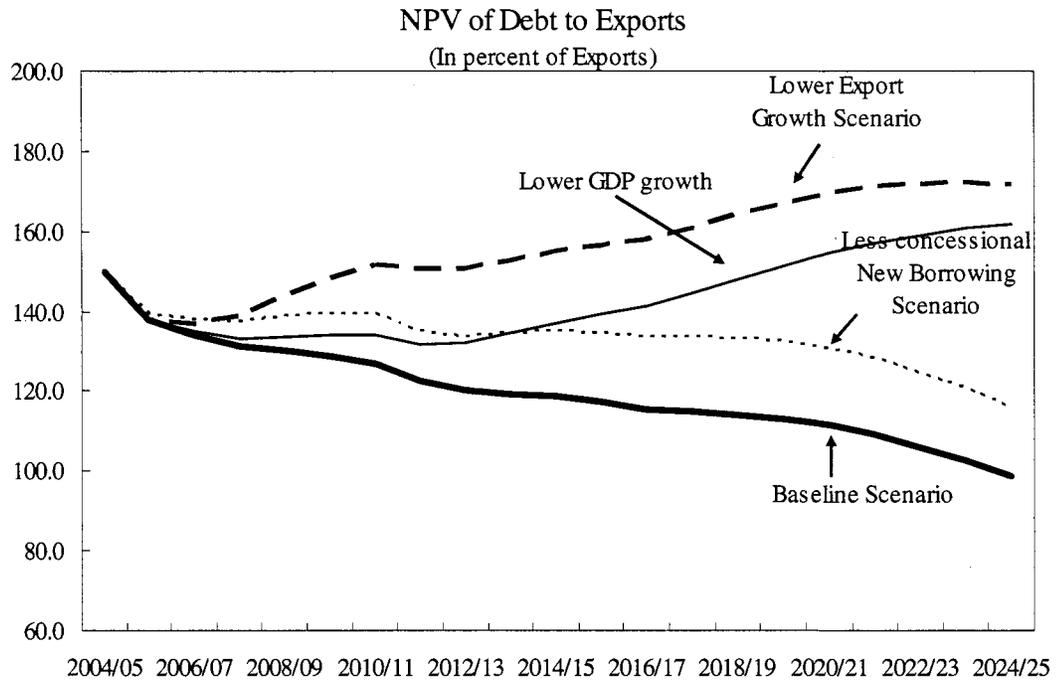


Table A1. Haiti: Nominal Stock and Net Present Value of Debt at end-September 2005 by Creditor Groups  
(In million of US\$ unless otherwise specified)

	Nominal Debt Stock		Arrears		NPV of Debt		NPV of Debt After Traditional Debt Relief 1/ 2/	
		Percent of total		Percent of total		Percent of total		Percent of total
Total	1,336.3	100.0	35.4	100.0	932.9	100.0	928.3	100.0
Multilateral	1,097.8	82.2	0.0	0.0	750.6	80.5	793.5	85.5
World Bank	507.1	37.9	0.0	0.0	316.3	33.9	349.4	37.6
IMF	21.4	1.6	0.0	0.0	20.6	2.2	20.6	2.2
IADB Group	533.9	40.0	0.0	0.0	389.9	41.8	399.6	43.1
IFAD	31.7	2.4	0.0	0.0	20.3	2.2	20.3	2.2
OPEC	3.7	0.3	0.0	0.0	3.4	0.4	3.4	0.4
Bilateral and commercial	238.5	17.8	35.4	100.0	182.2	19.5	134.8	14.5
Paris Club	192.7	14.4	35.4	100.0	145.7	15.6	98.4	10.6
Canada	2.0	0.2	0.0	0.0	2.1	0.2	2.1	0.2
EEC IDA administered	4.0	0.3	0.0	0.0	2.7	0.3	1.5	0.2
France	64.1	4.8	23.3	65.9	59.7	6.4	45.7	4.9
Italy	68.9	5.2	7.8	22.0	44.2	4.7	24.2	2.6
Spain	38.6	2.9	4.3	12.0	24.1	2.6	13.6	1.5
United States	15.1	1.1	0.0	0.0	13.0	1.4	11.4	1.2
Other Official Bilateral	45.8	3.4	0.0	0.0	36.5	3.9	36.4	3.9
Taiwan, People's Republic of China	45.7	3.4	0.0	0.0	36.3	3.9	36.3	3.9
Venezuela	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0

Sources: Haitian authorities and staff estimates.

1/ Includes a stock-of-debt operation on Naples terms at end-September 2005; and comparable action by other official bilateral creditors on eligible debt (pre-cutoff and non-ODA).

2/ The increase in the NPV of debt for the IADB Group and the World Bank reflects the impact of the arrears clearance operations undertaken in 2003 and 2005, respectively. The NPV reduction contained in these operations is estimated at US\$9.7 million for the IADB Group and US\$33.1 million for the World Bank. They are considered as part of HIPC relief effort. The IADB Group used concessional resources from its Fund for Special Operations (FSO).

Table A2. Haiti: HIPC Initiative -- Assistance Under a Proportional Burden-Sharing Approach 1/ 2/

(In millions of U.S. dollars, unless otherwise indicated)

NPV of debt-to-exports-target (in percent)	Total (In NPV terms at end-September 2005)	Bilateral 3/	Multilateral	Common Reduction Factor 4/ (Percent)
150	140.3	20.4	120.0	15.1
Memorandum items:				
NPV of debt 5/	928.3	134.8	793.5	
Paris Club creditors	98.4			
<i>Of which: pre-cutoff date non-ODA debt</i>	50.4			
Non-Paris Club creditors	36.4			
<i>Of which: pre-cutoff date non-ODA debt</i>	0.0			
Three-year average of exports	525.3			
Current-year exports	597.3			
NPV of debt-to-exports ratio 6/	176.7			

Sources: Haitian authorities and staff estimates and projections.

1/ The proportional burden sharing approach is described in "HIPC Initiative--Estimated Costs and Burden Sharing Approaches" (EBS/97/127, 7/7/97 and IDA/SEC M 97-306, 7/7/97).

2/ Includes a hypothetical stock-of-debt operation on Naples terms (end-September 2005) and comparable treatment by other official bilateral creditors.

3/ Includes all official bilateral creditors.

4/ Each creditor's NPV reduction in percent of its exposure at the decision point.

5/ Based on end-September 2005 data after full application of traditional debt relief mechanisms. The NPV reduction contained in the arrears clearance operations undertaken by IDA and the IADB Group is included in the NPV of debt.

6/ Based on the three-year export average (backward-looking average, i.e., 2005-03). Note that this includes the impact of the concessional rescheduling of arrears by the World Bank and the IADB Group.

Table A3. Haiti: Discount and Exchange Rate Assumptions at End-September 2005

Currency Name	Discount Rate 1/ (In percent per annum)	Exchange Rate 2/ (Currency per U.S. dollar)
Canadian Dollar	4.80	1.16
Danish Kroner	4.06	6.20
Euro	4.11	0.83
Great Britain Sterling	5.51	0.57
Japanese Yen	1.85	113.15
Norwegian Kroner	4.21	6.54
Special Drawing Rights	4.35	0.69
Swedish Kroner	4.21	7.75
Swiss Franc	2.82	1.29
United States Dollar	5.05	1.00
Venezuelan Bolivar	4.35	2147
Memorandum item:		
Paris Club cutoff date	October 1, 1993	

Sources: OECD; and IMF, *International Financial Statistics*.

1/ The discount rates used are the average commercial interest reference rates over the six-month period prior to end-September 2005, i.e., the end of the period for which actual debt and export data are available.

2/ The exchange rates are expressed as national currency per U.S. dollar at end-September 2005.

Table A4. Haiti: External Debt Service, 2006Q-2025 1/ (in millions of U.S. dollars, unless otherwise indicated)

	2006Q3	2006Q7	2006Q9	2006Q10	2010Q1	2011Q2	2012Q1	2013Q4	2014Q1	2015Q1	2015Q6	2016Q7	2017Q8	2018Q9	2019Q2	2020Q1	2021Q2	2022Q3	2023Q4	2024Q5	2025Q5	2014/05	2015/05	2024/05	2025/05	
<b>Before traditional debt relief 2/</b>																										
Total	60.5	92.4	63.9	66.1	69.1	70.6	71.9	83.7	90.4	98.5	103.8	107.5	100.8	99.7	98.8	101.7	108.1	113.0	118.3	123.8	127.7	131.5	135.3	139.1	142.9	146.7
Existing debt 2/	59.7	75.6	60.2	60.8	61.9	61.5	61.0	60.9	62.1	62.8	61.8	61.8	60.7	57.5	58.6	52.7	52.1	51.7	50.7	49.2	48.6	48.0	47.4	46.8	46.2	45.6
New debt 4/	0.8	16.8	3.6	5.3	7.2	9.1	10.4	22.8	29.5	36.4	41.0	45.7	40.0	42.2	44.2	49.0	56.0	61.4	67.6	74.6	81.6	88.6	95.6	102.6	109.6	116.6
<b>After traditional debt relief 5/</b>																										
Total	57.6	89.6	61.0	63.7	66.6	68.0	69.4	81.2	87.4	95.8	101.2	105.1	98.8	98.0	97.6	101.5	108.7	113.6	118.8	124.2	131.2	138.2	145.2	152.2	159.2	166.2
Existing debt 2/	56.7	72.8	57.4	58.4	59.4	58.9	59.0	58.4	57.9	59.4	60.2	59.5	58.8	55.8	55.4	52.5	52.7	52.2	51.2	49.6	49.0	48.4	47.8	47.2	46.6	46.0
New debt 4/	0.9	16.8	3.6	5.3	7.2	9.1	10.4	22.8	29.5	36.4	41.0	45.7	40.0	42.2	44.2	49.0	56.0	61.4	67.6	74.6	81.6	88.6	95.6	102.6	109.6	116.6
<b>After HIPC assistance 6/</b>																										
Total	38.5	76.3	34.5	48.5	55.4	62.7	64.3	75.9	82.4	90.2	95.4	98.7	92.5	92.8	92.2	94.9	101.1	105.7	110.8	116.4	122.0	127.6	133.2	138.8	144.4	150.0
Existing debt 2/	37.7	59.4	31.0	43.4	48.4	53.7	54.6	65.9	72.4	80.2	85.6	88.9	82.7	83.0	82.4	85.1	91.3	95.9	101.0	106.6	112.2	117.8	123.4	129.0	134.6	140.2
New debt 4/	0.8	16.9	3.5	5.1	7.0	8.9	9.7	20.0	26.0	33.0	39.8	44.8	40.0	40.0	40.0	45.8	52.8	59.8	66.8	73.8	80.8	87.8	94.8	101.8	108.8	115.8
<b>After HIPC and MDRI assistance 7/</b>																										
Total	35.7	73.4	34.5	48.5	55.4	62.7	64.3	75.9	82.4	90.2	95.4	98.7	92.5	92.8	92.2	94.9	101.1	105.7	110.8	116.4	122.0	127.6	133.2	138.8	144.4	150.0
Existing debt 2/	34.9	59.4	31.0	43.4	48.4	53.7	54.6	65.9	72.4	80.2	85.6	88.9	82.7	83.0	82.4	85.1	91.3	95.9	101.0	106.6	112.2	117.8	123.4	129.0	134.6	140.2
New debt 4/	0.8	14.0	3.5	5.1	7.0	8.9	9.7	20.0	26.0	33.0	39.8	44.8	40.0	40.0	40.0	45.8	52.8	59.8	66.8	73.8	80.8	87.8	94.8	101.8	108.8	115.8
<b>Debt service to exports ratio after HIPC and MDRI assistance</b>																										
Debt service to exports ratio after HIPC assistance	11.4	14.0	9.4	7.7	7.4	7.0	6.7	7.4	7.5	7.7	7.6	7.4	6.5	6.4	6.3	6.4	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
Debt service to exports ratio after MDRI assistance	11.4	14.0	9.4	7.7	7.4	7.0	6.7	7.4	7.5	7.7	7.6	7.4	6.5	6.4	6.3	6.4	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
<b>Debt service to revenue ratio after HIPC and MDRI assistance</b>																										
Debt service to revenue ratio after HIPC assistance	13.3	6.5	13.1	11.2	5.3	5.0	5.2	5.0	5.6	5.9	6.4	6.4	6.3	5.2	5.4	6.6	7.6	7.8	8.0	7.8	8.0	7.8	8.0	7.8	8.0	7.8
Debt service to revenue ratio after MDRI assistance	13.3	6.5	13.1	11.2	5.3	5.0	5.2	5.0	5.6	5.9	6.4	6.4	6.3	5.2	5.4	6.6	7.6	7.8	8.0	7.8	8.0	7.8	8.0	7.8	8.0	7.8
<b>After additional bilateral relief beyond enhanced HIPC and MDRI assistance 11/</b>																										
Total	38.5	76.3	34.5	48.5	55.4	62.7	64.3	75.9	82.4	90.2	95.4	98.7	92.5	92.8	92.2	94.9	101.1	105.7	110.8	116.4	122.0	127.6	133.2	138.8	144.4	150.0
Existing debt 2/	37.7	59.4	31.0	43.4	48.4	53.7	54.6	65.9	72.4	80.2	85.6	88.9	82.7	83.0	82.4	85.1	91.3	95.9	101.0	106.6	112.2	117.8	123.4	129.0	134.6	140.2
New debt 4/	0.8	16.9	3.5	5.1	7.0	8.9	9.7	20.0	26.0	33.0	39.8	44.8	40.0	40.0	40.0	45.8	52.8	59.8	66.8	73.8	80.8	87.8	94.8	101.8	108.8	115.8
<b>Debt service to exports ratio after additional bilateral relief beyond enhanced HIPC and MDRI assistance 11/</b>																										
Debt service to exports ratio after additional bilateral relief beyond enhanced HIPC and MDRI assistance	11.4	14.0	9.4	7.7	7.4	7.0	6.7	7.4	7.5	7.7	7.6	7.4	6.5	6.4	6.3	6.4	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
<b>Debt service to revenue ratio after additional bilateral relief beyond enhanced HIPC and MDRI assistance 11/</b>																										
Debt service to revenue ratio after additional bilateral relief beyond enhanced HIPC and MDRI assistance	13.3	6.5	13.1	11.2	5.3	5.0	5.2	5.0	5.6	5.9	6.4	6.4	6.3	5.2	5.4	6.6	7.6	7.8	8.0	7.8	8.0	7.8	8.0	7.8	8.0	7.8
<b>Memorandum items:</b>																										
Exports of goods and nonfactor services 9/	631.3	691.1	824.9	908.8	970.5	1,031.0	1,096.2	1,167.6	1,246.2	1,331.2	1,423.1	1,522.7	1,630.6	1,747.6	1,874.6	2,012.4	2,162.1	2,324.8	2,501.7	2,684.5	2,873.1	3,067.6	3,268.1	3,474.6	3,687.1	3,904.6
Government revenues 10/	513.5	522.5	581.5	647.3	709.4	780.4	858.0	930.7	1,008.9	1,098.2	1,194.9	1,299.4	1,412.3	1,534.7	1,666.8	1,809.6	1,963.8	2,130.4	2,310.2	2,504.5	2,704.7	2,910.0	3,120.3	3,335.6	3,556.9	3,784.2

