

**Meeting:** International Public Sector Accounting  
Standards Board

**Meeting Location:** Toronto, Canada

**Meeting Date:** June 17–20, 2013

## Agenda Item 7

For:

☒ Approval

☐ Discussion

☐ Information

### Reporting on the Long-Term Sustainability of an Entity's Finances

#### Objective(s) of Agenda Item

1. The objective of this session is to **approve** the draft RPG 1, *Reporting on the Long-Term Sustainability of an Entity's Finances*.

#### Material(s) Presented

- Agenda Item 7.1 Draft RPG 1, *Reporting on the Long-Term Sustainability of an Entity's Finances* Marked-Up Version
- Agenda Item 7.2 Draft RPG 1, *Reporting on the Long-Term Sustainability of an Entity's Finances* Clean Version—Core text and Basis for Conclusions only

#### Review and Approval of RPG 1

2. At its meeting in March 2013, the IPSASB agreed that a revised draft RPG 1 would be circulated to Members for an initial review before the June 2013 meeting, with the aim being to approve the draft RPG at that meeting. Staff sent out the revised draft RPG 1 for review on April 25, 2013 and received comments from six members, four TAs and one observer. These comments and staff responses are available from Staff on request.
3. Agenda Paper 7.1 presents a marked-up version of the revised draft RPG 1 from the March 2013 agenda papers. The clean version of the core text and Basis for Conclusions is in Agenda Paper 7.2.

#### Matter(s) for Consideration

1. The IPSASB is asked to conduct a page-by-page review of the draft RPG 1 in Agenda Paper 7.1 and to vote on its approval.

**Final Pronouncement**  
July 2013

**RPG 1**

*Recommended Practice Guideline*

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# Reporting on the Long-Term Sustainability of an Entity's Finances



International Public  
Sector Accounting  
Standards Board

This document was developed and approved by the International Public Sector Accounting Standards Board (IPSASB).

The IPSASB sets International Public Sector Accounting Standards (IPSASs) and Recommended Practice Guidelines (RPGs) for use by public sector entities, including national, regional, and local governments, and related governmental agencies.

The objective of the IPSASB is to serve the public interest by setting high-quality public sector accounting standards and by facilitating the adoption and implementation of these, thereby enhancing the quality and consistency of practice throughout the world and strengthening the transparency and accountability of public sector finances.

The structures and processes that support the operations of the IPSASB are facilitated by the International Federation of Accountants (IFAC).

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# REPORTING ON THE LONG-TERM SUSTAINABILITY OF AN ENTITY'S FINANCES

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## Objective

1. ~~This Recommended Practice Guideline (RPG) provides guidance to reporting long-term fiscal sustainability information ("reporting long-term fiscal sustainability information").~~ Reporting on the long-term sustainability of an entity's finances (~~"reporting long-term fiscal sustainability information"~~) provides information on the impact of current policies and decisions made at the reporting date on future inflows and outflows and supplements information in the general purpose financial statements ("financial statements"). ~~This Recommended Practice Guideline (RPG) provides guidance on the approach to reporting long-term fiscal sustainability information.~~ The aim of such reporting is to provide an indication of the projected long-term sustainability of an entity's finances over a specified time horizon in accordance with transparent assumptions.
2. Long-term fiscal sustainability information is broader than information derived from the financial statements. It includes projected inflows and outflows related to the provision of goods and services and programs providing social benefits under current policy over a specified time horizon. It therefore takes into account decisions made by the entity on or before the reporting date that give rise to future outflows that do not meet the definition and/or recognition criteria for liabilities at the reporting date. Similarly it takes into account future taxation inflows/receipts, contributions and inter-governmental transfers that do not meet the definition of, and/or recognition criteria for, assets at the reporting date.
3. Assessments of long-term fiscal sustainability ~~involve using~~ use a broad range of data. These data include financial and non-financial information about future ~~current~~ economic and demographic conditions, assumptions about country and global trends such as productivity, the relative competitiveness of the national, state or local economy and expected changes in demographic variables such as age, longevity, gender, income, educational attainment and morbidity.

## Status and Scope

4. ~~This RPG provides guidance on reporting long-term fiscal sustainability information.~~ The reporting of information in accordance with this RPG represents good practice. An entity reporting long-term fiscal sustainability information is encouraged to follow this RPG. Compliance with this RPG is not required in order for an entity to assert that its financial statements comply with International Public Sector Accounting Standards (IPSASs) ~~applicable to the financial statements~~.
5. The scope of this RPG includes an entity's projected flows. It is not limited to those flows related to programs providing social benefits. Nevertheless, this RPG acknowledges that the flows relating to programs providing social benefits, including entitlement programs that require contributions from participants, can be a highly significant component of reporting long-term fiscal sustainability information for many entities.
6. This RPG does not directly address issues associated with the reporting of environmental sustainability. However, an entity should assess any financial impacts of environmental factors and take them into account when developing its projections.
7. This RPG applies ~~can apply~~ to all public sector entities, except Government Business Enterprises (GBEs).

8. Although this RPG does not apply directly to GBEs, the ~~future prospective~~ inflows and outflows to/from the entity from/to a GBE over the specified time horizon of the projections are within the scope of this RPG.
9. An entity whose long-term fiscal sustainability information complies with this RPG should make an explicit and unreserved statement of such compliance. Long-term fiscal sustainability information should not be described as complying with this RPG unless it complies with all the requirements of this RPG.
10. This RPG does not provide guidance on the level of assurance (if any) to which long-term fiscal sustainability information should be subjected.

## Definitions

11. The following terms are used in this RPG with the meaning specified:

~~Debt capacity is the ability of the entity over the period of the projections to meet its financial commitments as they come due or to raise debt as necessary, based on current policy assumptions for service delivery to recipients and entitlements for beneficiaries, and for raising revenue from taxation and other sources.~~

Inflows are cash and cash equivalents projected to be received or accrued by the entity over the time horizon of the projections.

Long-term fiscal sustainability is the ability of an entity to meet service delivery and financial commitments both now and in the future.

Outflows are cash and cash equivalents projected to be paid or incurred by the entity over the time horizon of the projections.

A projection is prospective financial information prepared on the basis of the entity's current policy assumptions, and assumptions about future economic and other conditions.

~~Service capacity is the ability of the entity over the period of the projections to maintain the volume and quality of services provided to recipients and meet obligations related to entitlement programs for beneficiaries, based on current policy assumptions for raising revenue from taxation and other sources, while remaining within debt constraints.~~

~~Revenue vulnerability is (a) the entity's dependency upon funding sources outside its control and (b) the ability of the entity to vary existing taxation levels or other revenue sources or to introduce new revenue sources, over the period of the projections, to finance current policy assumptions for service delivery to recipients and entitlements for beneficiaries, while remaining within debt constraints.~~

Terms used in this RPG with the meanings specified in International Public Sector Accounting Standards (IPSASs) are set out in Appendix C.

## Determining Whether to Report Long-Term Fiscal Sustainability Information

12. In determining whether to report long-term fiscal sustainability information, an entity needs to assess ~~whether which~~ potential users exist for prospective financial information.
13. The relevance of reporting long-term fiscal sustainability information should be considered in the context of that entity's funding and capacity to determine service delivery levels. There are likely to

be users for long-term fiscal sustainability information for entities with one or more of the following characteristics:

- (a) Significant tax and/or other revenue raising powers;
- (b) Powers to incur significant debt; or
- (c) The power and ability to determine the nature, level and method of service delivery including the introduction of new services.

## Reporting Boundary

- 14. ~~An entity should use the same reporting boundary for reporting long-term fiscal sustainability information as that used for the financial statements. This Use of the same reporting boundary as for the financial statements~~ enhances the understandability of projections and increases their usefulness to the users of general purpose financial reports (GPFRs).
- 15. ~~Alternatively, A~~an entity may report long-term fiscal sustainability information in respect of those entities that comprise the General Government Sector (GGS). This may be to enhance consistency and comparability with other jurisdictions or because there are other indicators that are used to assess long-term fiscal sustainability based on the GGS. Entities providing information on the GGS are encouraged to also present information in accordance with IPSAS 22, *Disclosure of Financial Information about the General Government Sector*.

## Key Principles of Reporting Long-Term Fiscal Sustainability Information

- 16. Long-term fiscal sustainability information ~~prepared in accordance with this RPG~~ should enable users to ~~assess various aspects form an overall assessment~~ of the long-term fiscal sustainability of the entity, including the nature and extent of risks that the entity faces.
- 17. The form and content of an entity's long-term fiscal sustainability information will vary depending on the nature of the entity and the regulatory environment in which it operates. A single presentation approach is unlikely to satisfy the objectives of financial reporting. To meet the objectives<sup>1</sup> and qualitative characteristics<sup>2</sup> of financial reporting while taking into account the pervasive constraints<sup>3</sup>, long-term fiscal sustainability information will usually include the following components:
  - (a) Projections of ~~future prospective~~ inflows and outflows, ~~which can be~~ displayed in tabular statements or graphical formats, ~~and including~~ a narrative discussion explaining the projections (see paragraphs 21–27 and 57);
  - (b) A narrative discussion of the dimensions of long-term fiscal sustainability including ~~any the~~ indicators used to portray the dimensions (see paragraphs 28–41 and 58); and

<sup>1</sup> The objectives of financial reporting by public sector entities are to provide information about the entity that is useful to users of general purpose financial reports for accountability purposes and for decision-making purposes. See Chapter 2 of the *Conceptual Framework for General Purpose Financial Reporting by Public Sector Entities* (the *Conceptual Framework*) for further details.

<sup>2</sup> The qualitative characteristics of financial reporting are relevance, faithful representation, understandability, timeliness, comparability, and verifiability. See Chapter 3 of the *Conceptual Framework* for further details.

<sup>3</sup> Pervasive constraints on information included in GPFRs are materiality, cost-benefit, and achieving an appropriate balance between the qualitative characteristics. See Chapter 3 of the *Conceptual Framework* for further details.

- (c) A narrative discussion of the principles, assumptions and ~~approaches to~~ methodology underlying the projections (see paragraphs 42–54 and 59).
18. The ~~projections economic and other phenomena~~ reported in long-term fiscal sustainability information generally ~~occur under reflect~~ conditions of uncertainty. The projections are derived from models that rely on assumptions around which there is some uncertainty. In order for long-term fiscal sustainability information to faithfully represent an entity's projected future flows, assumptions used long-term fiscal sustainability information, each input should be based on reflect the best available information.
19. Long-term fiscal sustainability information may be published as a separate report or as part of another report. It may be published at the same time as the entity's GPFSs or at a different time.
20. A controlled entity should ensure that the information reported is consistent with information reported by its controlling entity.

### Presenting Projections of ~~Future Prospective~~ Inflows and Outflows

21. An entity should present projections of ~~future prospective~~ inflows and outflows, including capital expenditure, commencing in the current reporting period for a specified time horizon. The projections should be prepared on the basis of current policy assumptions, and assumptions about future economic and other conditions.
22. An entity should assess the extent to which it can draw on the assumptions, projections and indicators prepared by other entities, such as Ministries of Finance, rather than preparing the information itself, as this can reduce the cost of such reporting. Where an entity has a budget or forecast that meets the definition of a projection, this information can be used for the relevant time period or periods.
23. Projections can be displayed in tabular statements or graphical formats providing details of the programs and activities giving rise to outflows and identifying the sources of inflows. In determining the format of tabular statements entities need to balance considerations of understandability and relevance. Multi-columnar presentation of a large number of time periods between the reporting date and the end of the time horizon provides a more complete information set, but such a presentation increases the risk of information overload and the impairment of understandability. ~~Projections of net debt are likely to be central for many entities.~~
24. An entity should ensure that its presentation of projections is not skewed to present a misleadingly favorable or unfavorable picture. The formats and terms used should also be consistent between reporting periods.

### Time Horizon

25. In selecting an appropriate time horizon an entity needs to balance the qualitative characteristics of verifiability, ~~and faithful representation~~ and relevance. The further the end of the time horizon is from the reporting date, the more future events are captured. However, as the time horizon increases, the assumptions underpinning the projections become less robust and potentially less verifiable. Conversely, excessively short time horizons may increase the risk that the consequences of events outside the time horizon may be ignored, thereby reducing the relevance of projections.
26. There is a strong relationship between dependence on other entities for funding and time horizons. Generally, high levels of dependence may lead to the selection of shorter time horizons, because a



high proportion of the entity's ~~future prospective~~ inflows are dependent upon decisions by other entities over which the entity has no control and limited influence.

27. Apart from dependence on other entities for funding, the length of the time horizon will reflect the characteristics of the entity. It is likely to be influenced by aspects such as the longevity of key programs, the estimated lives of major items of property, plant, and equipment, such as ~~infrastructure road~~ networks, and the time horizons adopted by other comparable entities providing prospective information.

## Addressing the Dimensions of Long-Term Fiscal Sustainability

28. An entity reporting long-term fiscal sustainability information should include a narrative discussion on the dimensions of long-term fiscal sustainability. This RPG discusses three inter-related dimensions of long-term fiscal sustainability, as follows:
- Service;
  - Revenue; and
  - Debt.
29. The dimensions are inter-related and changes in one dimension affect the other dimensions. For example, future services and entitlements to beneficiaries (the service dimension) are funded by revenue and/or debt. A single dimension can be analyzed by holding the other two dimensions constant, for example, by holding the existing level of services and revenues constant an entity can illustrate the effect of such assumptions on the level of debt. The relationship between the dimensions of long-term fiscal sustainability are illustrated in Appendix A.
30. There are two aspects to each dimension: capacity and vulnerability. Capacity is the ability of the entity to ~~change or influence~~ affect the dimension and vulnerability is the ~~extent dependency~~ of the entity's dependence on factors outside its control or influence. ~~For the revenue dimension this means that an entity's capacity relates to its ability to raise revenue from taxes and other sources and an entity's vulnerability relates to its dependency on other entities for revenue.~~
31. An entity can use indicators to present the dimensions of long-term fiscal sustainability. An entity should choose its indicators based on their relevance to the entity. Examples of indicators are provided in the Glossary of Indicators in Appendix BA.

## Service Dimension

32. The service dimension considers the volume and quality of services to recipients and entitlements to beneficiaries over the period of the projections, given current policy assumptions on revenue from taxation and other sources, while remaining within debt constraints. The service dimension presents the ability of the entity over the period of the projections to maintain the volume and quality of services provided to recipients and meet obligations related to entitlement programs for beneficiaries, based on current policy. This dimension focuses attention on the capacity of an entity to maintain or vary the volume and quality of services it provides or the entitlements programs it delivers. It also focuses attention on whether the entity is vulnerable to the willingness of recipients and beneficiaries to accept reductions in services and entitlements or vulnerable because it does not have the ability to determine or vary service levels, for example where another level of government determines the level of services to be provided.

33. ~~By projecting the impact of current policy assumptions based on current policy on for raising~~ revenue from taxation and other sources, and for ~~raising and~~ maintaining debt, long-term fiscal sustainability information can present the amounts available for the provision of goods and services under these policies. Users can contrast this information with the entity's service delivery commitments, and thereby evaluate the sustainability of the provision of services dimension.
34. A factor to consider in making such comparisons is the extent to which expenditure on certain programs is likely to increase more steeply than the overall levels of expenditure of the entity. This may be because the number of beneficiaries is projected to increase for a particular program or because costs associated with certain programs, such as healthcare, are projected to increase more quickly than the general inflation rate. For example, due to demographic and technological changes the cost of healthcare as a proportion of overall government expenditures might be projected to increase over the period of projections.
35. For capital intensive activities the service dimension also involves an assessment of the useful lives and replacement cycles of items of property, plant, and equipment ~~to assess the sustainability of the provision of services.~~

### Revenue Dimension

36. The revenue dimension considers taxation levels and other revenue sources over the period of the projections, given current policy assumptions to provide services to recipients and entitlements for beneficiaries, while remaining within debt constraints. The revenue dimension presents the ability of the entity to vary existing taxation levels or other revenue sources or to introduce new revenue sources, over the period of the projections to finance current policy. This dimension focuses attention on the capacity of an entity to vary existing taxation levels or other revenue sources or introduce new revenue sources. It also focuses attention on whether the entity is vulnerable to the unwillingness of taxpayers to accept increases in taxation levels, and the extent of its dependence upon revenue sources outside its control or influence. This ability includes the extent of the entity's dependency upon revenue sources outside its control or influence.
37. An example of an indicator of the revenue dimension is the proportion of total revenues that are received from entities at other levels of government or from international organizations. For example, a local government entity may be able to maintain or increase ~~raise~~ property taxes, but be partially dependent upon a mixture of general grants and specific grants from national and/or state governments. As policies for the provision of services and for managing debt are projected, the level of revenue required to fund such policies can be presented. This information assists Users in assessing ~~can then assess~~ the entity's ability to ~~raise and~~ maintain or increase its levels of revenue and thereby evaluate the sustainability of its sources of revenue.
38. Generally, an entity which has a limited ability to vary levels of revenue from taxation and other sources is likely to be highly dependent upon funding decisions by entities at other levels of government. If inter-governmental transfers have constitutional or other legal underpinning, this may make the entity less susceptible to sudden adverse funding decisions by other entities and therefore increase the probability of continuing to receive stable revenues. This information assists Users in assessing ~~can then assess~~ the entity's vulnerability to decisions outside its control.

## Debt Dimension

39. The debt dimension considers debt levels over the period of the projections, given current policy assumptions to provide services to recipients and entitlements for beneficiaries, and revenue from taxation and other sources. This dimension focuses attention on the capacity of the entity to meet its financial commitments as they come due or to refinance or increase debt as necessary. It also focuses attention on whether the entity is vulnerable to market and lender confidence and interest rate risk. The debt dimension presents the ability of the entity over the period of the projections to meet its financial commitments as they come due or to raise debt as necessary, based on current policy.
40. The level of net debt is important for an assessment of the debt dimension, as, at any reporting date, it represents the amount expended on the past provision of goods and services that has to be financed in the future. Therefore, this indicator is likely to be relevant for many entities. By projecting current policy assumptions for the provision of goods and services, and for ~~raising~~ revenue from taxation and other sources, projected levels of net debt can be presented. This information assists Users in assessing ~~can then assess~~ the entity's ability to meet its financial commitments as they come due or to raise and maintain, refinance or increase its such levels of debt and thereby evaluate the sustainability of the entity's debt.
41. At national levels a factor to consider in presenting such projections is whether to distinguish between: (a) the primary balance, which is total projected government spending, excluding interest payable on debt, minus tax revenues, and (b) the overall balance, which is the primary balance including outflows related to interest payable on debt. At sub-national levels or for international organizations the focus may be on net debt as a percentage of total revenues. Increases in this indicator show that an increasing proportion of revenues will be required for debt servicing, thereby diverting resources from service delivery, and that the projected level of an entity's debt may be unsustainable.

## Principles and Methodologies

### Updating Projections and Frequency of Reporting

42. While regular updates are desirable, this RPG acknowledges that annual updating may not be realistic for all entities. However, there is generally an inverse relationship between the robustness of assumptions on which projections are made and the amount of time since they were made. During periods of global financial volatility the risk that projections made some time before the reporting date are outdated increases, with a consequent reduction of the ability of such information to meet the objectives of accountability and decision-making. In this situation, an entity should consider updating its projections on a more frequent basis. An entity should also consider updating its projections after significant or major unexpected events such as natural disasters or other emergencies.

### Impact of Legal Requirements and Policy Frameworks

43. In some jurisdictions reporting long-term fiscal sustainability information is governed by a legal or regulatory framework that applies at the national or state level. There may also be legal requirements for local government. These might include balanced budget requirements. These requirements are likely to specify or otherwise affect the principles, assumptions and methodologies approaches an entity should use in calculating its projections.

## Current Policy, Demographic and Economic Assumptions

### *Current ~~and Future~~ Policy Assumptions*

44. Where flows for particular programs and activities are individually modeled, the policy assumptions should be based on the continuation of current legislation or regulation with departures where appropriate. ~~and those assumptions~~ (referred to as “current policy assumptions”) should be held constant through-out the entire projection period ~~(“current policy assumptions”)~~. The starting point for current policy assumptions should be current legislation or regulation. However, there may be instances where a departure from current legislation or regulation may be appropriate, for example:
- (a) Where changes to current legislation or regulation have been enacted before the reporting date, and where those changes which have a specific implementation date within the time horizon of the projections;
  - (b) Where the provisions in current legislation or regulation are internally inconsistent; or
  - (c) Where current legislation or regulation has a termination date, e.g., “sunset provisions”.
45. Current policy assumptions may be affected by legal changes that have been enacted before the reporting date which have a specific implementation date within the time horizon of the projections. In these circumstances, assuming current legislation or regulation remains in force for the entire projection period will not be appropriate.
46. An example of current legislation or regulation that is internally inconsistent is a social security program which has legal provisions that make it unlawful to make payments once an earmarked fund is exhausted, although entitlements of beneficiaries will continue after the exhaustion of that fund. Assuming that the fund will not meet obligations once it is exhausted might reflect a strict legal position, but an entity may need to assess whether the presentation of projections on such a basis underestimates projected outflows and therefore the extent of the fiscal challenge facing the social security program. In this situation an entity may calculate its projections based on current policy assumptions despite legal restrictions.
47. Current legislation or regulation may have a termination date, e.g., sunset provisions whereby it terminates after a specific period. In many cases there may be a strong probability that such programs will be replaced by similar programs. Adopting a strict legal termination principle could underestimate projected outflows, and therefore impair the usefulness of the information.

### *Approach to Revenue Inflows*

48. Significant revenue inflows from taxation and other sources, such as inter-governmental transfers, may be individually modeled based on current policy assumptions. Significant sources of taxation and other revenue inflows that are not modeled individually are projected to grow (or diminish) in relation to a variable such as line with gross domestic product (GDP) or an another index such as the inflation index.
49. Other revenue inflows, such as royalties from natural resources, may also be projected to grow in line with GDP or an inflation index. They may also be individually modeled to address specific circumstances, such as when the natural resource is expected to be depleted.

### Approach to Age-Related and Non-Age-Related Programs

50. Age-related programs are often subject to eligibility criteria ~~including such as~~ age and other demographic factors. In making projections, programs and activities that are age-related may be distinguished from non-age related programs. Age-related programs may be individually modeled while non-age-related programs may be projected to increase in line with other variables, such as GDP, or to be constant in real terms. Such an approach to non-age-related programs provides some flexibility, as it allows above GDP/real terms increases in some programs and activities to be offset by lower increases or spending declines in other areas.

### *Demographic and Economic Assumptions*

51. Demographic assumptions are likely to include fertility, mortality and migration rates, and workforce participation rates. Economic assumptions are likely to include economic growth rates and inflation. Other economic assumptions may include environmental factors, such as the impact of the depletion and degradation of ecosystems and the depletion of water and finite natural resources on economic growth.

### Reasonableness of Assumptions

52. Projections of inflows and outflows should reflect reasonable current policy, economic and demographic assumptions.

### **Inflation and Discount Rates**

53. There are two main approaches to incorporating the effect of price inflation in projections. ~~It~~Inflation may be taken into account in making projections or projections may be made at current prices (i.e., prices prevailing at the reporting date). If the projections include inflation, then the discount rate should also include inflation. If the projections are at current prices, the discount rate should exclude inflation.

### **Sensitivity Analysis**

54. Many assumptions on which projections are based are inherently uncertain. In some cases small changes in variables can have significant impacts on the projections. The use of sensitivity analysis will help users to understand the impact of significant changes in demographic and economic assumptions on the projections.