Sources: Haitian authorities and staff estimates and projections.  
 1/ All debt indicators refer to public and publicly guaranteed (PPG) debt and are defined after reclassification, unless otherwise indicated. Fiscal year ends in September.  
 2/ Includes only 2006Q3-2006Q9 debt service on current maturities and does not include projected maturity interest on arrears.  
 3/ Reflects debt service on the projected borrowing needed to close the gap. Debt service in 2006Q7 includes the repurchase with PFCF resources of SDR 10.23 million previously drawn under the Fund's EPCCA in October 2005.  
 4/ Reflects debt service on the projected borrowing needed to close the gap. Debt service in 2006Q7 includes the repurchase with PFCF resources of SDR 10.23 million previously drawn under the Fund's EPCCA in October 2005.  
 5/ Assumes a hypothetical stock of debt operation on Naples terms and comparable treatment from other bilateral creditors, excluding multilateral arrears clearance.  
 6/ Assumes a hypothetical stock of debt operation on Naples terms and comparable treatment from other bilateral creditors, excluding multilateral arrears clearance.  
 7/ The reduction is measured as the difference between the projected debt service after full use of traditional debt relief and debt service after the application of HIPC relief.  
 8/ As defined in IMF papers only. The World Bank and arrears after HIPC completion point (September 2008). Assumes that MDRI has no impact on Haiti's new borrowing over the projection period.  
 9/ Exports of goods and nonfactor services, excluding grants.  
 10/ Revenues are defined as central government revenues, excluding grants.  
 11/ Paris Club creditor deliver, under bilateral initiatives, additional debt relief beyond the HIPC initiative at the completion point. Details on the magnitude of the delivery are presented on Table 11.

Table A5. Haiti: Net Present Value of External Debt, 2005-2025 1/

	2004/05	2005/06	2006/07	2007/08	2008/09	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25	2015/16 2024/25	
<b>I. After traditional debt relief 2/</b>																							
NPV of total debt	885.5	914.6	962.1	1,015.6	1,083.9	1,156.7	1,227.1	1,271.5	1,325.9	1,379.5	1,433.1	1,486.4	1,539.6	1,592.7	1,645.8	1,698.9	1,752.0	1,805.1	1,858.2	1,911.3	1,964.4	2,017.5	1,155.8
NPV of outstanding debt	885.5	899.2	913.0	926.7	940.4	954.1	967.8	981.5	995.2	1,008.9	1,022.6	1,036.3	1,050.0	1,063.7	1,077.4	1,091.1	1,104.8	1,118.5	1,132.2	1,145.9	1,159.6	1,173.3	1,187.0
Official bilateral and commercial	885.5	899.2	913.0	926.7	940.4	954.1	967.8	981.5	995.2	1,008.9	1,022.6	1,036.3	1,050.0	1,063.7	1,077.4	1,091.1	1,104.8	1,118.5	1,132.2	1,145.9	1,159.6	1,173.3	1,187.0
Other official bilateral	36.4	36.6	36.7	36.8	36.9	37.0	37.1	37.2	37.3	37.4	37.5	37.6	37.7	37.8	37.9	38.0	38.1	38.2	38.3	38.4	38.5	38.6	38.7
Commercial	36.4	36.6	36.7	36.8	36.9	37.0	37.1	37.2	37.3	37.4	37.5	37.6	37.7	37.8	37.9	38.0	38.1	38.2	38.3	38.4	38.5	38.6	38.7
Multilateral	750.6	752.6	776.3	808.9	843.5	881.0	919.7	954.3	992.0	1,031.5	1,070.6	1,109.3	1,147.6	1,185.5	1,223.8	1,262.5	1,300.7	1,338.4	1,375.6	1,412.3	1,448.5	1,484.2	1,519.3
NPV of new borrowing	0.0	45.4	126.1	198.7	287.9	383.7	477.7	566.8	656.4	742.0	828.2	914.2	1,000.2	1,086.2	1,172.2	1,258.2	1,344.2	1,430.2	1,516.2	1,602.2	1,688.2	1,774.2	1,860.2
<b>Memorandum Items:</b>																							
Total debt (to-exports ratio (percent)) 4/	168.6	157.8	150.3	146.0	142.6	139.4	136.5	134.4	132.4	130.4	128.4	126.4	124.4	122.4	120.4	118.4	116.4	114.4	112.4	110.4	108.4	106.4	104.4
Outstanding debt	168.6	150.0	130.6	117.5	104.7	93.1	83.4	74.9	67.7	61.3	55.1	49.2	43.7	38.6	34.1	30.0	26.3	22.8	19.6	16.7	14.1	11.6	9.0
NPV of debt-to-revenue ratio (percent)	234.5	178.1	184.1	174.7	167.4	163.1	159.2	155.3	151.4	147.5	143.6	139.7	135.8	131.9	128.0	124.1	120.2	116.3	112.4	108.5	104.6	100.7	96.8
Outstanding debt	234.5	169.3	160.0	140.5	123.0	109.0	94.8	84.5	75.2	66.8	58.7	51.4	44.8	39.0	33.9	29.4	25.4	21.8	18.6	15.7	13.1	10.6	8.1
<b>II. After conditional delivery of enhanced HIPC assistance 5/</b>																							
NPV of total debt	920.7	921.0	922.2	911.7	900.0	1,009.5	1,140.9	1,185.5	1,240.3	1,312.2	1,388.8	1,465.4	1,541.8	1,618.2	1,694.6	1,771.0	1,847.4	1,923.8	2,000.2	2,076.6	2,152.4	2,228.2	1,888.0
NPV of outstanding debt	920.7	921.0	922.2	911.7	900.0	1,009.5	1,140.9	1,185.5	1,240.3	1,312.2	1,388.8	1,465.4	1,541.8	1,618.2	1,694.6	1,771.0	1,847.4	1,923.8	2,000.2	2,076.6	2,152.4	2,228.2	1,888.0
Official bilateral and commercial	114.4	93.1	94.1	93.6	90.1	86.1	82.0	77.2	72.3	67.3	62.5	57.6	52.8	48.3	44.1	41.3	39.7	38.3	36.7	35.0	33.5	32.0	30.5
Other official bilateral	30.9	29.7	29.0	28.2	27.1	25.8	24.4	22.4	20.4	18.4	16.3	14.2	12.0	9.8	7.5	5.2	4.1	3.1	2.0	1.4	0.8	0.0	0.0
Commercial	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Multilateral	785.3	727.9	723.1	718.1	709.9	923.4	1,058.9	1,108.3	1,168.0	1,244.9	1,321.5	1,391.7	1,463.6	1,536.9	1,610.5	1,684.6	1,758.7	1,832.8	1,906.9	1,981.0	2,055.0	2,129.0	2,203.0
NPV of new borrowing	0.0	45.4	126.1	198.7	287.9	383.7	477.7	566.8	656.4	742.0	828.2	914.2	1,000.2	1,086.2	1,172.2	1,258.2	1,344.2	1,430.2	1,516.2	1,602.2	1,688.2	1,774.2	1,860.2
<b>III. After unconditional delivery of enhanced HIPC assistance 6/</b>																							
NPV of total debt	787.9	798.4	856.9	911.7	990.0	1,090.5	1,140.9	1,185.5	1,240.3	1,312.2	1,388.8	1,465.4	1,541.8	1,618.2	1,694.6	1,771.0	1,847.4	1,923.8	2,000.2	2,076.6	2,152.4	2,228.2	1,888.0
NPV of outstanding debt	787.9	798.4	856.9	911.7	990.0	1,090.5	1,140.9	1,185.5	1,240.3	1,312.2	1,388.8	1,465.4	1,541.8	1,618.2	1,694.6	1,771.0	1,847.4	1,923.8	2,000.2	2,076.6	2,152.4	2,228.2	1,888.0
Official bilateral and commercial	114.4	93.1	94.1	93.6	90.1	86.1	82.0	77.2	72.3	67.3	62.5	57.6	52.8	48.3	44.1	41.3	39.7	38.3	36.7	35.0	33.5	32.0	30.5
Other official bilateral	30.9	29.7	29.0	28.2	27.1	25.8	24.4	22.4	20.4	18.4	16.3	14.2	12.0	9.8	7.5	5.2	4.1	3.1	2.0	1.4	0.8	0.0	0.0
Commercial	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Multilateral	787.9	798.4	856.9	911.7	990.0	1,090.5	1,140.9	1,185.5	1,240.3	1,312.2	1,388.8	1,465.4	1,541.8	1,618.2	1,694.6	1,771.0	1,847.4	1,923.8	2,000.2	2,076.6	2,152.4	2,228.2	1,888.0
NPV of new borrowing	0.0	45.4	126.1	198.7	287.9	383.7	477.7	566.8	656.4	742.0	828.2	914.2	1,000.2	1,086.2	1,172.2	1,258.2	1,344.2	1,430.2	1,516.2	1,602.2	1,688.2	1,774.2	1,860.2
<b>Memorandum Items:</b>																							
Total debt (to-exports ratio (percent)) 4/	175.3	158.9	153.5	151.1	148.0	144.9	141.8	138.7	135.6	132.5	129.4	126.3	123.2	120.1	117.0	113.9	110.8	107.7	104.6	101.5	98.4	95.3	92.2
Outstanding debt	175.3	158.9	153.5	151.1	148.0	144.9	141.8	138.7	135.6	132.5	129.4	126.3	123.2	120.1	117.0	113.9	110.8	107.7	104.6	101.5	98.4	95.3	92.2
NPV of debt-to-revenue ratio (percent)	243.8	179.4	186.0	169.1	164.0	156.8	144.3	138.2	133.3	128.1	122.6	116.6	110.8	105.2	99.6	94.0	88.4	82.8	77.2	71.6	66.0	60.4	54.8
Outstanding debt	243.8	179.4	186.0	169.1	164.0	156.8	144.3	138.2	133.3	128.1	122.6	116.6	110.8	105.2	99.6	94.0	88.4	82.8	77.2	71.6	66.0	60.4	54.8
<b>IV. After conditional delivery of enhanced HIPC and MDRI assistance 7/</b>																							
NPV of total debt	920.7	921.0	922.2	911.7	900.0	1,009.5	1,140.9	1,185.5	1,240.3	1,312.2	1,388.8	1,465.4	1,541.8	1,618.2	1,694.6	1,771.0	1,847.4	1,923.8	2,000.2	2,076.6	2,152.4	2,228.2	1,888.0
NPV of outstanding debt	920.7	921.0	922.2	911.7	900.0	1,009.5	1,140.9	1,185.5	1,240.3	1,312.2	1,388.8	1,465.4	1,541.8	1,618.2	1,694.6	1,771.0	1,847.4	1,923.8	2,000.2	2,076.6	2,152.4	2,228.2	1,888.0
Official bilateral and commercial	114.4	93.1	94.1	93.6	90.1	86.1	82.0	77.2	72.3	67.3	62.5	57.6	52.8	48.3	44.1	41.3	39.7	38.3	36.7	35.0	33.5	32.0	30.5
Other official bilateral	30.9	29.7	29.0	28.2	27.1	25.8	24.4	22.4	20.4	18.4	16.3	14.2	12.0	9.8	7.5	5.2	4.1	3.1	2.0	1.4	0.8	0.0	0.0
Commercial	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Multilateral	785.3	727.9	723.1	718.1	709.9	923.4	1,058.9	1,108.3	1,168.0	1,244.9	1,321.5	1,391.7	1,463.6	1,536.9	1,610.5	1,684.6	1,758.7	1,832.8	1,906.9	1,981.0	2,055.0	2,129.0	2,203.0
NPV of new borrowing	0.0	45.4	126.1	198.7	287.9	383.7	477.7	566.8	656.4	742.0	828.2	914.2	1,000.2	1,086.2	1,172.2	1,258.2	1,344.2	1,430.2	1,516.2	1,602.2	1,688.2	1,774.2	1,860.2
<b>Memorandum Items:</b>																							
Total debt (to-exports ratio (percent)) 4/	175.3	158.9	153.5	151.1	148.0	144.9	141.8	138.7	135.6	132.5	129.4	126.3	123.2	120.1	117.0	113.9	110.8	107.7	104.6	101.5	98.4	95.3	92.2
Outstanding debt	175.3	158.9	153.5	151.1	148.0	144.9	141.8	138.7	135.6	132.5	129.4	126.3	123.2	120.1	117.0	113.9	110.8	107.7	104.6	101.5	98.4	95.3	92.2
NPV of debt-to-revenue ratio (percent)	243.8	179.4	186.0	169.1	164.0	156.8	144.3	138.2	133.3	128.1	122.6	116.6	110.8	105.2	99.6	94.0	88.4	82.8	77.2	71.6	66.0	60.4	54.8
Outstanding debt	243.8	179.4	186.0	169.1	164.0	156.8	144.3	138.2	133.3	128.1	122.6	116.6	110.8	105.2	99.6	94.0	88.4	82.8	77.2	71.6	66.0	60.4	54.8
<b>V. After conditional additional bilateral relief beyond enhanced HIPC and MDRI assistance 8/</b>																							
NPV of total debt	920.7	921.0	922.2	911.7	900.0	1,009.5	1,140.9	1,185.5	1,240.3	1,312.2	1,388.8	1,465.4	1,541.8	1,618.2	1,694.6	1,771.0	1,847.4	1,923.8	2,000.2	2,076.6	2,152.4	2,228.2	1,888.0
NPV of outstanding debt	920.7	921.0	922.2	911.7	900.0	1,009.5	1,140.9	1,185.5	1,240.3	1,312.2	1,388.8	1,465.4	1,541.8	1,618.2	1,694.6	1,771.0	1,847.4	1,923.8	2,000.2	2,076.6	2,152.4	2,228.2	1,888.0
Official bilateral and commercial	114.4	93.1	94.1	93.6	90.1	86.1	82.0	77.2	72.3	67.3	62.5	57.6	52.8	48.3	44.1								