### **Disclosures**

55. The entity should disclose information that enables users of its long-term fiscal sustainability information to assess the projected long-term fiscal sustainability of the entity. An entity should make any additional disclosures necessary to meet the objectives of financial reporting.
56. An entity should disclose the following information:
- (a) The name of the entity;
  - (b) The financial statements to which the long-term fiscal sustainability information relates;
  - (c) Where different, the names of the entities within the reporting boundary for long-term fiscal sustainability information that are different to those for the financial statements;
  - (d) Where the entity is a controlled entity, the identity of the controlling entity;

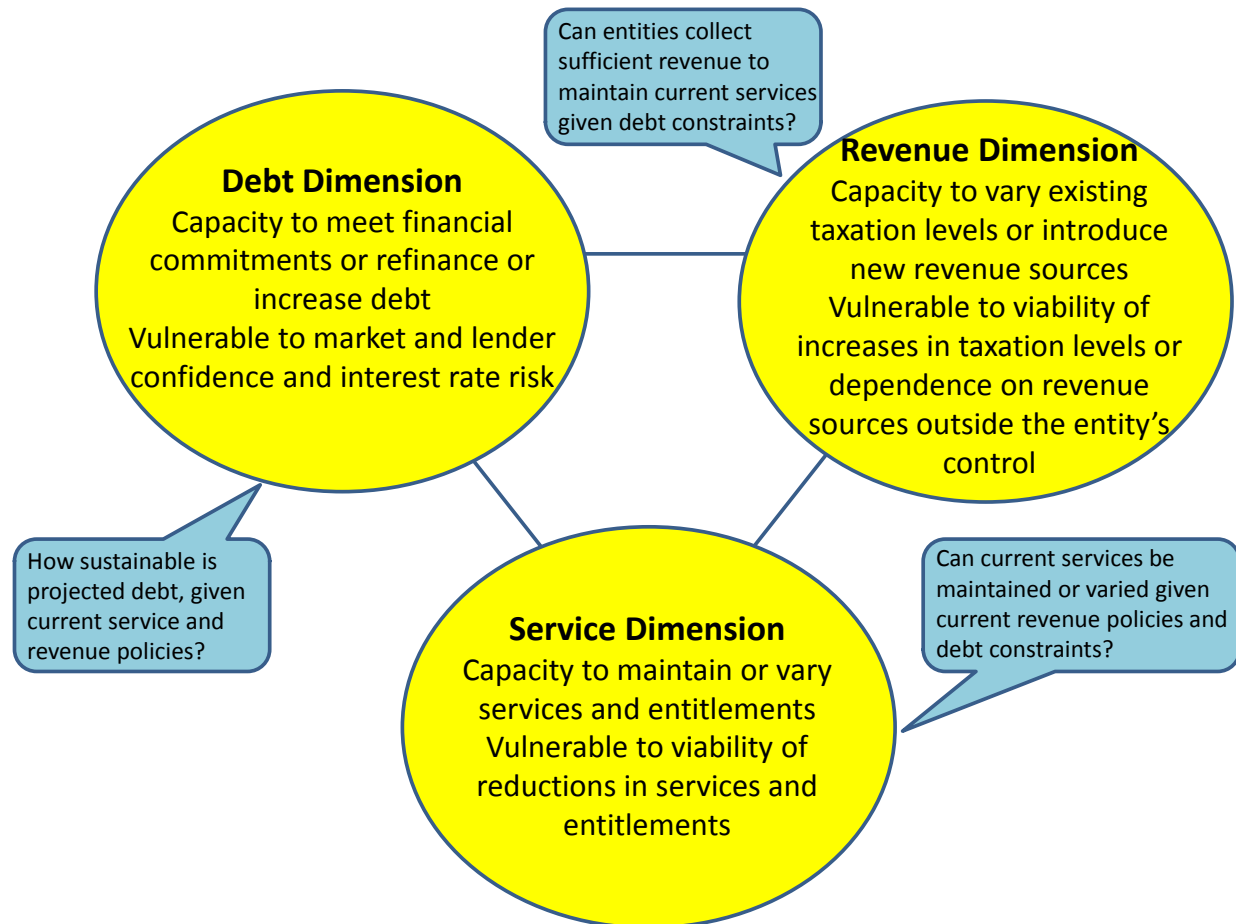
- (e) The date at which a full set of projections was made;
  - (f) The basis and timing of subsequent updating; and
  - (g) When an entity uses projections and indicators prepared by other entities, the names of those entities and the information that has been used.
57. The narrative discussion of the projections should include disclosure of the following information:
- (a) The sources of significant revenue inflows from taxation and other sources;
  - (b) An overview of the current policy assumptions for ~~the significant sources of significant~~ revenue inflows from taxation and other sources, such as taxation threshold levels and allowances;
  - (c) The sources of significant outflows including capital expenditure;
  - (d) Whether the projections are modeled individually or in aggregate;
  - (e) An overview of the current policy assumptions for the significant outflows including capital expenditure;
  - (f) An explanation of the changes in projections between reporting dates and the reasons for those changes;
  - (g) An explanation that it is unlikely that projections over the specified time horizon will match the actual outcome and the extent of the difference will depend upon a range of factors, including the future actions of the entity in meeting any identified fiscal challenge;
  - (h) An ~~explanation of entity should explain~~ any modifications of formats between reporting periods and the reasons for such changes;
  - (i) The time horizon used for the projections and the reasons for selecting that time horizon; and
  - (j) Where an entity changes the time horizon from that used in the previous reporting period, the reason for such a change.
58. The narrative discussion of the dimensions of long-term fiscal sustainability should include disclosure of the following information:
- (a) An analysis of significant changes in the indicators compared with those of the previous reporting period;
  - (b) Changes in the indicators used to report long-term fiscal sustainability information from the previous reporting period, and the reasons for such changes; and
  - (c) Where an entity uses indicators that are based on amounts derived from non-IPSAS based ~~information sources~~, the indicators affected and, where possible, the estimated impact on the indicators. ;
  - (d) ~~The main entities on which the entity is dependent on for its revenue; and~~
  - (e) ~~Details of constitutional or other legal underpinning for taxation and other revenue or grant arrangements.~~
59. An entity should disclose the principles, assumptions and ~~approaches to~~ methodology that underpin the projections including the following information:
- (a) Key aspects of governing legislation and regulation;

- (b) Underlying macro-economic policy and fiscal frameworks including details of where other publicly available reports on these policies and frameworks can be accessed, including documents outside the GPFRs;
- (c) The key current policy assumptions and the key demographic and economic assumptions that underpin the projections;
- (d) Its policy for reviewing and updating current policy assumptions and, demographic and economic assumptions;
- (e) An explanation of ~~any~~<sup>the</sup> significant current policy assumptions that depart from current legislation or regulation;
- (f) An explanation of significant changes in the principles, assumptions and ~~approaches to~~ methodologies from the previous reporting period, the nature and extent of these changes, and the reasons for such changes;
- (g) The results of any sensitivity analyses that could have a significant impact on the projections;
- (h) The discount rates applied and the basis on which the discount rate has been determined; and
- (i) The approach to inflation and the reason for this approach.

## Appendix A

### Relationship between the Dimensions of Long-Term Fiscal Sustainability

This Appendix illustrates the two aspects (capacity and vulnerability) of each of the three dimensions and the relationship between the three dimensions.





## Glossary of Indicators

This Appendix lists examples of indicators. It is not intended to be an exhaustive list.

### Government Finance Statistics Reporting Guidelines

Where an indicator includes a defined term, that term is shown in *italics* and its definition is shown after the indicators.

- **Gross debt, total:** Total gross debt—often referred to as “total debt” or “total debt liabilities”—consists of all *liabilities* that are *debt instruments*. A debt instrument is defined as a financial claim that requires payment(s) of interest and/or principal by the debtor to the creditor at a date, or dates, in the future.<sup>4</sup>
- **Net debt:** Net debt is calculated as gross debt minus *financial assets* corresponding to *debt instruments*.<sup>4</sup>
- **Net financial worth:** Net financial worth of an *institutional unit* (or grouping of units) is the total value of its *financial assets* minus the total value of its outstanding *liabilities*.<sup>4</sup>
- **Net worth:** Net worth of an *institutional unit* (or grouping of units) is the total value of its *assets* minus the total value of its outstanding *liabilities*.<sup>4</sup>
- **Overall balance:** This term corresponds to the GFS 1986 terminology of “Overall Deficit/Surplus,” which is defined as revenue plus grants received less expenditure less “lending minus repayments.” The balance so defined is equal (with an opposite sign) to the sum of net borrowing by the government, plus the net decrease in government cash, deposits, and securities held for liquidity purposes. The basis of this balance concept is that government policies are held to be deficit- or surplus-creating, and thus the revenue or expenditures associated with these policies are “above the line.” Borrowing or a rundown of liquid assets, however, is deficit financing or “below the line.” It should be noted that the term **lending minus repayments** included above the line covers government transactions in debt and equity claims on others undertaken for purposes of public policy rather than for management of government liquidity or earning a return.<sup>5</sup>
- **Primary balance:** The overall balance, excluding interest payments. Since interest payments represent the cost of past debt, and the determinants of future debt that are under policy control of government are other spending and revenue measures exclusive of interest payment, the primary balance is of particular importance as an indicator of the fiscal position in countries with high levels of debt.<sup>5</sup>

### Underlying Definitions

- **Debt instrument:** A debt instrument is defined as a financial claim that requires payment(s) of interest and/or principal by the debtor to the creditor at a date, or dates, in the future.<sup>4</sup>

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<sup>4</sup> Source: International Monetary Fund: *Public Sector Debt Statistics—Guide for Compilers and Users* 2011

<sup>5</sup> Source: International Monetary Fund: *Manual on Fiscal Transparency* (2007)

- **Economic assets:** Economic assets are entities (i) over which economic ownership rights are enforced by institutional units, individually or collectively, and (ii) from which economic benefits may be derived by their owners by holding them or using them over a period of time.<sup>4</sup>
- **Financial assets:** Financial assets consist of financial claims plus gold bullion held by monetary authorities as a reserve asset. A financial claim is an asset that typically entitles the owner of the asset (the creditor) to receive funds or other resources from another unit, under the terms of a liability.<sup>6</sup>
- **Institutional unit:** An institutional unit is an economic entity that is capable, in its own right, of owning assets, incurring liabilities, and engaging in economic activities and in transactions with other entities.<sup>6</sup>
- **Liability:** A liability is established when one unit (the debtor) is obliged, under specific circumstances, to provide funds or other resources to another unit (the creditor).<sup>6</sup>

#### Other Sources

- **Fiscal gap:** The **fiscal gap** is the change in non-interest spending and/or receipts that would be necessary to maintain public debt at or below a target percentage of gross domestic product (GDP).<sup>7</sup> More specifically, the fiscal gap is the net present value of projected spending<sup>8</sup> minus projected receipts, adjusted by the decrease (or increase) in public debt required to maintain public debt at or below the target percentage of GDP for the stated projection period. (Source: US Federal Accounting Standards Advisory Board: Statement of Federal Financial Accounting Standards 36: *Comprehensive Long-Term Projections for the U.S. Government* 2009)
- **Inter-temporal budget constraint:** The inter-temporal budget constraint is satisfied if the projected outflows of the government (current public debt and the discounted value of all future expenditure, including the projected increase in age-related expenditure) are covered by the discounted value of all future government revenue. (Source European Commission: *Sustainability Report*. 2009))
- **Net Debt/Total Revenues:** Net debt as a proportion of total revenues. (Source Canadian Public Sector Accounting Board (PSAB): Statement of Recommended Practice 4 (SORP 4), *Indicators of Financial Condition*: 2009)

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<sup>6</sup> Source: International Monetary Fund: *Public Sector Debt Statistics—Guide for Compilers and Users* 2011

<sup>7</sup> GDP is the total market value of all final goods and services produced domestically during a given period of time. The components of GDP are: private sector consumption and investment, government consumption and investment, and net exports (exports-imports).

<sup>8</sup> Since interest is factored into the present value calculation, the fiscal gap as a share of spending is expressed as a share of spending excluding interest ("non-interest spending").

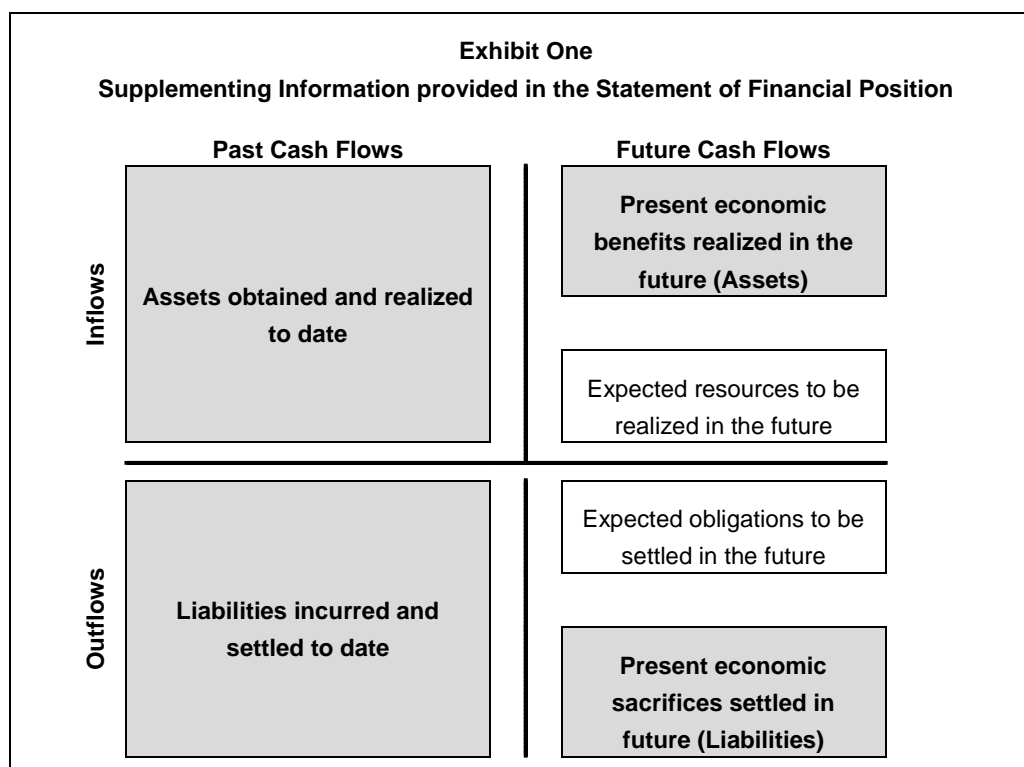
## Existing Definitions in IPSASs

Term	Definition	Paragraph reference in this RPG
<b>Assets</b>	Resources controlled by an entity as a result of past events and from which future economic benefits or service potential are expected to flow to the entity.	2
<b>Cash</b>	Comprises cash on hand and demand deposits.	11
<b>Cash equivalents</b>	Short-term, highly liquid investments that are readily convertible to known amounts of cash and which are subject to an insignificant risk of changes in value.	11
<b>Controlled entity</b>	An entity, including an unincorporated entity such as a partnership, which is under the control of another entity (known as the controlling entity).	20
<b>Controlling entity</b>	An entity that has one or more controlled entities.	20
<b>Government Business Enterprise</b>	An entity that has all the following characteristics: (a) Is an entity with the power to contract in its own name; (b) Has been assigned the financial and operational authority to carry on a business; (c) Sells goods and services, in the normal course of its business, to other entities at a profit or full cost recovery; (d) Is not reliant on continuing government funding to be a going concern (other than purchases of outputs at arm's length); and (e) Is controlled by a public sector entity.	7
<b>General government sector</b>	Comprises all organizational entities of the general government as defined in statistical bases of financial reporting.	15
<b>Liabilities</b>	Present obligations of the entity arising from past events, the settlement of which is expected to result in an outflow from the entity of resources embodying economic benefits or service potential.	2
<b>Reporting date</b>	The date of the last day of the reporting period to which the financial statements relate.	1
<b>Revenue</b>	The gross inflow of economic benefits or service potential during the reporting period when those inflows result in an increase in net assets/equity, other than increases relating to contributions from owners.	13

## Basis for Conclusions

### Background

- BC1. The IPSASB initially launched a project on accounting for social policy obligations (subsequently re-termed social benefits) in 2002. This led to the publication of an Invitation to Comment (ITC), *Accounting for Social Policies of Governments*, in January 2004. Following an analysis of responses to that ITC, the IPSASB began to develop proposals for accounting for obligations related to different sub-categories of social benefits. In late 2006, due to failure to agree on recognition points and measurement requirements for liabilities, the IPSASB decided not to develop further proposals on recognition and measurement at that time.
- BC2. As an interim step the IPSASB developed proposals for the disclosure of amounts to be transferred to those eligible at the reporting date for cash transfers (benefits settled in cash). It expressly did not propose the disclosure of obligations and liabilities. ED 34, *Social Benefits: Disclosure of Cash Transfers to Individuals or Households* was issued in March 2008.
- BC3. The deliberations on identifying the point at which liabilities for social benefits arise had led the IPSASB to the view that the financial statements cannot provide all the information that users need on social benefits. This is illustrated in Exhibit One below where the shaded boxes indicate information provided in the financial statements. The IPSASB considered that before launching any further project it should consult constituents. Therefore the IPSASB raised this issue in a further Consultation Paper, *Social Benefits: Issues in Recognition and Measurement* and issued a Project Brief, *Long-Term Fiscal Sustainability Reporting*. Both these documents were issued at the same time as ED 34.



- BC4. In October 2008 the IPSASB reviewed responses to all of the above documents. In the light of these responses, it was decided not to develop ED 34 into an IPSAS. The IPSASB also noted that a large majority of respondents agreed that the financial statements cannot convey sufficient information to users about the long-term financial implications of governmental programs providing social benefits.<sup>9</sup> In light of this view the IPSASB decided to initiate a project on long-term fiscal sustainability (subsequently re-termed "Reporting on the Long-Term Sustainability of Public Finances"). This led to the issue of a Consultation Paper, *Reporting on the Long-Term Sustainability of Public Finances*, in November 2009. Drawing on existing practice the Consultation Paper put forward the case for reporting long-term fiscal sustainability information, made suggestions on how such information might be presented and sought the views of constituents. The majority of respondents to the Consultation Paper favored the continuation of the project, although many said that they preferred the IPSASB to develop guidelines rather than requirements.
- ~~Further work on proposals for the recognition and measurement of liabilities arising from obligations to deliver social benefits is progressing indirectly in Phase 2 of the *Conceptual Framework for General Purpose Financial Reporting by Public Sector Entities* project. This phase deals with elements, and includes the development of the definition of a liability and other relevant issues such as whether the power to tax is an asset. This work is likely to influence the approach to recognizing and measuring liabilities related to social benefits.~~
- BC5. In light of the responses to the Consultation Paper, the IPSASB developed Exposure Draft (ED) 46 Recommended Practice Guideline (RPG), *Reporting on the Long-Term Sustainability of a Public Sector Entity's Finances* which was issued in October 2011. This ED proposed non-authoritative guidance for public sector entities reporting long-term fiscal sustainability information.
- BC6. The IPSASB has further developed its thinking on reporting long-term fiscal sustainability information in the course of its project on *The Conceptual Framework for General Purpose Financial Reporting by Public Sector Entities* and, in particular, in Chapter 2 of that Framework. Chapter 2: *Objectives and Users of General Purpose Financial Reporting* reflects the view that, although the financial statements are at the core of financial reporting, a more comprehensive scope is necessary to meet the needs of users. That scope includes prospective financial information. The IPSASB has also noted that projected outflows relating to obligations as a result of past decisions and projected inflows related to sovereign powers and taxation powers may not be recognized or may only be partially recognized in the statement of financial position and the statement of financial performance. Therefore, in order to meet the financial reporting objectives of accountability and decision-making, an entity should provide users with need information on future prospective inflows and outflows that in order to supplements information on the entity's financial position in the financial statements.
- BC7. The IPSASB acknowledges that the rationale for reporting long-term fiscal sustainability information in paragraph BC6 might indicate that for some entities such reporting should be

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Further work on proposals for the recognition and measurement of liabilities arising from obligations to deliver social benefits is progressing indirectly in Phase 2 of the *Conceptual Framework for General Purpose Financial Reporting by Public Sector Entities* project. This phase deals with elements, and includes the development of the definition of a liability and other relevant issues such as whether the power to tax is an asset. This work is likely to influence the approach to recognizing and measuring liabilities related to social benefits.

required. However, the IPSASB concluded that it would be premature to issue an authoritative pronouncement, because reporting long-term fiscal sustainability information in general purpose financial reports (GPFRs) is an area where practice is developing and the IPSASB wishes to encourage innovative and flexible approaches. ~~Consistent with the views of the majority of respondents to the Consultation Paper, the majority of respondents to ED 46 supported the voluntary application of this guidance.~~ This approach is consistent with the views of the majority of respondents to ED 46. The IPSASB notes that paragraph 4 of the RPG notes that it is good practice to follow this RPG.

## Scope

- BC8. The IPSASB considered whether the scope of the RPG should be limited to the consolidated national and whole-of-government levels. The IPSASB acknowledged that reporting long-term fiscal sustainability information is particularly relevant at these levels, but concluded that there might be significant user demand for such information at sub-national levels. The IPSASB therefore concluded that a narrow scope limited to the national and whole-of-government levels is not justified.

## Definitions

### *Long-Term Fiscal Sustainability*

- BC9. The Consultation Paper noted that there is no universally accepted definition of long-term fiscal sustainability and included a working definition that long-term fiscal sustainability is “the ability of government to meet its service delivery and financial commitments both now and in the future.” The IPSASB acknowledged the view that this definition is insufficiently rigorous and that a definition should be adopted that provides users with a clearer indication whether an entity's current economic position is sustainable. Such an approach might involve (a) linking current service delivery ~~levels and the settling of obligations relating to entitlement programs~~ to the maintenance of current taxation levels and (b) focusing on projected debt paths. An entity that can only maintain current service delivery ~~obligations~~ levels and ~~meet entitlement obligations and~~ financial obligations by increasing taxation or current debt levels is identified as being in an unsustainable position. Macro-economists tend to adopt this more rigorous approach and focus on “explosive” debt paths, which is a term that connotes that existing service levels and existing benefits from entitlement programs cannot be sustained without major increases in levels of indebtedness.
- BC10. The IPSASB decided to retain the definition of long-term fiscal sustainability used in the Consultation Paper for ED 46 except for widening the scope to reflect that it can apply to all public sector entities (except Government Business Enterprises) rather than limiting it to governments. In coming to this conclusion the IPSASB noted the need for governments and public sector entities to both (a) provide services and meet obligations relating to entitlement programs and (b) meet financial obligations, principally debt servicing. The IPSASB also noted ~~that many governments have the sovereign powers of government to legislate for~~ new taxation sources and to vary the levels of existing taxation, while acknowledging that in a global environment the ability to increase taxation might be practically constrained by a number of considerations. The IPSASB took the view that, provided an entity gives appropriate attention to the dimensions of ~~long-term fiscal sustainability~~ debt capacity and ~~service capacity~~, as ~~highlighted~~ explained in paragraphs 28–41, users will be given adequate

information ~~about whether that~~ an entity ~~can cannot~~ maintain existing service levels, meet obligations to the current and future beneficiaries of entitlement programs and meet financial obligations without increasing revenue from taxation and other sources or increasing borrowing.