Table A6. Haiti: External Debt Indicators , 2005-25 1/

	Averages																						
	2004/05- 2013/14																						
<b>Before traditional debt relief</b>																							
NPV of debt-to-GDP ratio	23.9	19.1	19.1	19.0	18.9	18.7	18.3	17.9	17.7	17.5	17.2	16.9	16.7	16.6	16.5	16.3	16.0	15.6	15.2	14.7	14.7	19.2	16.3
NPV of debt-to-exports ratio 2/ 3/	177.6	165.6	157.0	151.9	147.7	143.8	140.3	134.7	131.2	129.6	127.9	125.7	123.0	121.3	119.8	118.2	116.0	113.2	109.7	105.6	101.2	147.9	116.5
NPV of debt-to-revenue ratio 4/	247.0	186.9	192.3	181.6	175.4	168.2	159.5	151.9	145.6	141.1	136.2	131.3	126.2	122.4	119.1	115.8	112.3	108.3	103.7	99.1	94.1	174.8	115.3
Debt service ratio	...	9.6	13.4	8.4	8.0	7.7	7.3	7.0	7.6	7.7	7.9	7.8	7.6	6.6	6.1	5.7	5.4	5.4	5.2	5.1	4.9	8.5	6.2
Debt service-to-revenue ratio 4/	...	11.8	17.7	11.0	10.2	9.7	8.9	8.4	9.0	9.0	9.0	8.7	8.3	7.1	6.5	5.9	5.6	5.5	5.3	5.1	4.9	10.6	6.5
<b>After traditional debt relief</b>																							
NPV of debt-to-GDP ratio	22.7	18.2	18.3	18.2	18.3	18.2	17.8	17.5	17.4	17.2	17.0	16.7	16.6	16.5	16.4	16.2	15.9	15.5	15.1	14.6	14.6	18.5	16.2
NPV of debt-to-exports ratio 2/ 3/	168.6	157.8	150.3	146.0	142.6	139.4	136.5	131.4	128.4	127.2	125.9	124.0	121.7	120.2	119.0	117.5	115.5	112.7	109.1	105.3	100.9	100	115.6
NPV of debt-to-revenue ratio 4/	234.5	178.1	184.1	174.7	167.4	163.1	155.2	148.2	142.5	138.5	134.1	129.6	124.9	121.4	118.3	115.2	111.8	107.8	103.3	98.7	93.8	168.6	114.4
Debt service ratio	...	9.1	13.0	8.0	7.7	7.4	7.0	6.7	7.4	7.5	7.7	7.6	7.4	6.5	6.0	5.6	5.4	5.4	5.3	5.1	5.0	8.2	6.1
Debt service-to-revenue ratio 4/	...	11.2	17.1	10.5	9.8	9.4	8.6	8.1	8.7	8.7	8.7	8.5	8.1	7.0	6.4	5.9	5.6	5.5	5.3	5.1	5.0	10.2	6.5
<b>After conditional delivery of enhanced HIPC assistance</b>																							
NPV of debt-to-GDP ratio	23.6	18.4	18.7	16.4	16.7	17.0	17.0	16.6	16.4	16.4	16.3	16.1	15.9	15.8	15.7	15.6	15.4	15.1	14.7	14.3	14.3	17.7	15.5
NPV of debt-to-exports ratio 2/ 3/	175.3	158.9	153.5	131.1	130.3	128.9	126.9	122.5	120.1	119.5	118.7	117.4	115.6	114.7	113.9	112.9	111.4	109.1	105.9	102.6	98.6	136.7	111.0
NPV of debt-to-revenue ratio (existing debt only)	150.0	129.9	114.2	102.5	92.4	82.6	73.8	66.0	59.5	53.6	47.9	42.6	37.6	33.1	29.0	25.4	22.1	19.2	16.5	14.0	11.8	99.1	27.2
NPV of debt-to-revenue ratio 4/	243.8	179.4	188.0	156.8	152.9	150.8	144.3	138.2	133.3	130.1	126.5	122.6	118.6	115.8	113.3	110.7	107.8	104.3	100.3	96.2	91.7	161.7	109.8
Debt service ratio	...	9.3	11.0	7.1	5.9	6.2	6.5	6.2	6.9	7.1	7.2	7.2	6.9	6.1	5.7	5.3	5.1	5.0	4.9	4.8	4.7	7.4	5.7
Debt service-to-revenue ratio 4/	...	11.4	14.6	9.4	7.5	7.8	7.9	7.5	8.2	8.2	8.2	8.0	7.6	6.5	6.0	5.5	5.2	5.1	5.0	4.8	4.6	9.2	6.1
<b>After unconditional delivery of enhanced HIPC assistance</b>																							
NPV of debt-to-GDP ratio	20.2	15.9	16.3	16.4	16.7	17.0	17.0	16.6	16.4	16.4	16.3	16.1	15.9	15.8	15.7	15.6	15.4	15.1	14.7	14.3	14.3	16.9	15.5
NPV of debt-to-exports ratio 2/ 3/	150.0	137.8	133.9	131.1	130.3	128.9	126.9	122.5	120.1	119.5	118.7	117.4	115.6	114.7	113.9	112.9	111.4	109.1	105.9	102.6	98.6	130.1	111.0
NPV of debt-to-revenue ratio (existing debt only)	150.0	129.9	114.2	102.5	92.4	82.6	73.8	66.0	59.5	53.6	47.9	42.6	37.6	33.1	29.0	25.4	22.1	19.2	16.5	14.0	11.8	92.5	27.2
NPV of debt-to-revenue ratio 4/	208.6	155.5	164.0	156.8	152.9	150.8	144.3	138.2	133.3	130.1	126.5	122.6	118.6	115.8	113.3	110.7	107.8	104.3	100.3	96.2	91.7	153.4	109.8
Debt service ratio	...	9.3	11.0	7.1	5.9	6.2	6.5	6.2	6.9	7.1	7.2	7.2	6.9	6.1	5.7	5.3	5.1	5.0	4.9	4.8	4.7	7.4	5.7
Debt service-to-revenue ratio 4/	...	11.4	14.6	9.4	7.5	7.8	7.9	7.5	8.2	8.2	8.2	8.0	7.6	6.5	6.0	5.5	5.2	5.1	5.0	4.8	4.6	9.2	6.1
<b>After conditional delivery of enhanced HIPC and MDRI assistance 5/</b>																							
NPV of debt-to-GDP ratio	23.6	18.4	18.7	11.4	12.0	12.5	12.9	13.0	13.3	13.3	13.5	13.6	13.7	13.9	14.1	14.2	14.3	14.3	14.1	13.9	13.6	14.9	13.9
NPV of debt-to-exports ratio 2/ 3/	175.3	158.9	153.5	91.2	93.4	95.3	96.8	95.3	95.4	96.9	98.4	99.2	99.4	100.4	101.4	102.0	101.9	101.0	99.1	96.9	93.9	115.2	99.4
NPV of debt-to-revenue ratio (existing debt only)	175.3	151.1	133.8	62.7	55.5	49.1	43.6	38.8	34.7	31.0	27.6	24.4	21.4	18.8	16.5	14.4	12.7	11.1	9.6	8.3	7.2	71.5	15.6
NPV of debt-to-revenue ratio 4/	243.8	179.4	188.0	109.1	109.6	111.5	110.0	107.4	105.8	105.5	104.8	103.6	102.1	101.4	100.8	99.9	98.6	96.6	93.8	90.8	87.3	137.0	98.2
Debt service ratio	...	9.3	11.0	7.1	4.8	4.6	4.4	4.3	5.1	5.4	5.6	5.4	4.7	4.4	4.1	3.9	4.0	3.9	3.9	3.9	3.9	6.2	4.5
Debt service-to-revenue ratio 4/	...	11.4	14.6	9.4	6.1	5.8	5.4	5.2	6.1	6.2	6.4	6.2	5.9	5.0	4.7	4.3	4.1	4.1	4.0	3.9	3.9	7.8	4.8

Sources: Haitian authorities and staff estimates and projections.

1/ All debt indicators refer to public and publicly guaranteed (PPG) debt at end-September 2005. Fiscal year ends in September.

2/ Exports are defined as in IMF, *Balance of Payments Manual*, 5th edition, 1993.

3/ Based on a three-year average of exports on the previous year (e.g., export average over 2003-2005 for NPV of debt-to-exports ratio in 2005).

4/ Revenue is defined as central government revenue, excluding grants.

5/ MDRI assistance applies only to the World Bank and starts after the completion point (September 2008). Assumes that MDRI has no impact on Haiti's new borrowing over the projection period.