#### A Projection

BC11. Several respondents to ED 46 suggested that the relationship between projections, budgets and forecasts should be clarified. Given that there are no universally accepted definitions of these terms, the IPSASB decided to develop a definition of projection to clarify the characteristics of information that should be used in calculating the projections and to ensure that only calculations that meet this definition are within the scope of the RPG. The IPSASB agreed that if the entity has a budget or forecast that meets the definition of a projection, then this information can be used for the relevant time period or periods as this allows entities to use existing information sources. The IPSASB considers that the key characteristics of a projection is that it:

~~(a) Is prospective financial information;~~

~~(b) Should be based on current policy assumptions (as that term is explained in paragraphs 42–48 of the RPG); and~~

~~Should be based on assumptions about economic and other conditions such as demographic conditions.~~

#### **Determining Whether to Report Long-Term Fiscal Sustainability Information**

BC12. As discussed in paragraph BC8 the IPSASB concluded that the scope of the RPG should not be limited to particular levels of government. However, the IPSASB acknowledged that reporting long-term fiscal sustainability information might not be appropriate for all entities. The IPSASB considered this issue at length.

BC13. The Consultation Paper questioned whether reporting long-term fiscal sustainability information is appropriate for individual controlled entities. This reservation was based on a tentative view that (a) the cost of producing the information for such entities is likely to be greater than the benefits to users, (b) the production of separate reports and disclosures by individual entities within an economic entity might be confusing to users and (c) it could be misleading if entities with limited tax-raising powers and a dependence on dependency for resources ~~from on~~ entities at other tiers of government provide projections that are contingent on taxation decisions over which they have little or no control. Some respondents to the Consultation Paper challenged this view and suggested that there are cases where users for long-term fiscal sustainability information of controlled entities can be identified. The example of a local government entity controlled by a state or provincial government was cited. These respondents proposed that the test for whether an entity reports long-term fiscal sustainability information should be to assess whether which potential users exist for this type of information. The IPSASB was persuaded by these arguments and the RPG reflects these views in paragraphs 12–~~14~~ and 13.

BC14. The IPSASB acknowledged that direct evidence of the existence of users of long-term fiscal sustainability information might not be readily available. The IPSASB sought to identify characteristics which considered what proxies might indicate the existence of users across

the three dimensions of long-term fiscal sustainability. The IPSASB had reservations about whether there would be significant numbers of users to justify the costs of reporting if entities did not have concluded that there are likely to be users for long-term fiscal sustainability information for entities with one of more of the following characteristics:

- (a) Significant tax and/or other revenue raising powers;
- (b) Powers to incur significant debt; or
- (c) The power and ability to determine the nature, level and method of service delivery including the introduction of new services.

BC15. Therefore, the IPSASB agreed to include the characteristics listed above in paragraph 13 of the RPG.

BC16. The IPSASB believes that reporting long-term fiscal sustainability information is likely to be relevant at the whole of government level, consolidated national level, and for major sub-national entities such as regions, provinces, states and large local government entities (for examples, cities), which have tax raising powers enabling them to generate a significant proportion of their total revenues. The IPSASB remains of the view that reporting long-term sustainability information is unlikely to be appropriate for individual government departments and entities. This is because often they do not have tax raising powers, their expenditure is controlled through appropriations, and they do not have powers to incur debt.

#### **Presenting Projections of Future Prospective Inflows and Outflows**

BC17. The Consultation Paper considered three models for reporting long-term fiscal sustainability information and suggested that (a) the provision of additional statements providing details of projections and (b) summarized projections in narrative reporting were appropriate. Some respondents suggested that, although the Consultation Paper acknowledged that these reporting approaches were not mutually exclusive, the IPSASB should highlight that reporting long-term fiscal sustainability information just by displaying projections in statements is insufficient to meet user needs and that other presentation methods need to be deployed. The IPSASB was persuaded by this view and agreed to reflect this in the RPG (refer to it is reflected in paragraph 1748 of the RPG).

BC18. The IPSASB considered whether it should recommend time horizons for projections for entities at particular levels of government. It acknowledged the view that standard time horizons for particular types of public sector entity might enhance comparability. The IPSASB decided that such benchmarks would be over-prescriptive and impractical. The scope of the RPG is such that standard time horizons would have to be determined for a wide range of entities, including individual reporting single-purpose entities.<sup>10</sup> In addition the fiscal autonomy of entities at the same level of government can differ markedly between jurisdictions. The IPSASB concluded, however, that it is good practice for entities to explain the reason for the time horizons that they select. The IPSASB considers that the extent of an entity's dependence dependency on other entities for funding will have an impact on time horizons; the higher the level of dependencedependency, the higher the likelihood of shorter time horizons.

<sup>10</sup> For example, such entities might include school boards or bodies responsible for water and drainage.



- BC19. The Consultation Paper included illustrative examples of tabular statements showing 75 year projections for key programs and activities. The IPSASB noted the view of some respondents that a focus on the position at the end of the time horizon may obscure events between the reporting date and the end of the time horizon. The IPSASB accepted this view and included guidance on the need to balance the qualitative characteristics of [verifiability, faithful representation, understandability](#) and relevance in displaying projections [in the RPG \(refer to in paragraph 25 of the RPG\)](#).

### Addressing the Dimensions of Long-Term Fiscal Sustainability

- BC20. The IPSASB considered that providing a flexible framework for the disclosure of information might help entities to organize the way in which they communicate information and ensure that information is a faithful representation of an entity's long-term fiscal sustainability information.
- BC21. ED 46 included three dimensions of long-term fiscal sustainability, [as follows](#):-
- Fiscal capacity;
  - Service capacity; and
  - Vulnerability.
- BC22. The [description of](#) vulnerability ~~definition~~ was derived from the definition of vulnerability in Statement of Recommended Practice 4 (SORP-4), *Indicators of Financial Condition* issued by the Canadian Public Sector Accounting Board ([PSAB](#)). The definition in SORP-4 is "the degree to which a government is dependent on sources of funding outside its control or influence or is exposed to risks that could impair its ability to meet its existing financial obligations both in respect of its service commitments to the public and financial commitments to creditors, employees and others." The IPSASB considered that a variant of this notion is particularly important for entities at sub-national levels which have limited taxation powers and are therefore exposed to decisions, over which they have no or very limited control, taken by other entities at other levels of government.
- BC23. The [descriptions of the](#) other two dimensions in ED 46 were derived from the US Governmental Accounting Standards Board's (GASB)<sup>11</sup> definitions of "fiscal capacity" and "service capacity." The GASB defines [fiscal capacity](#) as "the government's ability and willingness to meet its financial obligations as they come due on an ongoing basis" and service capacity as "the government's ability and willingness to meet its commitments to provide services on an ongoing basis."
- BC24. When developing [the RPG based on](#) ED 46 ~~into the RPG~~, the IPSASB [considered whether the notion of vulnerability in the ED was too narrow and whether vulnerability is a more pervasive factor in the analysis of the long-term fiscal sustainability of an entity's finances. The IPSASB concluded that vulnerability is an aspect of all three dimensions. Therefore, the IPSASB decided to \(a\) explain how the notion of vulnerability affects each dimension of long-term fiscal sustainability and \(b\) change the name of the vulnerability dimension to the revenue dimension because its description relates to changes in revenues.](#)

<sup>11</sup> Preliminary Views of the Governmental Accounting Standards Board on Major Issues related to Economic Condition Reporting: *Financial Projections*. (Governmental Accounting Standards Board: Norwalk, CT, USA, November 2011)

BC25. [The IPSASB also noted that](#) the dictionary definition of “fiscal” includes revenue<sup>12</sup> while the description of fiscal capacity relates to the ability of the entity to meet financial commitments, in other words, its ability to maintain and service its debt. Therefore the IPSASB decided that the name of this dimension should be changed to the debt dimension to more closely reflect the description. [The renaming of these two dimensions leads to a consequential amendment to the service capacity dimension so that the wording of the three dimensions is consistent.](#)

BC26. [The IPSASB noted that the dimensions are inter-related and that many of the indicators in Appendix B are likely to be relevant for all the dimensions.](#)

~~The IPSASB also noted that the description of the vulnerability dimension related to changes in revenues, i.e., this dimension highlighted an entity's dependence on, and therefore vulnerability to, sources of revenue outside its control or influence. Therefore the IPSASB decided that the name of this dimension should be changed to revenue to more closely reflect the description.~~

~~The two aspects of the three dimensions and the relationship between them is illustrated in Diagram 1 below.~~

~~Diagram 1: Relationship between the Dimensions of Long-Term Fiscal Sustainability~~

[\[Moved to Appendix A\]](#)

BC27. The IPSASB noted that the approach taken by [the PSAB and the GASB these standard setters](#) had similarities to the “dimensions” [of sustainability](#) developed by Allen Schick<sup>13</sup> and discussed in the Consultation Paper.

BC28. One of the dimensions that Schick discussed was “economic growth.” The IPSASB considered that explicitly introducing a dimension of economic growth was inappropriate because the determinants of economic growth are complex and not under the control of the reporting entity. However, assumptions about economic growth will be critical to the development of projections and are likely to feature heavily in sensitivity analyses.

## Principles and Methodologies

BC29. The Consultation Paper discussed the principles that should be adopted for the inclusion of programs and activities in reporting long-term fiscal sustainability information and [methodologies methodological approaches](#) central to the outcome of projections. The areas addressed included whether projections should be based on current or future policy, the approach to revenue inflows, the approach to age-related and non-age-related programs and the approach to sensitivity analysis. The IPSASB considered whether, in order to meet the qualitative characteristic of comparability, the IPSASB should make firm recommendations on good practice.

BC30. The IPSASB did not consider it appropriate to make firm recommendations on good practice because (a) the scope of the RPG includes all public sector entities and practice that is appropriate at one level of government may not be suitable elsewhere in the public sector, (b)

<sup>12</sup> The definition of fiscal is “of or relating to taxation, public revenues, or public debt” (Webster's Ninth New Collegiate Dictionary, 1984).

<sup>13</sup> Allen Schick, *Sustainable Budget Policy: Concepts and Approaches* (OECD: Paris, 2005)

while reporting long-term fiscal sustainability information has become a feature of financial management in an increasing number of jurisdictions it is at an early stage of development and (c) it is not the intention of the IPSASB to usurp the role of other professional groups with expertise in this area. In some cases the IPSASB has considered it appropriate to express a view on a preferred high level approach. For example, the IPSASB has taken the view that such as those projections are likely to be most useful when they are based on current policy assumptions and ~~when they~~ encompass both inflows as well as outflows. The IPSASB also noted that, at the national level, the Organisation for Economic Cooperation and Development has recommended that projections should be updated on an annual basis.

#### *Current ~~and Future~~ Policy Assumptions*

BC31. Paragraphs 40–42 of ED 46 explained ed that an entity can depart from using current policy to calculate its projections (a) where there is a conflict between current policy and legal obligations and (b) where a policy has “sunset provisions.” ~~A respondent to ED 46 raised a concern that the concept of current policy should be broader than that proposed in the ED to deal with issues such as fiscal drag.~~

~~Fiscal drag refers to the phenomenon that income tax inflows grow faster than the income it is levied on because, as an individual's income grows, an increasing proportion of it is taxed at a higher rate. Fiscal drag occurs if the rates and thresholds for the taxation of individuals are not adjusted over time. Not addressing fiscal drag has the potential for an entity to overstate revenue inflows from taxation which would not reflect an entity's long-term fiscal sustainability position in a representationally faithful manner.~~

BC32. The IPSASB introduced the term “current policy assumptions” to clarify that current policy means current legislation or regulation with departures where appropriate. Current policy assumptions are applied to the entire projection period for inflows or outflows that are individually projected. The RPG gives examples of where a departure may be appropriate in paragraph 44. The IPSASB also noted that paragraph 59(e) of the RPG recommends that any departures from current legislation or regulation be disclosed together with the reasons for such departures.

BC33. A respondent to ED 46 raised a concern that the concept of current policy should be broader than that proposed in the ED to deal with issues such as fiscal drag. Fiscal drag refers to the phenomenon that income tax inflows grow faster than the income it is levied on because, as an individual's income grows, an increasing proportion of it is taxed at a higher rate. Fiscal drag occurs if the rates and thresholds for the taxation of individuals are not adjusted over time, and is often addressed by governments through periodic increasing of tax thresholds.

BC34. The IPSASB concluded that the issue of fiscal drag is addressed in paragraph 48 of the RPG because it permits current policy assumptions to be applied to the demographic and economic assumptions, including assumptions over inflation. When a flow such as tax is modeled it may be based on a percentage of a variable such as GDP or reflect the application of current policy assumptions to the changing circumstances reflected in the demographic and economic assumptions. The IPSASB noted that the issue of fiscal drag does not need to be explicitly addressed in the core text of the draft RPG because an entity can depart from current legislation or regulation where appropriate. This approach means that where an entity considers that current policy will be changed in a specific direction, such as the increase in the thresholds for the application of progressive taxation, it can adjust its

projections accordingly. The IPSASB also notes that paragraph 56(e) recommends that any departures from current legislation or regulation are disclosed together with the reasons for such departures.

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## **Draft RPG 1, *Reporting on the Long-Term Sustainability of an Entity's Finances***

### **Clean Version**

#### **Objective**

1. This Recommended Practice Guideline (RPG) provides guidance to reporting long-term fiscal sustainability information ("reporting long-term fiscal sustainability information"). Reporting on the long-term sustainability of an entity's finances provides information on the impact of current policies and decisions made at the reporting date on future inflows and outflows and supplements information in the general purpose financial statements ("financial statements"). The aim of such reporting is to provide an indication of the projected long-term sustainability of an entity's finances over a specified time horizon in accordance with transparent assumptions.
2. Long-term fiscal sustainability information is broader than information derived from the financial statements. It includes projected inflows and outflows related to the provision of goods and services and programs providing social benefits under current policy over a specified time horizon. It therefore takes into account decisions made by the entity on or before the reporting date that give rise to future outflows that do not meet the definition and/or recognition criteria for liabilities at the reporting date. Similarly it takes into account future taxation inflows, contributions and inter-governmental transfers that do not meet the definition of, and/or recognition criteria for, assets at the reporting date.
3. Assessments of long-term fiscal sustainability use a broad range of data. These data include financial and non-financial information about future economic and demographic conditions, assumptions about country and global trends such as productivity, the relative competitiveness of the national, state or local economy and expected changes in demographic variables such as age, longevity, gender, income, educational attainment and morbidity.

#### **Status and Scope**

4. The reporting of information in accordance with this RPG represents good practice. An entity reporting long-term fiscal sustainability information is encouraged to follow this RPG. Compliance with this RPG is not required in order for an entity to assert that its financial statements comply with International Public Sector Accounting Standards (IPSASs).
5. The scope of this RPG includes an entity's projected flows. It is not limited to those flows related to programs providing social benefits. Nevertheless, this RPG acknowledges that the flows relating to programs providing social benefits, including entitlement programs that require contributions from participants, can be a highly significant component of reporting long-term fiscal sustainability information for many entities.
6. This RPG does not directly address issues associated with the reporting of environmental sustainability. However, an entity should assess any financial impacts of environmental factors and take them into account when developing its projections.
7. This RPG applies to all public sector entities, except Government Business Enterprises (GBEs).

8. Although this RPG does not apply directly to GBEs, the future inflows and outflows to/from the entity from/to a GBE over the specified time horizon of the projections are within the scope of this RPG.
9. An entity whose long-term fiscal sustainability information complies with this RPG should make an explicit and unreserved statement of such compliance. Long-term fiscal sustainability information should not be described as complying with this RPG unless it complies with all the requirements of this RPG.
10. This RPG does not provide guidance on the level of assurance (if any) to which long-term fiscal sustainability information should be subjected.

## Definitions

11. The following terms are used in this RPG with the meaning specified:

Inflows are cash and cash equivalents projected to be received or accrued by the entity over the time horizon of the projections.

Long-term fiscal sustainability is the ability of an entity to meet service delivery and financial commitments both now and in the future.

Outflows are cash and cash equivalents projected to be paid or incurred by the entity over the time horizon of the projections.

A projection is prospective financial information prepared on the basis of the entity's current policy assumptions, and assumptions about future economic and other conditions.

Terms used in this RPG with the meanings specified in International Public Sector Accounting Standards (IPSASs) are set out in Appendix C.

## Determining Whether to Report Long-Term Fiscal Sustainability Information

12. In determining whether to report long-term fiscal sustainability information, an entity needs to assess whether potential users exist for prospective financial information.
13. The relevance of reporting long-term fiscal sustainability information should be considered in the context of that entity's funding and capacity to determine service delivery levels. There are likely to be users for long-term fiscal sustainability information for entities with one or more of the following characteristics:
  - (a) Significant tax and/or other revenue raising powers;
  - (b) Powers to incur significant debt; or
  - (c) The power and ability to determine the nature, level and method of service delivery including the introduction of new services.

## Reporting Boundary

14. Use of the same reporting boundary as for the financial statements enhances the understandability of projections and increases their usefulness to the users of general purpose financial reports (GPFs).



15. Alternatively, an entity may report long-term fiscal sustainability information in respect of those entities that comprise the General Government Sector (GGS). This may be to enhance consistency and comparability with other jurisdictions or because there are other indicators that are used to assess long-term fiscal sustainability based on the GGS. Entities providing information on the GGS are encouraged to also present information in accordance with IPSAS 22, *Disclosure of Financial Information about the General Government Sector*.

## Key Principles of Reporting Long-Term Fiscal Sustainability Information

16. Long-term fiscal sustainability information prepared in accordance with this RPG should enable users to assess various aspects of the long-term fiscal sustainability of the entity, including the nature and extent of risks that the entity faces.
17. The form and content of an entity's long-term fiscal sustainability information will vary depending on the nature of the entity and the regulatory environment in which it operates. A single presentation approach is unlikely to satisfy the objectives of financial reporting. To meet the objectives<sup>1</sup> and qualitative characteristics<sup>2</sup> of financial reporting while taking into account the pervasive constraints<sup>3</sup>, long-term fiscal sustainability information will usually include the following components:
- (a) Projections of future inflows and outflows, which can be displayed in tabular statements or graphical formats, and a narrative discussion explaining the projections (see paragraphs 21–27 and 57);
  - (b) A narrative discussion of the dimensions of long-term fiscal sustainability including any indicators used to portray the dimensions (see paragraphs 28–41 and 58); and
  - (c) A narrative discussion of the principles, assumptions and methodology underlying the projections (see paragraphs 42–54 and 59).
18. The projections reported in long-term fiscal sustainability information generally reflect conditions of uncertainty. The projections are derived from models that rely on assumptions around which there is some uncertainty. In order for long-term fiscal sustainability information to faithfully represent an entity's projected future flows, assumptions used should be based on the best available information.
19. Long-term fiscal sustainability information may be published as a separate report or as part of another report. It may be published at the same time as the entity's GPFs or at a different time.
20. A controlled entity should ensure that the information reported is consistent with information reported by its controlling entity.

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<sup>1</sup> The objectives of financial reporting by public sector entities are to provide information about the entity that is useful to users of general purpose financial reports for accountability purposes and for decision-making purposes. See Chapter 2 of the *Conceptual Framework for General Purpose Financial Reporting by Public Sector Entities* (the *Conceptual Framework*) for further details.

<sup>2</sup> The qualitative characteristics of financial reporting are relevance, faithful representation, understandability, timeliness, comparability, and verifiability. See Chapter 3 of the *Conceptual Framework* for further details.

<sup>3</sup> Pervasive constraints on information included in GPFs are materiality, cost-benefit, and achieving an appropriate balance between the qualitative characteristics. See Chapter 3 of the *Conceptual Framework* for further details.

## **Presenting Projections of Future Inflows and Outflows**

21. An entity should present projections of future inflows and outflows, including capital expenditure, commencing in the current reporting period for a specified time horizon. The projections should be prepared on the basis of current policy assumptions, and assumptions about future economic and other conditions.
22. An entity should assess the extent to which it can draw on the assumptions, projections and indicators prepared by other entities, such as Ministries of Finance, rather than preparing the information itself, as this can reduce the cost of such reporting. Where an entity has a budget or forecast that meets the definition of a projection, this information can be used for the relevant time period or periods.
23. Projections can be displayed in tabular statements or graphical formats providing details of the programs and activities giving rise to outflows and identifying the sources of inflows. In determining the format of tabular statements entities need to balance considerations of understandability and relevance. Multi-columnar presentation of a large number of time periods between the reporting date and the end of the time horizon provides a more complete information set, but such a presentation increases the risk of information overload and the impairment of understandability.
24. An entity should ensure that its presentation of projections is not skewed to present a misleadingly favorable or unfavorable picture. The formats and terms used should also be consistent between reporting periods.

### **Time Horizon**

25. In selecting an appropriate time horizon an entity needs to balance the qualitative characteristics of verifiability, faithful representation and relevance. The further the end of the time horizon is from the reporting date, the more future events are captured. However, as the time horizon increases, the assumptions underpinning the projections become less robust and potentially less verifiable. Conversely, excessively short time horizons may increase the risk that the consequences of events outside the time horizon may be ignored, thereby reducing the relevance of projections.
26. There is a strong relationship between dependence on other entities for funding and time horizons. Generally, high levels of dependence may lead to the selection of shorter time horizons, because a high proportion of the entity's future inflows are dependent upon decisions by other entities over which the entity has no control and limited influence.
27. Apart from dependence on other entities for funding, the length of the time horizon will reflect the characteristics of the entity. It is likely to be influenced by aspects such as the longevity of key programs, the estimated lives of major items of property, plant, and equipment, such as infrastructure networks, and the time horizons adopted by other comparable entities providing prospective information.

## **Addressing the Dimensions of Long-Term Fiscal Sustainability**

28. An entity reporting long-term fiscal sustainability information should include a narrative discussion on the dimensions of long-term fiscal sustainability. This RPG discusses three inter-related dimensions of long-term fiscal sustainability, as follows:
  - Service;

- Revenue; and
  - Debt.
29. The dimensions are inter-related and changes in one dimension affect the other dimensions. For example, future services and entitlements to beneficiaries (the service dimension) are funded by revenue and/or debt. A single dimension can be analyzed by holding the other two dimensions constant, for example, by holding the existing level of services and revenues constant an entity can illustrate the effect of such assumptions on the level of debt. The relationship between the dimensions of long-term fiscal sustainability are illustrated in Appendix A.
30. There are two aspects to each dimension: capacity and vulnerability. Capacity is the ability of the entity to change or influence the dimension and vulnerability is the extent of the entity's dependence on factors outside its control or influence.
31. An entity can use indicators to present the dimensions of long-term fiscal sustainability. An entity should choose its indicators based on their relevance to the entity. Examples of indicators are provided in the Glossary of Indicators in Appendix B.

### **Service Dimension**

32. The service dimension considers the volume and quality of services to recipients and entitlements to beneficiaries over the period of the projections, given current policy assumptions on revenue from taxation and other sources, while remaining within debt constraints. This dimension focuses attention on the capacity of an entity to maintain or vary the volume and quality of services it provides or the entitlements programs it delivers. It also focuses attention on whether the entity is vulnerable to the willingness of recipients and beneficiaries to accept reductions in services and entitlements or vulnerable because it does not have the ability to determine or vary service levels, for example where another level of government determines the level of services to be provided.
33. The impact of assumptions based on current policy on revenue from taxation and other sources, and for maintaining debt, long-term fiscal sustainability information can present the amounts available for the provision of goods and services under these policies. Users can contrast this information with the entity's service delivery commitments, and thereby evaluate the sustainability of the provision of services.
34. A factor to consider in making such comparisons is the extent to which expenditure on certain programs is likely to increase more steeply than the overall levels of expenditure of the entity. This may be because the number of beneficiaries is projected to increase for a particular program or because costs associated with certain programs, such as healthcare, are projected to increase more quickly than the general inflation rate. For example, due to demographic and technological changes the cost of healthcare as a proportion of overall government expenditures might be projected to increase over the period of projections.
35. For capital intensive activities the service dimension also involves an assessment of the useful lives and replacement cycles of items of property, plant, and equipment.