Table A7. Haiti: External Debt Indicators and Sensitivity Analysis, 2005-25 1/

	Averages																						
	2004/05	2005/06	2006/07	2007/08	2008/09	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25	2004/05-2014/15	2013/14-2024/25
(In percent, unless otherwise indicated)																							
<b>Baseline scenario</b>																							
NPV of debt to-GDP ratio	20.2	15.9	16.3	16.4	16.7	17.0	17.0	16.6	16.4	16.4	16.3	16.1	15.9	15.8	15.8	15.7	15.6	15.4	15.1	14.7	14.3	16.9	15.5
NPV of debt-to-exports ratio 2/3/	150.0	137.8	133.9	131.1	130.3	128.9	126.9	122.5	120.1	119.5	118.7	117.4	115.6	114.7	113.9	112.9	111.4	109.1	105.9	102.6	98.6	130.1	111.0
NPV of debt-to-revenue ratio 4/	208.6	155.5	164.0	156.8	152.9	150.8	144.3	138.2	133.3	130.1	126.5	122.6	118.6	115.8	113.3	110.7	107.8	104.3	100.3	96.2	91.7	153.4	109.8
Debt service-to-exports ratio	...	9.3	11.0	7.1	5.9	6.2	6.5	6.2	6.9	7.1	7.2	7.2	6.9	6.1	5.7	5.3	5.1	5.0	4.9	4.8	4.7	7.4	5.7
Debt service-to-revenue ratio	...	11.4	14.6	9.4	7.5	7.8	7.9	7.5	8.2	8.2	8.2	8.0	7.6	6.5	6.0	5.5	5.2	5.1	5.0	4.8	4.6	9.2	6.1
<b>Sensitivity analysis</b>																							
Less concessional new borrowing scenario 5/																							
NPV of debt-to-exports ratio 2/3/	150.0	139.5	137.8	138.8	139.4	139.1	135.2	133.8	134.5	135.1	134.8	133.7	133.5	133.2	132.4	130.8	128.3	124.6	120.6	115.7	138.6	129.3	
NPV of debt-to-revenue ratio 4/	208.6	157.5	168.7	164.5	163.0	163.1	158.2	152.5	148.4	146.5	143.9	140.8	137.2	134.7	132.4	129.8	126.6	122.7	117.9	113.1	107.7	163.1	127.9
Debt service-to-exports ratio	...	9.4	11.4	7.6	6.6	7.0	7.4	7.3	8.1	8.3	8.5	8.5	8.4	7.5	7.2	6.8	6.6	6.5	6.4	6.2	6.1	8.1	7.2
Debt service-to-revenue ratio 4/	...	11.6	15.0	10.0	8.4	8.9	9.1	8.8	9.5	9.6	9.7	9.5	9.2	8.1	7.6	7.1	6.8	6.7	6.5	6.3	6.1	10.1	7.6
<b>Lower export growth 6/</b>																							
NPV of debt-to-exports ratio 2/3/	150.0	138.1	136.7	138.8	144.0	148.6	151.6	150.8	151.0	152.9	155.0	156.7	158.1	160.8	163.9	167.0	169.5	171.2	171.8	172.2	171.7	146.3	165.3
NPV of debt-to-revenue ratio 4/	208.6	155.6	165.3	159.5	156.6	155.7	150.2	144.7	140.5	138.1	135.3	132.3	129.2	127.3	125.7	124.1	122.2	119.8	116.7	113.6	110.1	157.5	123.3
Debt service-to-exports ratio	...	9.3	11.6	7.9	6.7	7.3	7.9	7.8	8.8	9.1	9.5	9.5	9.4	8.4	8.1	7.7	7.6	7.7	7.8	7.8	7.9	8.5	8.3
Debt service-to-revenue ratio 4/	...	11.4	14.7	9.5	7.7	8.0	8.2	7.8	8.6	8.6	8.7	8.4	8.1	7.0	6.5	6.0	5.7	5.7	5.5	5.4	5.3	9.4	6.6
<b>Lower GDP growth 7/</b>																							
NPV of debt-to-exports ratio 2/3/	150.0	138.1	134.9	133.2	133.7	133.9	133.9	131.8	132.0	134.4	136.9	139.2	141.3	144.5	148.0	151.5	154.6	157.2	159.0	160.7	161.8	135.6	150.4
NPV of debt-to-revenue ratio 4/	208.6	158.8	171.4	168.3	169.0	171.9	170.3	169.5	170.3	173.3	176.1	178.9	181.8	186.3	191.6	197.1	202.4	207.2	211.4	215.7	219.6	173.1	197.1
Debt service-to-exports ratio	...	9.3	11.1	7.2	6.0	6.3	6.6	6.5	7.2	7.4	7.7	7.7	7.5	6.7	6.4	6.1	6.0	6.1	6.1	6.2	6.2	7.5	6.6
Debt service-to-revenue ratio 4/	...	11.6	15.2	10.0	8.2	8.7	9.1	8.9	9.9	10.2	10.5	10.5	10.3	9.2	8.9	8.5	8.5	8.7	8.8	8.9	9.0	10.2	9.3

Sources: Haitian authorities and staff estimates and projections.

1/ All debt indicators refer to public and publicly guaranteed (PPG) debt and are defined after HIPC assistance assumed delivered unconditionally at end-September 2005. Fiscal year ends in September.

2/ As defined in IMF, *Balance of Payments Manual*, 5th edition, 1993.

3/ Based on a three-year average of exports on the previous year (e.g., export average over 1999-2001 for NPV of debt-to-exports ratio in 2001).

4/ Revenue is defined as central government revenue, excluding grants.

5/ Assumes that the interest rate on all debt is 1 percentage point higher than in the baseline from 2006 onwards, implying a 12 percentage point reduction in grant element.

6/ Assumes on average 3 percentage points lower export growth 2006-26.

7/ Assumes 2 percentage points lower GDP growth 2006-26.

Table A9. Haiti: Possible Delivery of IMF Assistance under the Enhanced HIPC Initiative, FY2007-2017 1/  
(In millions of U.S. dollars, unless otherwise indicated)

	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017
<b>(Based on the US\$/SDR exchange rate as of September 27, 2006)</b>											
Delivery schedule of IMF assistance (in percent of the total assistance)	2.0	3.5	3.5	3.5	3.5	2.0	15.0	15.0	15.0	15.0	22.0
Debt Service due on IMF obligations 2/	0.5 3/	0.6	0.6	0.6	0.6	4.7	8.9	8.8	8.8	8.7	4.5
Principal	-	-	-	-	-	4.2	8.3	8.3	8.3	8.3	4.2
Interest and charges	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.4	0.4
of which, PRGF interest	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0
IMF assistance--deposits into Haiti's Umbrella Account											
Interim assistance	0.062 4/	0.109 4/									
Completion point assistance 5/		2.948									
IMF assistance--drawdown schedule from Haiti's Umbrella Account	0.1	0.1	0.1	0.1	0.1	0.6	0.7	0.7	0.6	0.5	0.7
IMF assistance without interest	0.1	0.1	0.1	0.1	0.1	0.1	0.5	0.5	0.5	0.5	0.7
Estimated interest earnings 6/	0.0	0.0	0.0	0.0	0.0	0.6	0.2	0.2	0.1	0.1	0.0
Debt service due on current IMF obligations after IMF assistance	0.4	0.5	0.5	0.5	0.5	4.1	8.2	8.2	8.2	8.2	3.8
Share of debt service due on IMF obligations covered by IMF assistance (in percent)	12.5	18.8	18.4	18.4	18.4	13.3	7.9	7.6	6.3	6.1	15.9
Proportion (in percent) of each repayment falling due during the period to be paid by HIPC Initiative assistance from the principal deposited in Umbrella Account	54.2 4/	52.5 4/	52.6 4/	52.5 4/	52.5 4/	1.5	5.6	5.6	5.6	5.6	16.5
<b>Memorandum items:</b>											
<b>(Based on debt service data and exchange rates as of end-September 2005)</b>											
Debt service due on IMF obligations (in millions of U.S. dollars) 3/	0.5	0.6	0.6	0.6	0.6	4.7	8.9	8.8	8.8	8.7	4.5
Debt service due on current IMF obligations after IMF assistance (in percent of current year exports of goods and nonfactor services)	0.4	0.5	0.5	0.5	0.5	4.1	8.2	8.2	8.2	8.2	3.8
	0.1	0.1	0.1	0.1	0.0	0.4	0.7	0.7	0.7	0.6	0.3

Source: Fund staff estimates and projections.

1/ Total IMF assistance under the enhanced HIPC Initiative is US\$ 3.120 million in NPV terms calculated on the basis of data available at the decision point, excluding interest earned on Haiti's account and on committed but undisbursed amounts as described in footnotes 5 and 6. Assistance assumed to be delivered each fiscal year. Fiscal year ends in September.

2/ Forthcoming obligations estimated based on schedules in effect as of November 8, 2006, reflecting first disbursement under the new PRGF arrangement. Interest obligations include net SDR charges and assessments.

3/ Debt service for FY2007 are obligations from November 8, 2006 onwards.

4/ The first delivery of interim assistance will be deposited into Haiti's account at the expected decision point in November 2006 to cover PRGF interest obligations falling due to the Fund over the next 12 months. HIPC assistance is expected to cover PRGF interest obligations falling due between December 2006 and December 2011 as there are no principal obligations falling due to the Fund until May 2012.

5/ Most of the IMF's grant HIPC assistance assumed to be disbursed into Haiti's account at the assumed completion point in September 2008, which is reflected in the calculation of interest.

6/ Includes estimated interest earnings on: (a) amounts held in Haiti's Umbrella Account; and (b) up to the completion point, amounts committed but not yet disbursed. The projected interest earnings are estimated based on assumed interest rates which are gradually rising to 5 percent in 2011; actual interest earnings may be higher or lower. Interest accrued during a calendar year will be used toward the first repayment obligation(s) falling due in the following calendar year except in the final year, when it will be used toward payment of the final obligation(s) falling due in that year. Interest accrued during the interim period will be used toward the repayment of obligations falling due during FY2012-14.

Table A8. HIPC Initiative: Status of Country Cases Considered Under the Initiative, September 26, 2006

Country	Decision Point	Completion Point	Target NPV of Debt-to-Gov.		Assistance Levels 1/ (In millions of U.S. dollars, present value)				World Bank	Percentage Reduction in NPV of Debt 2/	Estimated Total Nominal Debt Service Relief (In millions of U.S. dollars)
			Exports (in percent)	revenue	Total	Bilateral and commercial	Multi-lateral	IMF			
<b>Completion point reached under enhanced framework</b>											
Benin	Jul. 00	Mar. 03	150		265	77	189	24	84	31	460
Bolivia					1,302	425	876	84	194		2,060
<i>original framework</i>	Sep. 97	Sep. 98	225		448	157	291	29	54	14	760
<i>enhanced framework</i>	Feb. 00	Jun. 01	150		854	268	585	55	140	30	1,300
Burkina Faso					553	83	469	57	231		930
<i>original framework</i>	Sep. 97	Jul. 00	205		229	32	196	22	91	27	400
<i>enhanced framework</i>	Jul. 00	Apr. 02	150		195	35	161	22	79	30	300
<i>topping-up</i>	...	Apr. 02	150		129	16	112	14	61	24	230
Cameroon	Oct. 00	Apr. 06	150		1,267	879	322	37	176	27	4,917
Ethiopia					1,982	637	1,315	60	832		3,275
<i>enhanced framework</i>	Nov. 01	Apr. 04	150		1,275	482	763	34	463	47	1,941
<i>topping-up</i>		Apr. 04	150		707	155	552	26	369	31	1,334
Ghana	Feb. 02	Jul. 04	144	250	2,186	1,084	1,102	112	781	56	3,500
Guyana					591	223	367	75	68		1,354
<i>original framework</i>	Dec. 97	May 99	107	280	256	91	165	35	27	24	634
<i>enhanced framework</i>	Nov. 00	Dec-03	150	250	335	132	202	40	41	40	719
Honduras	Jul. 00	Mar-05	110	250	556	215	340	30	98	18	1,000
Madagascar	Dec. 00	Oct-04	150		836	474	362	19	252	40	1,900
Malawi					1,057	171	886	45	622		1,628
<i>enhanced framework</i>	Dec. 00	Aug-06	150		646	164	482	30	333	44	1,025
<i>topping-up</i>	...	Aug-06	150		411	7	404	15	289	35	603
Mali					539	169	370	59	185		895
<i>original framework</i>	Sep. 98	Sep. 00	200		121	37	84	14	43	9	220
<i>enhanced framework</i>	Sep. 00	Mar. 03	150		417	132	285	45	143	29	675
Mauritania	Feb. 00	Jun. 02	137	250	622	261	361	47	100	50	1,100
Mozambique					2,023	1,270	753	143	443		4,300
<i>original framework</i>	Apr. 98	Jun. 99	200		1,717	1,076	641	125	381	63	3,700
<i>enhanced framework</i>	Apr. 00	Sep. 01	150		306	194	112	18	62	27	600
Nicaragua	Dec. 00	Jan. 04	150		3,308	2,175	1,134	82	191	73	4,500
Niger					663	235	428	42	240		1,190
<i>enhanced framework</i>	Dec. 00	Apr. 04	150		521	211	309	28	170	53	944
<i>topping-up</i>	...	Apr. 04	150		143	23	119	14	70	25	246
Rwanda					696	65	631	63	383		1,316
<i>enhanced framework</i>	Dec. 00	Apr-05	150		452	56	397	44	228	71	839
<i>topping-up</i>	...	Apr-05	150		243	9	235	20	154	53	477
Senegal	Jun. 00	Apr. 04	133	250	488	212	276	45	124	19	850
Tanzania	Apr. 00	Nov. 01	150		2,026	1,006	1,020	120	695	54	3,000
Uganda					1,003	183	820	160	517		1,950
<i>original framework</i>	Apr. 97	Apr. 98	202		347	73	274	69	160	20	650
<i>enhanced framework</i>	Feb. 00	May 00	150		656	110	546	91	357	37	1,300
Zambia	Dec. 00	Apr-05	150		2,499	1,168	1,331	602	493	63	3,900
<b>Decision point reached under enhanced framework</b>											
Burundi	Aug. 05	Floating	150		826	124	701	28	425	92	1,465
Chad	May. 01	Floating	150		170	35	134	18	68	30	260
Congo, Democratic Rep. of	Jul. 03	Floating	150		6,311	3,837	2,474	472	831	80	10,389
Congo Rep. of	Mar. 06	Floating	150	250	1,679	1,561	118	8	49	32	2,881
Gambia, The	Dec. 00	Floating	150		67	17	49	2	22	27	90
Guinea	Dec. 00	Floating	150		545	215	328	31	152	32	800
Guinea-Bissau	Dec. 00	Floating	150		416	212	204	12	93	85	790
São Tomé and Príncipe	Dec. 00	Floating	150		97	29	68	-	24	83	200
Sierra Leone	Mar. 02	Floating	150		600	205	354	123	122	80	950
<b>Total assistance provided/committed</b>					<b>35,170</b>	<b>17,248</b>	<b>17,783</b>	<b>2,603</b> 5/	<b>8,494</b>		<b>61,849</b>

Sources: IMF and World Bank Board decisions, completion point documents, decision point documents, preliminary HIPC documents, and staff calculations.