### **Revenue Dimension**

36. The revenue dimension considers taxation levels and other revenue sources over the period of the projections, given current policy assumptions to provide services to recipients and entitlements for

beneficiaries, while remaining within debt constraints. This dimension focuses attention on the capacity of an entity to vary existing taxation levels or other revenue sources or introduce new revenue sources. It also focuses attention on whether the entity is vulnerable to the unwillingness of taxpayers to accept increases in taxation levels, and the extent of its dependence upon revenue sources outside its control or influence.

37. An example of an indicator of the revenue dimension is the proportion of total revenues that are received from entities at other levels of government or from international organizations. For example, a local government entity may be able to maintain or increase property taxes, but be partially dependent upon a mixture of general grants and specific grants from national and/or state governments. As policies for the provision of services and for managing debt are projected, the level of revenue required to fund such policies can be presented. This information assists users in assessing the entity's ability to maintain or increase its levels of revenue and thereby evaluate the sustainability of its sources of revenue.
38. Generally, an entity which has a limited ability to vary levels of revenue from taxation and other sources is likely to be highly dependent upon funding decisions by entities at other levels of government. If inter-governmental transfers have constitutional or other legal underpinning, this may make the entity less susceptible to sudden adverse funding decisions by other entities and therefore increase the probability of continuing to receive stable revenues. This information assists users in assessing the entity's vulnerability to decisions outside its control.

#### **Debt Dimension**

39. The debt dimension considers debt levels over the period of the projections, given current policy assumptions to provide services to recipients and entitlements for beneficiaries, and revenue from taxation and other sources. This dimension focuses attention on the capacity of the entity to meet its financial commitments as they come due or to refinance or increase debt as necessary. It also focuses attention on whether the entity is vulnerable to market and lender confidence and interest rate risk.
40. The level of net debt is important for an assessment of the debt dimension, as, at any reporting date, it represents the amount expended on the past provision of goods and services that has to be financed in the future. Therefore, this indicator is likely to be relevant for many entities. By projecting current policy assumptions for the provision of goods and services, and for revenue from taxation and other sources, projected levels of net debt can be presented. This information assists users in assessing the entity's ability to meet its financial commitments as they come due or to maintain, refinance or increase its levels of debt and thereby evaluate the sustainability of the entity's debt.
41. At national levels a factor to consider in presenting such projections is whether to distinguish between: (a) the primary balance, which is total projected government spending, excluding interest payable on debt, minus tax revenues, and (b) the overall balance, which is the primary balance including outflows related to interest payable on debt. At sub-national levels or for international organizations the focus may be on net debt as a percentage of total revenues. Increases in this indicator show that an increasing proportion of revenues will be required for debt servicing, thereby diverting resources from service delivery, and that the projected level of an entity's debt may be unsustainable.

## Principles and Methodologies

### Updating Projections and Frequency of Reporting

42. While regular updates are desirable, this RPG acknowledges that annual updating may not be realistic for all entities. However, there is generally an inverse relationship between the robustness of assumptions on which projections are made and the amount of time since they were made. During periods of global financial volatility the risk that projections made some time before the reporting date are outdated increases, with a consequent reduction of the ability of such information to meet the objectives of accountability and decision-making. In this situation, an entity should consider updating its projections on a more frequent basis. An entity should also consider updating its projections after significant or major unexpected events such as natural disasters or other emergencies.

### Impact of Legal Requirements and Policy Frameworks

43. In some jurisdictions reporting long-term fiscal sustainability information is governed by a legal or regulatory framework that applies at the national or state level. There may also be legal requirements for local government. These might include balanced budget requirements. These requirements are likely to specify or otherwise affect the principles, assumptions and methodologies an entity should use in calculating its projections.

### Current Policy, Demographic and Economic Assumptions

#### *Current Policy Assumptions*

44. Where flows for particular programs and activities are individually modeled, the policy assumptions should be based on the continuation of current legislation or regulation with departures where appropriate. Those assumptions (referred to as “current policy assumptions”) should be held constant through-out the entire projection period. The starting point for current policy assumptions should be current legislation or regulation. However, there may be instances where a departure from current legislation or regulation may be appropriate, for example:
- (a) Where changes to current legislation or regulation have been enacted before the reporting date, and where those changes have a specific implementation date within the time horizon of the projections;
  - (b) Where the provisions in current legislation or regulation are internally inconsistent; or
  - (c) Where current legislation or regulation has a termination date, e.g., “sunset provisions”.
45. Current policy assumptions may be affected by legal changes that have been enacted before the reporting date which have a specific implementation date within the time horizon of the projections. In these circumstances, assuming current legislation or regulation remains in force for the entire projection period will not be appropriate.
46. An example of current legislation or regulation that is internally inconsistent is a social security program which has legal provisions that make it unlawful to make payments once an earmarked fund is exhausted, although entitlements of beneficiaries will continue after the exhaustion of that fund. Assuming that the fund will not meet obligations once it is exhausted might reflect a strict legal position, but an entity may need to assess whether the presentation of projections on such a basis underestimates projected outflows and therefore the extent of the fiscal challenge facing the

social security program. In this situation an entity may calculate its projections based on current policy assumptions despite legal restrictions.

47. Current legislation or regulation may have a termination date, e.g., sunset provisions whereby it terminates after a specific period. In many cases there may be a strong probability that such programs will be replaced by similar programs. Adopting a strict legal termination principle could underestimate projected outflows, and therefore impair the usefulness of the information.

#### Approach to Revenue Inflows

48. Significant revenue inflows from taxation and other sources, such as inter-governmental transfers, may be individually modeled based on current policy assumptions. Significant sources of taxation and other revenue inflows that are not modeled individually are projected to grow (or diminish) in relation to a variable such as gross domestic product (GDP) or an index such as the inflation index.
49. Other revenue inflows, such as royalties from natural resources, may also be projected to grow in line with GDP or an index. They may also be individually modeled to address specific circumstances, such as when the natural resource is expected to be depleted.

#### Approach to Age-Related and Non-Age-Related Programs

50. Age-related programs are often subject to eligibility criteria such as age and other demographic factors. In making projections, programs and activities that are age-related may be distinguished from non-age related programs. Age-related programs may be individually modeled while non-age-related programs may be projected to increase in line with other variables, such as GDP, or to be constant in real terms. Such an approach to non-age-related programs provides some flexibility, as it allows above GDP/real terms increases in some programs and activities to be offset by lower increases or spending declines in other areas.

#### *Demographic and Economic Assumptions*

51. Demographic assumptions are likely to include fertility, mortality and migration rates, and workforce participation rates. Economic assumptions are likely to include economic growth rates and inflation. Other economic assumptions may include environmental factors, such as the impact of the depletion and degradation of ecosystems and the depletion of water and finite natural resources on economic growth.

#### *Reasonableness of Assumptions*

52. Projections of inflows and outflows should reflect reasonable current policy, economic and demographic assumptions.

#### **Inflation and Discount Rates**

53. There are two main approaches to incorporating the effect of price inflation in projections. Inflation may be taken into account in making projections or projections may be made at current prices (i.e., prices prevailing at the reporting date). If the projections include inflation, then the discount rate should also include inflation. If the projections are at current prices, the discount rate should exclude inflation.

## Sensitivity Analysis

54. Many assumptions on which projections are based are inherently uncertain. In some cases small changes in variables can have significant impacts on the projections. The use of sensitivity analysis will help users to understand the impact of significant changes in demographic and economic assumptions on the projections.

## Disclosures

55. The entity should disclose information that enables users of its long-term fiscal sustainability information to assess the projected long-term fiscal sustainability of the entity. An entity should make any additional disclosures necessary to meet the objectives of financial reporting.
56. An entity should disclose the following information:
- (a) The name of the entity;
  - (b) The financial statements to which the long-term fiscal sustainability information relates;
  - (c) Where different, the names of the entities within the reporting boundary for long-term fiscal sustainability information that are different to those for the financial statements;
  - (d) Where the entity is a controlled entity, the identity of the controlling entity;
  - (e) The date at which a full set of projections was made;
  - (f) The basis and timing of subsequent updating; and
  - (g) When an entity uses projections and indicators prepared by other entities, the names of those entities and the information that has been used.
57. The narrative discussion of the projections should include disclosure of the following information:
- (a) The sources of significant revenue inflows from taxation and other sources;
  - (b) An overview of the current policy assumptions for significant revenue inflows from taxation and other sources, such as taxation threshold levels and allowances;
  - (c) The sources of significant outflows including capital expenditure;
  - (d) Whether the projections are modeled individually or in aggregate;
  - (e) An overview of the current policy assumptions for the significant outflows including capital expenditure;
  - (f) An explanation of the changes in projections between reporting dates and the reasons for those changes;
  - (g) An explanation that it is unlikely that projections over the specified time horizon will match the actual outcome and the extent of the difference will depend upon a range of factors, including the future actions of the entity in meeting any identified fiscal challenge;
  - (h) An explanation of any modifications of formats between reporting periods and the reasons for such changes;
  - (i) The time horizon used for the projections and the reasons for selecting that time horizon; and

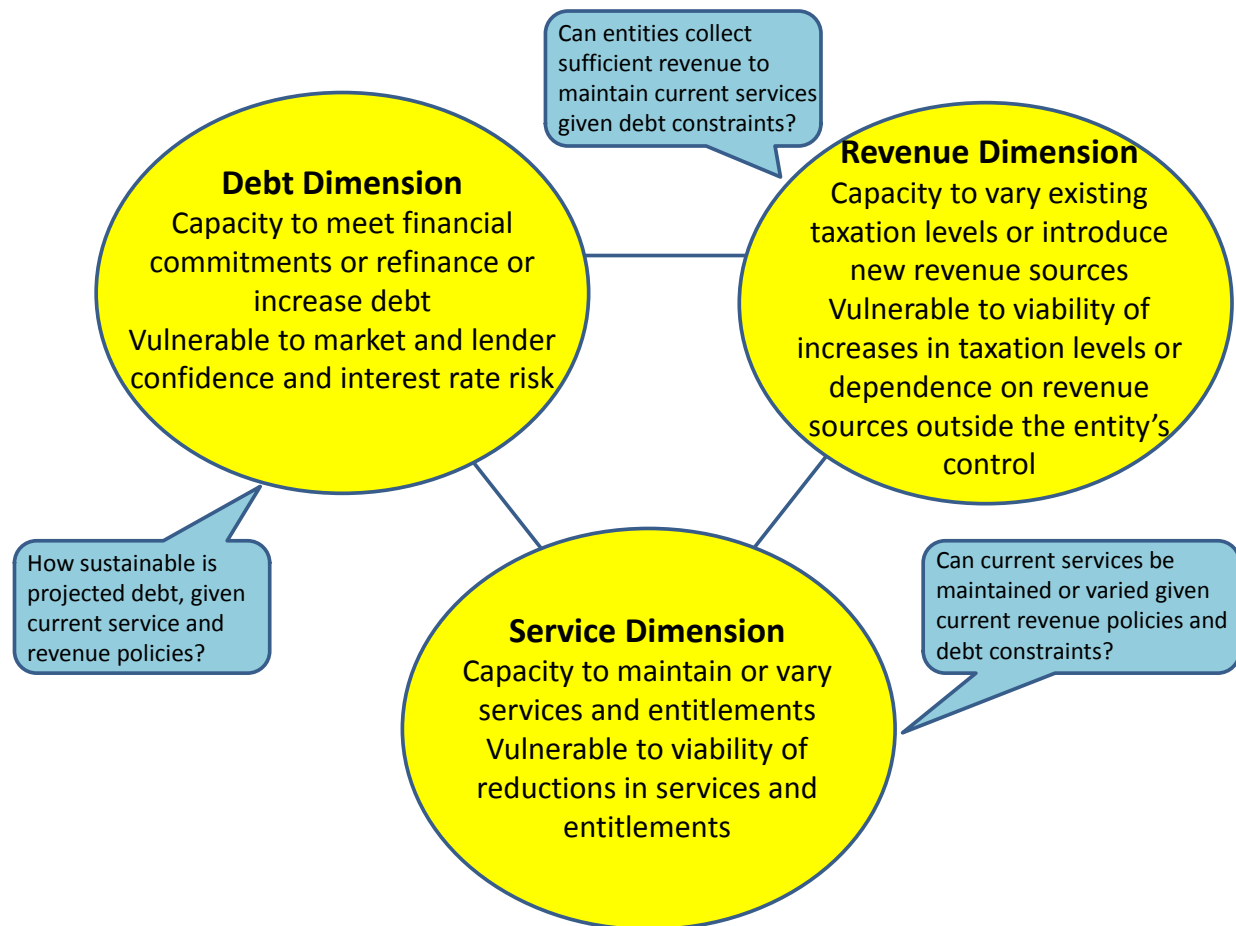
- (j) Where an entity changes the time horizon from that used in the previous reporting period, the reason for such a change.
58. The narrative discussion of the dimensions of long-term fiscal sustainability should include disclosure of the following information:
- (a) An analysis of significant changes in the indicators compared with those of the previous reporting period;
  - (b) Changes in the indicators used to report long-term fiscal sustainability information from the previous reporting period, and the reasons for such changes; and
  - (c) Where an entity uses indicators that are based on amounts derived from non-IPSAS based information, the indicators affected and, where possible, the estimated impact on the indicators.
59. An entity should disclose the principles, assumptions and methodology that underpin the projections including the following information:
- (a) Key aspects of governing legislation and regulation;
  - (b) Underlying macro-economic policy and fiscal frameworks including details of where other publicly available reports on these policies and frameworks can be accessed, including documents outside the GPFRs;
  - (c) The key current policy assumptions and the key demographic and economic assumptions that underpin the projections;
  - (d) Its policy for reviewing and updating current policy assumptions and, demographic and economic assumptions;
  - (e) An explanation of any significant current policy assumptions that depart from current legislation or regulation;
  - (f) An explanation of significant changes in the principles, assumptions and methodologies from the previous reporting period, the nature and extent of these changes, and the reasons for such changes;
  - (g) The results of any sensitivity analyses that could have a significant impact on the projections;
  - (h) The discount rates applied and the basis on which the discount rate has been determined; and
  - (i) The approach to inflation and the reason for this approach.