1/ Assistance levels are at countries' respective decision or completion points, as applicable.

2/ In percent of the net present value of debt at the decision or completion point (as applicable), after the full use of traditional debt-relief mechanisms.

3/ Côte d'Ivoire reached its decision point under the original framework in March 1998. The total amount of assistance committed thereunder was US\$345 million in NPV terms.

4/ Nonreschedulable debt to non-Paris Club official bilateral creditors and the London Club, which was already subject to a highly concessional restructuring, is excluded from the NPV of debt at the completion point in the calculation of this ratio.

5/ Equivalent to SDR 1,757 million at an SDR/USD exchange rate of 0.6749, as of September 26, 2006.

6/ It is suggested that enhanced HIPC relief for Côte d'Ivoire overtake the commitments made under the original HIPC framework.

Table A10. Haiti: Possible Delivery of IDA Assistance under the Enhanced HIPC Initiative, FY2007-2016 1/ 2/  
(In millions of U.S. dollars, unless otherwise indicated)

	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016
I. Debt service to IDA before HIPC Initiative assistance 3/										
Principal	14.6	14.9	15.4	16.3	16.7	16.9	16.8	16.8	18.2	19.6
Interest	3.7	3.6	3.5	3.3	3.2	3.1	3.0	2.8	2.7	2.6
II. Debt service to IDA after HIPC Initiative assistance										
Principal	9.2	14.9	7.7	11.9	16.7	16.9	16.8	16.8	18.2	19.6
Interest	2.3	3.6	1.7	2.4	3.2	3.1	3.0	2.8	2.7	2.6
III. Total IDA assistance under the HIPC Initiative										
	6.7	0.0	9.4	5.4	0.0	0.0	0.0	0.0	0.0	0.0
IV. Percentage of debt service to IDA covered by HIPC Initiative assistance										
	36.7	.....	50.0	27.6	.....	.....	.....	.....	.....	.....
<i>Memorandum Item:</i>										
Total nominal assistance	21.5									

Source: World Bank staff estimates and projections.

1/ Fiscal year ends in September.

2/ Does not include the direct impact of the concessional rescheduling of arrears in early 2005.

3/ Principal and interest payments due to IDA correspond to prorated projections based on the disbursed and outstanding debt as of end-September 2005, converted into U.S. dollars using the exchange rate as of end-September 2005.

Table A11. Haiti: Long-Term Macroeconomic Assumptions, 2005-25  
Fiscal Year Ending September 30

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Averages 2006-15 2016-25			
	(Annual percentage change)																								
<b>National income and prices</b>																									
GDP at constant prices	1.8	2.5	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	3.7	4.5
GDP deflator	17.6	13.9	8.1	8.0	7.3	6.7	5.7	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	7.9	5.0
Real GDP per capita (percentage change, local currency)	-0.2	0.8	2.2	2.3	2.3	2.3	2.3	2.3	2.4	2.4	2.9	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	2.0	3.2
Consumer prices (end of period)	14.8	12.4	8.0	8.0	7.0	6.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	7.4	5.0
<b>External sector</b>																									
Exports of goods and non-factor services	17.1	5.7	9.5	10.5	8.0	9.2	7.7	6.2	6.3	6.5	6.7	6.8	6.9	7.0	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.6	8.5	7.2	
Imports of goods and non-factor services	13.7	14.0	12.8	5.6	6.2	7.8	5.3	5.8	6.0	6.1	6.3	6.2	6.1	6.1	6.0	6.0	6.0	6.0	5.9	5.9	5.9	5.9	8.1	6.0	
<b>Central government</b>																									
Total revenue and grants	54.5	20.5	28.4	13.4	14.4	12.7	13.4	10.1	10.1	10.6	10.6	10.6	10.4	10.8	10.7	10.5	10.4	10.3	10.4	10.5	10.6	10.6	18.0	10.5	
Central government revenue 1/	30.5	23.7	9.2	18.0	16.9	14.0	14.8	11.8	11.7	11.7	12.1	12.1	12.0	12.0	11.9	11.9	11.8	11.8	11.7	11.7	11.7	11.7	15.8	11.9	
Central government expenditure	45.3	26.7	30.9	12.9	14.3	13.8	12.5	10.0	10.0	9.9	10.5	10.5	10.5	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	17.9	10.4	
	(In percent of GDP, unless otherwise indicated)																								
<b>National Income</b>	99.6	101.0	98.9	97.4	97.0	96.9	96.1	95.9	95.9	95.8	95.6	95.5	95.2	95.0	94.7	94.4	94.0	93.6	93.3	92.8	92.6	92.6	97.3	94.1	
Consumption	93.3	93.8	91.9	90.1	89.4	89.0	88.0	87.8	87.7	87.6	87.4	87.2	87.2	86.7	86.4	86.0	85.4	85.1	84.8	84.4	84.4	84.6	89.6	86.7	
Private	6.3	7.2	7.0	7.3	7.6	7.9	8.1	8.1	8.2	8.2	8.2	8.3	8.3	8.3	8.3	8.3	8.4	8.4	8.4	8.4	8.4	8.5	8.7	8.3	
Public	27.4	28.0	31.0	31.0	31.3	31.6	31.9	31.9	32.0	32.0	32.0	32.1	32.1	32.1	32.2	32.2	32.2	32.3	32.3	32.3	32.4	32.4	30.9	32.2	
Investment	23.0	23.0	23.0	23.5	23.8	24.0	24.2	24.2	24.2	24.3	24.3	24.3	24.3	24.4	24.4	24.4	24.4	24.5	24.5	24.5	24.5	24.5	23.8	24.4	
Private	4.4	5.0	7.8	7.5	7.6	7.6	7.7	7.7	7.7	7.7	7.7	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.1	7.8	
Public	488.6	527.5	575.1	616.6	641.3	669.8	698.8	730.2	762.0	795.4	834.5	877.1	922.2	969.6	1019.7	1072.6	1129.2	1188.9	1252.0	1318.6	1388.9	667.3	1113.9		
GDP per capita (US dollars)																									
<b>External sector</b>	13.9	13.3	13.2	13.3	13.6	14.0	14.2	14.2	14.3	14.3	14.4	14.4	14.4	14.5	14.6	14.7	14.8	14.9	15.0	15.1	15.3	15.3	13.9	14.8	
Exports of goods and non-factor services	40.8	42.4	43.1	41.8	41.9	42.6	42.2	42.1	42.1	42.2	42.1	41.9	41.8	41.6	41.4	41.2	41.0	40.8	40.5	40.3	40.0	42.1	41.1	41.1	
Imports of goods and non-factor services	46.3	7.5	9.5	8.0	7.9	8.0	7.9	8.1	8.3	8.4	8.2	7.9	7.5	7.2	7.0	6.7	6.4	6.0	5.7	5.5	5.2	5.0	5.0	5.0	
External current account balance 1/	1.3	6.1	1.0	4.5	5.8	6.2	6.3	6.1	6.0	6.0	6.2	6.1	6.0	5.9	5.8	5.7	5.6	5.5	5.4	5.3	5.2	5.2	5.2	5.2	
External gross reserves (in months of imports of goods and services)	1.6	2.0	2.1	2.5	2.8	3.1	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	2.8	3.3	
<b>Central government</b>																									
Central government overall balance 2/	-0.7	-1.4	-1.9	-1.9	-1.9	-2.1	-2.0	-2.0	-2.0	-2.0	-2.0	-2.0	-2.0	-2.0	-1.9	-1.9	-1.9	-2.0	-2.0	-2.0	-2.0	-2.0	-1.9	-2.0	
Total revenue and grants	13.2	13.6	15.5	15.6	16.0	16.3	16.8	17.0	17.1	17.3	17.4	17.6	17.7	17.9	18.1	18.2	18.3	18.4	18.4	18.4	18.4	18.4	18.2	18.2	
Central government revenue 1/	9.7	10.2	9.9	10.4	10.9	11.2	11.7	12.1	12.4	12.7	13.0	13.3	13.6	13.9	14.2	14.5	14.8	15.1	15.4	15.7	16.0	16.0	16.3	16.2	
Central government expenditure	13.8	15.0	17.4	17.5	18.0	18.4	18.9	19.0	19.1	19.3	19.4	19.6	19.7	19.9	20.0	20.1	20.3	20.4	20.6	20.7	20.9	20.9	18.2	20.2	

1/ Excluding grants

2/ Including grants

Table A12. Paris Club Creditors' Delivery of Debt Relief Under Bilateral Initiatives  
Beyond the HIPC Initiative 1/

Countries covered		ODA (in percent)		Non-ODA (in percent)		Provision of relief	
		Pre-cutoff date debt	Post-cutoff date debt	Pre-cutoff date debt	Post-cutoff date debt	Decision point (In percent)	Completion point
(1)		(2)	(3)	(4)	(5)	(6)	(7)
Australia	HIPCs	100	100	100	100 2/ 2/		2/
Austria	HIPCs	100	-	100	-	Case-by-case, flow	Stock
Belgium	HIPCs	100	100	100	-	100 flow	Stock
Canada	HIPCs 3/	- 4/	- 4/	100	100	100 flow	Stock
Denmark	HIPCs	100	100 5/	100	100 5/	100 flow	Stock
France	HIPCs	100	100	100	-	100 flow 6/	Stock
Finland	HIPCs	100	- 7/	100	- 7/	-	-
Germany	HIPCs	100	100	100	- 8/	100 flow	Stock
Ireland	-	-	-	-	-	-	-
Italy	HIPCs	100	100 9/	100	100 9/	100 flow	Stock
Japan	HIPCs	100	100	100	-	-	Stock
Netherlands, the	HIPCs	100 10/	100	100	-	90-100 flow 10/	Stock
Norway	HIPCs	11/	11/	12/	12/	-	-
Russia	Case-by-case	-	-	-	-	-	Stock
Spain	HIPCs	100	Case-by-case	100	Case-by-case	-	Stock
Sweden	HIPCs	-	- 13/	100	-	-	Stock
Switzerland	HIPCs	100	-	100	Case-by-case	100 flow 14/	Stock
United Kingdom	HIPCs	100	100	100	100 15/	100 flow 15/	Stock
United States	HIPCs	100	100	100	100 16/	100 flow	Stock

Source: Paris Club Secretariat.

1/ Columns (1) to (7) describe the additional debt relief provided following a specific methodology under bilateral initiatives and need to be read as a whole for each creditor. In column (1), "HIPCs" stands for eligible countries effectively qualifying for the HIPC process. A "100 percent" mention in the table indicates that the debt relief provided under the enhanced HIPC Initiative framework will be topped up to 100 percent through a bilateral initiative.

2/ Australia: post-cutoff date non-ODA relief to apply to debts incurred before a date to be finalized; timing details for both flow and stock relief are to be finalized.

3/ Canada: including Bangladesh. Canada has granted a moratorium of debt service as of January 2001 on all debt disbursed before end-March 1999 for 13 out of 17 HIPCs with debt service due to Canada. Eligible countries are Benin, Bolivia, Cameroon, Dem. Rep. Of Congo, Ethiopia, Ghana, Guyana, Honduras, Madagascar, Rwanda, Senegal, Tanzania, and Zambia. 100% cancellation will be granted at completion point. As of July 2004, Canada has provided completion point stock of debt cancellation for Benin, Bolivia, Guyana, Senegal and Tanzania.

4/ 100 percent of ODA claims have already been cancelled on HIPCs, with the exception of Myanmar's debt to Canada.

5/ Denmark provides 100 percent cancellation of ODA loans and non-ODA credits contracted and disbursed before September 27, 1999.

6/ France: cancellation of 100 percent of debt service on pre-cutoff date commercial claims on the government as they fall due starting at the decision point. Once countries have reached their completion point, debt relief on ODA claims on the government will go to a special account and will be used for specific development projects.

7/ Finland: no post-COD claims

8/ Germany proposes to cancel all debts incurred before June 20, 1999 depending on a consensus within Paris Club creditors

9/ Italy: cancellation of 100 percent of all debts (pre- and post-cutoff date, ODA and non-ODA) incurred before June 20, 1999 (the Cologne Summit). At decision point, cancellation of the related amounts falling due in the interim period. At completion point, cancellation of the stock of remaining debt.

10/ The Netherlands: 100 percent ODA (pre- and post-cutoff date debt will be cancelled at decision point); for non-ODA: in some particular cases (Benin, Bolivia, Burkina Faso, Ethiopia, Ghana, Mali, Mozambique, Nicaragua, Rwanda, Tanzania, Uganda and Zambia), the Netherlands will write off 100 percent of the consolidated amounts on the flow at decision point; all other HIPCs will receive interim relief up to 90 percent reduction of the consolidated amounts. At completion point, all HIPCs will receive 100 per cent cancellation of the remaining stock of the pre-cutoff date debt.

11/ Norway has cancelled all ODA claims.

12/ Due to the current World Bank/IMF methodology for recalculating debt reduction needs at HIPC completion point, Norway has postponed the decisions on whether or not to grant 100% debt reduction until after the completion point.

13/ Sweden has no ODA claims.

14/ Switzerland: In principle 100 percent cancellation of Pre-cutoff date non-ODA debt. However, Switzerland claims the right at the decision point to forgive only 90 percent in case of major political and/or political weaknesses.

15/ United Kingdom: "beyond 100 percent" full write-off of all debts of HIPCs as of their decision points, and reimbursement at the decision point of any debt service paid before the decision point.

16/ United States: 100 percent post-cutoff date non-ODA treated on debt assumed prior to June 20, 1999 (the Cologne Summit).

## APPENDIX 1 – GOVERNANCE ACTIONS AND POLICIES

Participation	Accountability/Oversight	Transparency
<b>Recently completed actions</b>		
<p>Preparation of Extended Interim Cooperation Framework presented at July 2006 conference attended by civil society representatives and donors.</p> <p>Completion in 2006 of diagnostic survey of state of governance and perception of corruption in Haiti as input to design of national anti-corruption strategy under preparation.</p>	<p>Creation of Anti-Corruption Unit (ULCC) in 2004.</p> <p>Financial audits of EDH (electricity), TELECO (telecoms) and APN (ports authority) completed; account rehabilitation of EDH and TELECO completed.</p> <p>Strengthening of supreme audit institution (CSCCA) with 2006 decree on its organization and functioning.</p> <p>Consultative committee and executive secretariat of the monitoring group of civil society organizations established.</p>	<p>Regular public dissemination of key budget allocations and execution information.</p> <p>Significant reduction of discretionary spending through ministerial <i>comptes courants</i> (from 62% of non-salary current public expenditure during Oct.2003-March 2004 to less than 10% since Sept. 2004).</p> <p>Dissemination of summary of progress reports on economic governance reforms prepared by civil society organizations.</p> <p>Creation of National Commission for Public Procurement in 2004 and 2005 new procurement decree; preparation of standard bidding documents; publication of Government contracts and supplier database.</p>
<b>Planned actions (HIPC Completion Point Triggers in bold)</b>		
<p><b>Participatory process for preparation of Poverty Reduction Strategy (PRS).</b></p> <p>Creation of National Partnership Office (NEPO) and National Partnership Fund to promote policy dialogue and coordination between key education sector stakeholders (including non-public education service providers, parents' associations, teachers unions, government), and accountability and transparency in use of public education funds.</p>	<p>Mechanism in place for monitoring/evaluation of PRSP implementation.</p> <p><b>Adoption of automated mechanism to track public expenditures for poverty reduction.</b></p> <p><b>Adoption and satisfactory implementation of public financing mechanism to help poor families pay for fees in non-public primary schools for enrollment of additional 50,000 out-of-school children.</b></p> <p>Accountability for financing mechanism at school level through school management committees including parents' representatives.</p> <p><b>Adoption of Asset Declaration Law applying to people identified by Constitution and public resource managers, with sanctions for non compliance.</b></p> <p>Definition of system, applicability and procedures for new civil service recruitments and promotions.</p> <p>Adoption and satisfactory implementation of Anti-Corruption Strategy.</p> <p><b>Up-to-date preparation of Government accounts, their annual audit by CSCCA and their submission to Parliament;</b> preparation and implementation of action plan to address key audit findings.</p> <p>Up-to-date annual audit of key public enterprises' financial statements; preparation and satisfactory implementation of action plan to address key audit recommendations.</p>	<p><b>Dissemination of PRS annual progress reports.</b></p> <p><b>Publication of quarterly reports on public expenditures for poverty reduction based on automated tracking mechanism.</b></p> <p>Oversight of public financing mechanism for non-public school transfers by NEPO Board and by <b>independent audit of schools receiving public transfers;</b> information on per-capita allocations to schools available to parents.</p> <p><b>Adoption and satisfactory implementation of a new procurement law, promoting transparency and competition in line with international best practice.</b></p> <p><b>Publication of audited Government accounts.</b></p>

## APPENDIX 2 – HAITI: JOINT BANK-FUND DEBT SUSTAINABILITY ANALYSIS

*The low-income country debt sustainability analysis (LIC DSA) indicates that Haiti's risk of debt distress is high, even after full delivery of HIPC debt relief and additional bilateral debt relief.<sup>49</sup> Debt relief from IDA under the MDRI would significantly reduce Haiti's risk of debt distress at the decision point. The inclusion of domestic debt in the debt sustainability analysis does not change the assessment of Haiti's risk of debt distress.*

### A. Introduction

**The debt sustainability analysis presented in this appendix is based on the common standard framework for low-income countries approved by the IDA and IMF Boards in 2005.<sup>50</sup>** It presents the projected path of Haiti's debt burden indicators under the LIC DSA methodology and draws conclusion on the forward-looking sustainability of external and public sector debt.

### B. Baseline Scenario

**The baseline scenario assumes the same long-run macroeconomic framework as the one underlying the HIPC debt sustainability analysis** (Box 1 in the main text). Real GDP is projected to grow, on average, by 4.2 percent from FY2006 to FY2026, reflecting better security conditions, sustained political and macroeconomic stability, progress on economic governance, and improvements in social and economic infrastructure, contributing to higher private investment, including FDI. Inflation is expected to gradually decline from 12.0 percent in FY2006, stabilizing at 5.0 percent from 2011. The external current account deficit is anticipated to slowly improve from 7.6 percent of GDP in FY2006, to 5.2 percent by 2026. The improvement would reflect, to a large extent, robust export growth combined with a slowdown of import growth.

The baseline scenario assumes HIPC interim assistance after the decision point and irrevocable debt relief starting at the completion point, assumed at end-September 2008. This is consistent with the “conditional delivery of HIPC Initiative assistance” scenario in the HIPC DSA.

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<sup>49</sup> The World Bank's Country Policy and Institutional Assessment (CPIA) rates Haiti as a poor performer. Under the joint World Bank/IMF debt sustainability framework, the corresponding thresholds are 30 percent for the NPV of debt to GDP ratio, 100 percent for the NPV of debt to exports ratio, and 15 percent for the debt service to exports ratio (Operational Framework for Debt Sustainability Framework in Low-Income Countries – Further Considerations, SM/05/109).

<sup>50</sup> See “Debt Sustainability in Low-Income Countries: Proposal for an Operational Framework and Policy Implications” and “Debt Sustainability in Low-Income Countries: Further Considerations on an Operational Framework and Policy Implications”.

**Box A1. Differences in methodologies and results between LIC and HIPC debt sustainability analysis.**

Under the LIC DSA framework, Haiti's NPV of debt-to-exports ratio is estimated at 132.6 percent at end-2005, assuming unconditional delivery of HIPC Initiative assistance. This is 17.4 percentage points lower than the NPV of debt-to-exports ratio of 150 percent obtained using the HIPC methodology, after unconditional delivery of HIPC Initiative assistance (Table AP1). Three methodological differences between the HIPC and LIC DSA frameworks can explain the differences:

- **Discount rates.** Under the HIPC Initiative the rates used are the six-month averages of the currency-specific long-term commercial interest reference rates (CIRRs), which correspond to a maturity of approximately ten years. These are used to calculate the NPV on a loan-by-loan basis. The LIC DSA relies on aggregate debt service projections in US dollars, using the single discount rate for the US dollar (currently approximated 5 percent), which is higher than the average discount rate used for the HIPC DSA.
- **Exchange rates.** The HIPC DSA uses end-September 2005 exchange rates whereas the LIC DSA is based on WEO projections. **Variations after end-September 2005 have a small positive impact (2.9 percent) on the debt indicator.**
- **Denominator used to calculate the NPV of debt-to-exports ratios.** The denominator used under the HIPC Initiative is derived as a backward-looking three-year average. The LIC DSA framework focuses on the future path of the NPV of debt-to-exports ratio, and applies current-year's exports.

**Haiti: Decomposition of the decrease in the NPV of debt-to-exports ratio at end-2005**

Factors explaining the change in the NPV of debt-to-exports ratio	Impact of methodological change
<b>HIPC methodology</b>	<b>150.0</b>
Total change	-17.4
Exchange rates	2.9
Discount rate	-2.2
Exports of goods and services	-18.1
<b>DSA methodology</b>	<b>132.6</b>
<u>Memorandum items:</u>	
Current year's exports	597
Backward-looking three-year average	525

**C. External Debt Sustainability**

The baseline scenario, which assumes full delivery of HIPC Initiative assistance, indicates that Haiti is at high risk of debt distress. The NPV of debt-to-exports ratio

remains above the indicative threshold (100 percent) until FY2021. However, Haiti's debt service-to-exports ratio remains below the indicative threshold (15 percent) over the entire projection period.

**The sensitivity analysis suggests that the external debt indicators could rapidly deteriorate if confronted by adverse shocks (see Table AP2).** The sensitivity analysis examines the impact on debt indicators of permanent changes to baseline assumptions (alternative scenarios) as well as of temporary shocks to main variables (bound tests).

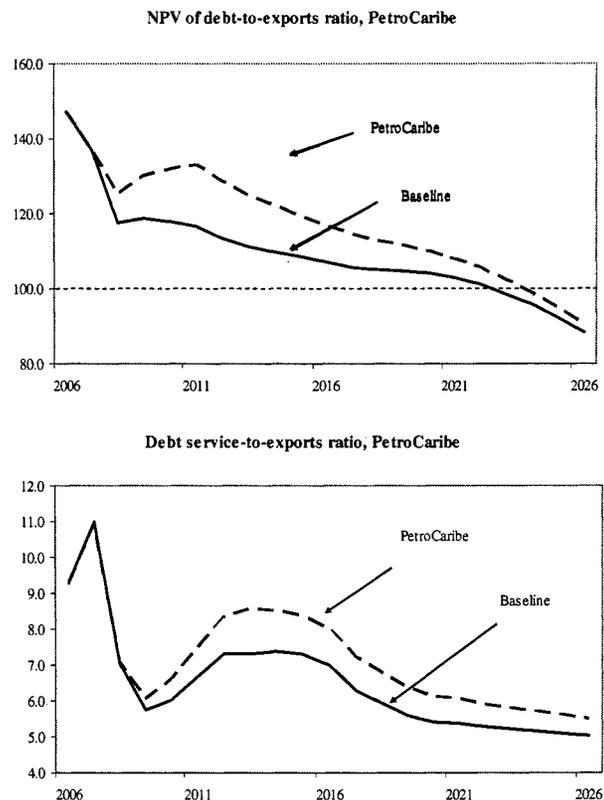
- The scenario based on historical averages of key variables gives the same conclusion as the baseline scenario. The NPV of debt-to-exports ratio is consistently above the threshold, but the other indicators remain below the indicative threshold over the projection period. The debt indicators under the historical scenario follow a somewhat higher trajectory than under the baseline scenario, reflecting the expected improvements in macroeconomic conditions compared to the last decade.
- Financial assistance provided under the MDRI would improve Haiti's debt situation. Including MDRI, which would reduce Haiti's debt by approximately US\$464.4 million in nominal terms, the NPV of external debt-to-exports ratio would fall below the 100 percent threshold at the completion point anticipated at end-September 2008.
- Participation in PetroCaribe could worsen debt sustainability, but does not lead to any additional breaches of indicative thresholds compared to the baseline scenario (see Box A2).
- The bound tests reveal some underlying vulnerabilities, particularly with respect to the export-based debt indicator. The export-based debt indicator worsens significantly in all scenarios. However, the GDP-based debt indicator remains below the indicative threshold with the exception of a combined adverse shock to all key variables (real GDP growth, export growth, US dollar GDP deflator, and non-debt creating capital inflows). The debt service indicators never breach the indicative threshold.

### Box A2 : The impact on debt sustainability of PetroCaribe.

**Under the PetroCaribe agreement, Haiti could obtain new concessional external financing from Venezuela.** The agreement was ratified by the Parliament in August. At current oil prices, the accord provides for upfront payment of 60 percent of oil imported through the accord and payments for the remaining 40 percent over 25 years with a two year grace period at 1 percent annual interest. The underlying grant element is estimated at 49 percent at current US dollar discount rates.

**Despite high concessionality, PetroCaribe could lead to a significant increase in external debt service payments in the medium and long run.** The agreement does not specify the amount that could be imported under PetroCaribe, but based on earlier assessments, the staff projects that Haiti could receive about 4,500 barrels per day, or about 1/3 of current oil imports. Assuming oil imports of about 1.6 millions barrels a year under the PetroCaribe agreement over the next five years (FY2007-11), with oil prices in line with WEO assumptions, Haiti would accumulate annual gross flows of concessional resources of about 0.8 percent of GDP during FY2007-11. However, from FY2012, transfers become negative. Debt service payments related to PetroCaribe would peak at about 1 percent of exports in FY2013.

**The increase in the external debt service payments reflects to fact that the authorities intend to use resources from PetroCaribe will be used to finance investment projects.** It will be important to ensure that the returns to these projects, which can be expected to materialize in the long run, are adequate to amortize the accumulated debt.



### D. Public Sector Debt Sustainability

**Under the baseline scenario, Haiti's public debt (including domestic debt) is expected to remain broadly constant (see Table AP3).** In the short run the country is expected to continue to rely heavily on external financing, especially external grants. This, together with

high revenue efforts and a slow expansion of the public sector, should contain debt-creating financing of the budget and thereby help to maintain fiscal sustainability. A relatively low initial public debt burden and the positive outlook for revenue performance and growth would allow the country to run a primary deficit of on average 1.2 percent of GDP over the long run without threatening long-term sustainability.

**A projected slowdown in external grant financing is expected to be counterbalanced by higher internal revenues and a gradual increase of domestic borrowing.** Domestic debt is expected to increase from about 2.0 percent of GDP in the medium term to 7.4 percent of GDP by FY2026. The expected increase in domestic debt is anticipated to contribute to the development of the domestic financial market.

**The evolution of public debt remains robust under alternative scenarios and bound tests (see Table AP4).** However, low growth (scenario B1) could distort the debt trajectory leading to an increase of 11 percentage points in the NPV of debt-to-GDP ratio between FY2006 and FY2026. In the short and medium-term, projected debt trends shown in the baseline scenarios are closely aligned with trends prevailing under macroeconomic assumptions in line with historical trends. Given growth and revenue projections above historical trends, debt projections divert from historical developments in the long run.

#### **E. Debt Distress Classification and Conclusion**

**Haiti's risk of debt distress is high.** Under the baseline scenario – which includes HIPC Initiative assistance - the NPV of debt-to-exports ratio remains above the LIC DSA threshold (100 percent) until FY2021, whereas the other debt indicators remain below the threshold over the projection period. The sensitivity analysis has highlighted the fact that Haiti's external debt situation is vulnerable to shocks.

**Public sector domestic debt is not projected to add significant risk to the debt outlook.** Increased revenue efforts and a slow expansion of the public sector will help to maintain fiscal sustainability in the medium and long run.

Table APl. Haiti: External Debt Sustainability Framework, Baseline Scenario, 2006-2026 1/

(In percent of GDP, unless otherwise indicated)

	Actual										Projections									
	2000	2001	2002	2003	2004	2005	Average of	Standard Deviation of	2006	2007	2008	2009	2010	2011	Average	2016	2026	2012-26 Average		
<b>External debt (nominal) 1/</b>	28.9	32.6	35.2	43.9	38.3	29.5			28.0	25.9	24.6	25.4	26.1	26.5	26.5	25.6	22.5	22.5		
o/w public and publicly guaranteed (PPG)	28.9	32.6	35.2	43.9	38.3	29.5			28.0	25.9	24.6	25.4	26.1	26.5	26.5	25.6	22.5	22.5		
Change in external debt	0.4	3.7	2.7	8.7	-5.6	-8.7			-1.5	-2.1	-1.4	0.9	0.7	0.3	-0.1	-0.1	-0.9	-0.9		
Identified net debt-creating flows	2.2	4.8	2.0	7.1	-6.0	-8.4			-1.5	-0.2	-0.8	-0.9	-0.8	-1.0	0.3	1.8	0.9	1.5		
Non-interest current account deficit	0.6	1.7	0.6	1.0	0.8	-1.7	0.3	1.0	-0.3	0.9	0.3	0.3	0.4	0.3	0.3	1.8	0.9	1.5		
Deficit in balance of goods and services	21.6	23.9	23.1	32.0	29.3	27.0			29.1	30.1	28.5	28.3	28.6	28.0	27.5	24.4	24.4	24.4		
Exports	12.7	12.3	12.6	15.8	14.4	13.9			13.3	13.2	13.3	13.6	14.0	14.2	14.4	13.4	13.4	13.4		
Imports	34.3	36.2	35.7	47.9	43.8	40.8			42.4	43.3	41.8	42.0	42.6	42.2	41.9	39.8	39.8	39.8		
Net current transfers (negative = inflow)	-20.2	-21.8	-22.6	-31.0	-28.4	-29.1	-21.4	6.3	-29.3	-29.1	-27.9	-27.7	-27.6	-27.1	-25.1	-23.0	-24.5	-24.5		
Other current account flows (negative = net inflow)	-0.7	-0.3	0.0	0.0	-0.1	0.4			0.0	0.0	-0.1	-0.2	-0.3	-0.5	-0.6	-0.6	-0.5	-0.5		
Net FDI (negative = inflow)	-0.2	-0.1	-0.1	-0.5	-0.2	-0.2	-0.3	0.2	-1.0	-0.4	-0.4	-0.5	-0.5	-0.6	-0.6	-0.7	-1.2	-0.9		
Endogenous debt dynamics 2/	1.8	3.2	1.6	6.6	-6.7	-6.4			-0.3	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.8	-0.7	-0.7		
Contribution from nominal interest rate	0.4	0.3	0.4	0.5	0.5	0.4			0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2		
Contribution from real GDP growth	-0.3	0.3	0.1	-0.2	1.3	-0.6			-0.7	-1.0	-1.0	-0.9	-1.0	-1.0	-1.1	-1.1	-1.0	-1.0		
Contribution from price and exchange rate changes	1.7	2.5	1.1	6.2	-8.5	-6.3			...	...	...	...	...	...	...	...	...	...		
Residual (3-4) 3/	-1.9	-1.1	0.7	1.6	0.4	-0.4			0.0	-1.9	-0.5	1.7	1.5	1.3	1.3	-0.4	0.1	0.1		
o/w exceptional financing	-0.2	-0.3	-0.8	0.0	-0.6	1.0			-0.2	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
NPV of external debt 4/	...	...	...	...	...	20.8			19.6	18.1	17.6	16.2	16.5	16.6	16.6	15.4	13.6	13.6		
In percent of exports	...	...	...	...	...	149.9			147.1	137.1	117.6	118.7	117.9	116.7	116.7	107.1	88.3	88.3		
NPV of PPG external debt	...	...	...	...	...	20.8			19.6	18.1	15.7	16.2	16.5	16.6	16.6	15.4	13.6	13.6		
In percent of exports	...	...	...	...	...	149.9			147.1	137.1	117.6	118.7	117.9	116.7	116.7	107.1	88.3	88.3		
Debt service-to-exports ratio (in percent)	7.9	8.7	7.9	8.7	9.1	8.5			9.3	11.0	7.0	5.8	6.0	6.7	7.0	5.0	5.0	5.0		
PPG debt service-to-exports ratio (in percent)	7.9	8.7	7.9	8.7	9.1	8.5			9.3	11.0	7.0	5.8	6.0	6.7	7.0	5.0	5.0	5.0		
Total gross financing need (millions of U.S. dollars)	56.4	98.0	49.4	56.7	68.8	-32.4			0.7	102.9	44.2	33.9	48.0	44.9	194.2	83.2	83.2	83.2		
Non-interest current account deficit that stabilizes debt ratio	0.3	-2.0	-2.1	-7.7	6.4	7.0			1.2	3.0	1.6	-0.6	-0.3	0.0	1.9	1.8	1.8	1.8		
<b>Key macroeconomic assumptions</b>																				
Real GDP growth (in percent)	0.9	-1.0	-0.3	0.4	-3.5	1.8	1.0	2.2	2.5	4.0	4.0	4.0	4.0	4.0	4.0	4.5	4.5	4.4		
GDP deflator in US dollar terms (change in percent)	-5.6	-8.1	-3.2	-15.1	23.9	19.7	3.7	12.8	7.1	6.7	4.9	1.7	2.1	2.1	4.1	1.9	1.9	1.9		
Effective interest rate (percent) 5/	1.2	1.0	1.2	1.2	1.4	1.3	1.2	0.2	1.5	1.1	1.3	1.1	1.1	1.2	1.2	1.2	1.1	1.1		
Growth of exports of G&S (US dollar terms, in percent)	-4.8	-12.0	-1.3	7.2	8.9	17.1	11.2	16.3	5.7	9.5	10.5	8.0	9.2	7.7	8.4	6.8	7.6	7.0		
Growth of imports of G&S (US dollar terms, in percent)	8.0	-4.0	-4.8	14.4	9.2	13.7	8.6	8.7	14.0	13.2	5.4	6.2	7.8	5.2	8.6	6.2	5.9	6.0		
Grant element of new public sector borrowing (in percent)	...	...	...	...	...	...	...	...	48.4	43.3	49.0	49.0	50.9	52.5	48.9	52.4	52.4	52.4		
<b>Memorandum item:</b>																				
Nominal GDP (millions of US dollars)	3953.8	3596.4	3472.2	2960.3	3537.7	4310.3			4733.9	5250.4	5725.7	6055.3	6430.9	6829.8	9236.3	17385.3				

Source: Staff simulations.

1/ Includes both public and private sector external debt.

2/ Derived as  $(1 - \rho) / (1 + \rho) / (1 + g - \rho)$  (times previous period debt ratio, with  $\rho$  = 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 NPV 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.

Table AP2. Haiti: Sensitivity Analyses for Key Indicators of Public and Publicly Guaranteed External Debt, 2006-26  
(In percent)

	Projections							
	2006	2007	2008	2009	2010	2011	2016	2026
<b>NPV of debt-to-GDP ratio</b>								
<b>Baseline</b>	20	18	16	16	17	17	15	14
<b>A. Alternative Scenarios</b>								
A1. Key variables at their historical averages in 2007-26 1/	17	17	17	18	19	19	17	15
A2. New public sector loans on less favorable terms in 2007-26 2/	17	16	17	18	19	19	21	21
A3. PetroCaribe agreement	20	18	17	18	18	19	17	14
A4. MDRI	20	18	11	12	12	13	13	13
<b>B. Bound Tests</b>								
B1. Real GDP growth at historical average minus one standard deviation in 2007-08	17	17	17	18	18	18	17	15
B2. Export value growth at historical average minus one standard deviation in 2007-08 3/	17	17	18	19	19	19	18	15
B3. US dollar GDP deflator at historical average minus one standard deviation in 2007-08	17	18	21	22	22	22	21	18
B4. Net non-debt creating flows at historical average minus one standard deviation in 2007-08 4/	17	23	29	29	29	29	26	19
B5. Combination of B1-B4 using one-half standard deviation shocks	17	26	38	39	39	38	35	24
B6. One-time 30 percent nominal depreciation relative to the baseline in 2007 5/	17	22	22	22	23	23	21	19
<b>NPV of debt-to-exports ratio</b>								
<b>Baseline</b>	147	137	118	119	118	117	107	88
<b>A. Alternative Scenarios</b>								
A1. Key variables at their historical averages in 2007-26 1/	130	125	129	132	133	135	117	101
A2. New public sector loans on less favorable terms in 2007-26 2/	130	121	124	129	133	136	143	139
A3. PetroCaribe agreement	130	137	125	130	132	133	117	90
A4. MDRI	147	137	83	86	87	89	87	83
<b>B. Bound Tests</b>								
B1. Real GDP growth at historical average minus one standard deviation in 2007-08	130	120	117	119	118	117	107	88
B2. Export value growth at historical average minus one standard deviation in 2007-08 3/	130	146	183	184	181	179	163	127
B3. US dollar GDP deflator at historical average minus one standard deviation in 2007-08	130	120	117	119	118	117	107	88
B4. Net non-debt creating flows at historical average minus one standard deviation in 2007-08 4/	130	174	217	215	209	205	184	121
B5. Combination of B1-B4 using one-half standard deviation shocks	130	183	255	252	246	240	215	140
B6. One-time 30 percent nominal depreciation relative to the baseline in 2007 5/	130	120	117	119	118	117	107	88
<b>Debt service ratio</b>								
<b>Baseline</b>	9	11	7	6	6	7	7	5
<b>A. Alternative Scenarios</b>								
A1. Key variables at their historical averages in 2007-26 1/	9	12	8	6	7	8	8	6
A2. New public sector loans on less favorable terms in 2007-26 2/	9	11	7	6	7	8	8	9
A3. PetroCaribe agreement	9	11	7	6	7	8	8	6
A4. MDRI	9	11	7	5	5	4	6	4
<b>B. Bound Tests</b>								
B1. Real GDP growth at historical average minus one standard deviation in 2007-08	9	11	7	6	6	7	7	5
B2. Export value growth at historical average minus one standard deviation in 2007-08 3/	9	13	10	8	9	9	10	7
B3. US dollar GDP deflator at historical average minus one standard deviation in 2007-08	9	11	7	6	6	7	7	5
B4. Net non-debt creating flows at historical average minus one standard deviation in 2007-08 4/	9	11	8	8	8	8	10	8
B5. Combination of B1-B4 using one-half standard deviation shocks	9	12	9	9	9	10	12	9
B6. One-time 30 percent nominal depreciation relative to the baseline in 2007 5/	9	11	7	6	6	7	7	5
<b>Memorandum item:</b>								
Grant element assumed on residual financing (i.e., financing required above baseline) 6/	51	51	51	51	51	51	51	51

Source: Staff projections and simulations.

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 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 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 AP4. Haiti: Sensitivity Analysis for Key Indicators of Public Debt 2006-2026

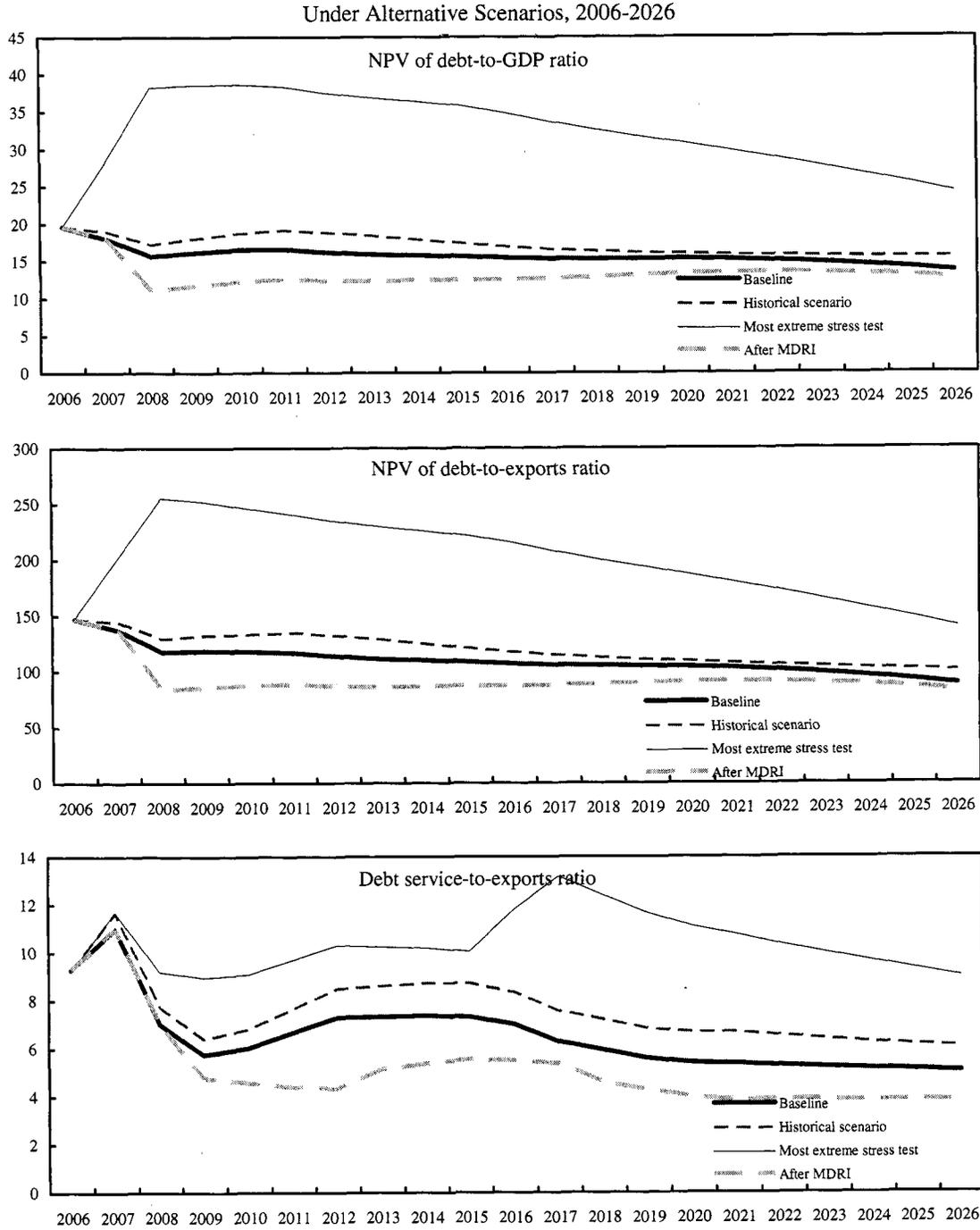
	Projections							
	2006	2007	2008	2009	2010	2011	2016	2026
<b>NPV of Debt-to-GDP Ratio</b>								
<b>Baseline</b>	24	21	18	18	18	18	19	21
<b>A. Alternative scenarios</b>								
A1. Real GDP growth and primary balance are at historical averages	24	22	19	19	19	19	21	28
A2. Primary balance is unchanged from 2006	24	21	17	17	16	16	14	11
A3. Permanently lower GDP growth 1/	24	21	19	19	19	19	22	29
<b>B. Bound tests</b>								
B1. Real GDP growth is at historical average minus one standard deviations in 2007-2008	24	23	21	22	23	23	27	35
B2. Primary balance is at historical average minus one standard deviations in 2007-2008	24	22	19	19	19	19	20	21
B3. Combination of B1-B2 using one half standard deviation shocks	24	22	20	20	20	19	19	20
B4. One-time 30 percent real depreciation in 2007	24	30	26	26	25	24	23	23
B5. 10 percent of GDP increase in other debt-creating flows in 2007	24	27	23	23	23	23	23	24
<b>NPV of Debt-to-Revenue Ratio 2/</b>								
<b>Baseline</b>	174	138	118	114	113	109	110	110
<b>A. Alternative scenarios</b>								
A1. Real GDP growth and primary balance are at historical averages	174	139	119	116	114	110	111	127
A2. Primary balance is unchanged from 2006	174	135	112	105	99	92	78	60
A3. Permanently lower GDP growth 1/	174	138	119	116	116	113	122	151
<b>B. Bound tests</b>								
B1. Real GDP growth is at historical average minus one standard deviations in 2007-2008	174	144	132	132	134	133	151	181
B2. Primary balance is at historical average minus one standard deviations in 2007-2008	174	141	123	119	118	114	114	113
B3. Combination of B1-B2 using one half standard deviation shocks	174	142	125	120	117	111	106	101
B4. One-time 30 percent real depreciation in 2007	174	197	169	159	152	143	130	121
B5. 10 percent of GDP increase in other debt-creating flows in 2007	174	172	149	144	141	136	133	124
<b>Debt Service-to-Revenue Ratio 2/</b>								
<b>Baseline</b>	15	12	10	9	9	8	8	9
<b>A. Alternative scenarios</b>								
A1. Real GDP growth and primary balance are at historical averages	15	12	10	9	9	8	9	12
A2. Primary balance is unchanged from 2006	15	12	9	8	8	7	7	6
A3. Permanently lower GDP growth 1/	15	12	10	9	9	8	9	11
<b>B. Bound tests</b>								
B1. Real GDP growth is at historical average minus one standard deviations in 2007-2008	15	12	11	11	10	9	10	13
B2. Primary balance is at historical average minus one standard deviations in 2007-2008	15	12	11	10	9	8	8	9
B3. Combination of B1-B2 using one half standard deviation shocks	15	12	11	10	9	8	8	9
B4. One-time 30 percent real depreciation in 2007	15	12	11	10	9	9	9	10
B5. 10 percent of GDP increase in other debt-creating flows in 2007	15	12	17	10	9	8	8	10

Sources: Fund staff estimates and projections.

1/ Assumes that real GDP growth is at baseline minus one standard deviation divided by the square root of 20 (i.e., the length of the projection period).

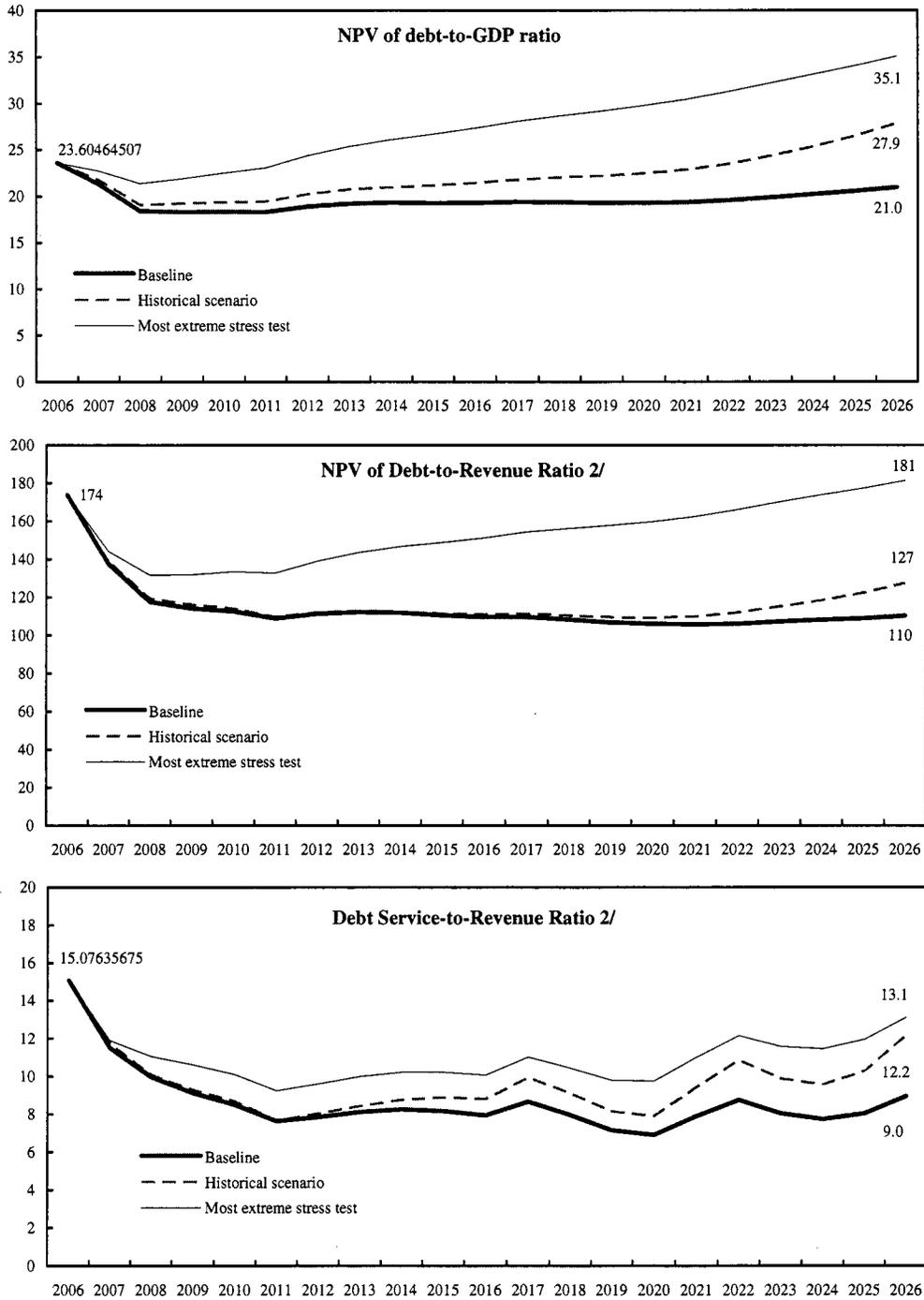
2/ Revenues are defined inclusive of grants.

Figure AP1. Haiti: Indicators of Public and Publicly Guaranteed External Debt



Source: Staff projections and simulations.

Figure AP2. Haiti: Indicators of Public Debt Under Alternative Scenarios, 2006-2026 1/



Source: Staff projections and simulations.  
 1/ Most extreme stress test is test that yields highest ratio in 2016.  
 2/ Revenue including grants.

### Appendix 3 – Debt Management Capacity

Currently, the Central Bank of the Republic of Haiti (Banque Centrale de la République d'Haïti, BRH) and the Ministry of Economy and Finances (Ministère de l'Économie et des Finances, MEF) are jointly responsible for debt management in Haiti. While the BRH has a relatively complete debt database, the archives of the MEF were devastated by a fire in 2002. The MEF with support from the BRH is currently rebuilding its database. Overall, the coverage of public debt (external and domestic) is appropriate. The BRH updates its database at every payment cycle, ensuring that the authorities' database is broadly in line with the creditors.

A modern debt reporting system is installed at the BRH, while the MEF is preparing to acquire such a system. Currently, the BRH uses an old version of UNCTAD's debt management system (DMFAS, version 5.2). Both the BRH and the MEF are considering acquiring an updated version of DMFAS. This would be contingent on the receipt of appropriate financing from donors and is also dependent on an assessment by a mission from UNCTAD. In addition to DMFAS, UNCTAD would also provide training to the staff of the BRH and the MEF. The use of an appropriate software and adequate training will be critical for improving debt management.

The following debt service procedures are typically followed. Every month, the BRH sends the MEF a statement of all debt service falling due in the following month. At the end of the month, the MEF issues a payment order for the full amount of debt service for the following month. The BRH debits the Treasury account to pay each creditor as debt service falls due. The BRH cannot legally pay a creditor without having information about the associated disbursement.

The BRH produces monthly, quarterly and annual reports which contain data on external debt. These reports cover the transactions (disbursements and payments) as well as the stock of debt and the accumulation of arrears. The reports are disseminated throughout the Central Bank and MEF. This allows the authorities to integrate the relevant information into the macroeconomic framework. The data are available to the public upon request within one month after the reference period, and are subsequently published with some additional delay.

Looking ahead, Haiti needs to further strengthen its debt management capacity by:

- (i) clarifying by law the debt management responsibility of the BRH and the MEF;
- (ii) improving information sharing, including frequent debt reconciliation exercises, between the BRH and the MEF;
- (iii) shortening the procedures for debt service payments;
- (iv) improving the tracking of disbursements;
- (v) acquiring a modern debt reporting system;
- (vi) training of staff; and
- (vii) improving the capacity to produce debt sustainability analyses.