## Appendix A

### Relationship between the Dimensions of Long-Term Fiscal Sustainability

This Appendix illustrates the two aspects (capacity and vulnerability) of each of the three dimensions and the relationship between the three dimensions.



## Appendix B

### Glossary of Indicators

This Appendix lists examples of indicators. It is not intended to be an exhaustive list.

#### Government Finance Statistics Reporting Guidelines

Where an indicator includes a defined term, that term is shown in *italics* and its definition is shown after the indicators.

- **Gross debt, total:** Total gross debt—often referred to as “total debt” or “total debt liabilities”—consists of all *liabilities* that are *debt instruments*. A debt instrument is defined as a financial claim that requires payment(s) of interest and/or principal by the debtor to the creditor at a date, or dates, in the future.<sup>4</sup>
- **Net debt:** Net debt is calculated as gross debt minus *financial assets* corresponding to *debt instruments*.<sup>4</sup>
- **Net financial worth:** Net financial worth of an *institutional unit* (or grouping of units) is the total value of its *financial assets* minus the total value of its outstanding *liabilities*.<sup>4</sup>
- **Net worth:** Net worth of an *institutional unit* (or grouping of units) is the total value of its *assets* minus the total value of its outstanding *liabilities*.<sup>4</sup>
- **Overall balance:** This term corresponds to the GFS 1986 terminology of “Overall Deficit/Surplus,” which is defined as revenue plus grants received less expenditure less “lending minus repayments.” The balance so defined is equal (with an opposite sign) to the sum of net borrowing by the government, plus the net decrease in government cash, deposits, and securities held for liquidity purposes. The basis of this balance concept is that government policies are held to be deficit- or surplus-creating, and thus the revenue or expenditures associated with these policies are “above the line.” Borrowing or a rundown of liquid assets, however, is deficit financing or “below the line.” It should be noted that the term **lending minus repayments** included above the line covers government transactions in debt and equity claims on others undertaken for purposes of public policy rather than for management of government liquidity or earning a return.<sup>5</sup>
- **Primary balance:** The overall balance, excluding interest payments. Since interest payments represent the cost of past debt, and the determinants of future debt that are under policy control of government are other spending and revenue measures exclusive of interest payment, the primary balance is of particular importance as an indicator of the fiscal position in countries with high levels of debt.<sup>5</sup>

#### Underlying Definitions

- **Debt instrument:** A debt instrument is defined as a financial claim that requires payment(s) of interest and/or principal by the debtor to the creditor at a date, or dates, in the future.<sup>4</sup>

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<sup>4</sup> Source: International Monetary Fund: *Public Sector Debt Statistics—Guide for Compilers and Users* 2011

<sup>5</sup> Source: International Monetary Fund: *Manual on Fiscal Transparency* (2007)

- **Economic assets:** Economic assets are entities (i) over which economic ownership rights are enforced by institutional units, individually or collectively, and (ii) from which economic benefits may be derived by their owners by holding them or using them over a period of time.<sup>4</sup>
- **Financial assets:** Financial assets consist of financial claims plus gold bullion held by monetary authorities as a reserve asset. A financial claim is an asset that typically entitles the owner of the asset (the creditor) to receive funds or other resources from another unit, under the terms of a liability.<sup>6</sup>
- **Institutional unit:** An institutional unit is an economic entity that is capable, in its own right, of owning assets, incurring liabilities, and engaging in economic activities and in transactions with other entities.<sup>6</sup>
- **Liability:** A liability is established when one unit (the debtor) is obliged, under specific circumstances, to provide funds or other resources to another unit (the creditor).<sup>6</sup>

#### Other Sources

- **Fiscal gap:** The **fiscal gap** is the change in non-interest spending and/or receipts that would be necessary to maintain public debt at or below a target percentage of gross domestic product (GDP).<sup>7</sup> More specifically, the fiscal gap is the net present value of projected spending<sup>8</sup> minus projected receipts, adjusted by the decrease (or increase) in public debt required to maintain public debt at or below the target percentage of GDP for the stated projection period. (Source: US Federal Accounting Standards Advisory Board: Statement of Federal Financial Accounting Standards 36: *Comprehensive Long-Term Projections for the U.S. Government* 2009)
- **Inter-temporal budget constraint:** The inter-temporal budget constraint is satisfied if the projected outflows of the government (current public debt and the discounted value of all future expenditure, including the projected increase in age-related expenditure) are covered by the discounted value of all future government revenue. (Source European Commission: *Sustainability Report*: 2009))
- **Net Debt/Total Revenues:** Net debt as a proportion of total revenues. (Source Canadian Public Sector Accounting Board (PSAB): Statement of Recommended Practice 4 (SORP 4), *Indicators of Financial Condition*: 2009)

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<sup>6</sup> Source: International Monetary Fund: *Public Sector Debt Statistics—Guide for Compilers and Users* 2011

<sup>7</sup> GDP is the total market value of all final goods and services produced domestically during a given period of time. The components of GDP are: private sector consumption and investment, government consumption and investment, and net exports (exports-imports).

<sup>8</sup> Since interest is factored into the present value calculation, the fiscal gap as a share of spending is expressed as a share of spending excluding interest ("non-interest spending").

## Appendix C

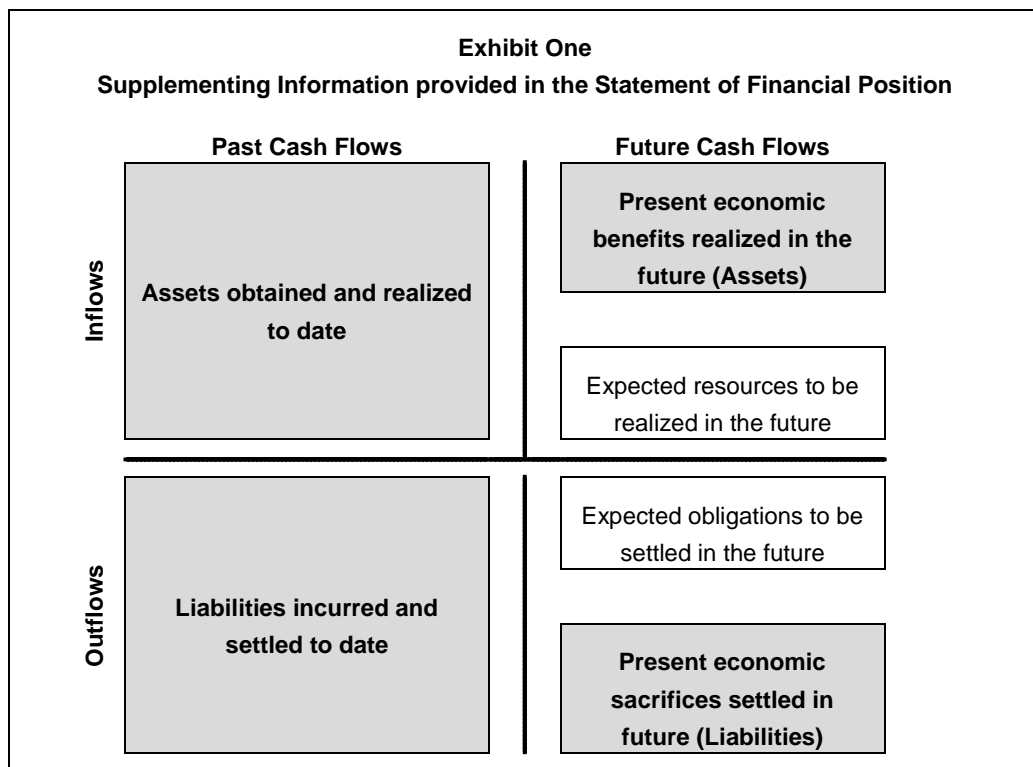
### Existing Definitions in IPSASs

Term	Definition	Paragraph reference in this RPG
<b>Assets</b>	Resources controlled by an entity as a result of past events and from which future economic benefits or service potential are expected to flow to the entity.	2
<b>Cash</b>	Comprises cash on hand and demand deposits.	11
<b>Cash equivalents</b>	Short-term, highly liquid investments that are readily convertible to known amounts of cash and which are subject to an insignificant risk of changes in value.	11
<b>Controlled entity</b>	An entity, including an unincorporated entity such as a partnership, which is under the control of another entity (known as the controlling entity).	20
<b>Controlling entity</b>	An entity that has one or more controlled entities.	20
<b>Government Business Enterprise</b>	An entity that has all the following characteristics: (a) Is an entity with the power to contract in its own name; (b) Has been assigned the financial and operational authority to carry on a business; (c) Sells goods and services, in the normal course of its business, to other entities at a profit or full cost recovery; (d) Is not reliant on continuing government funding to be a going concern (other than purchases of outputs at arm's length); and (e) Is controlled by a public sector entity.	7
<b>General government sector</b>	Comprises all organizational entities of the general government as defined in statistical bases of financial reporting.	15
<b>Liabilities</b>	Present obligations of the entity arising from past events, the settlement of which is expected to result in an outflow from the entity of resources embodying economic benefits or service potential.	2
<b>Reporting date</b>	The date of the last day of the reporting period to which the financial statements relate.	1
<b>Revenue</b>	The gross inflow of economic benefits or service potential during the reporting period when those inflows result in an increase in net assets/equity, other than increases relating to contributions from owners.	13

## Basis for Conclusions

### Background

- BC1. The IPSASB initially launched a project on accounting for social policy obligations (subsequently re-termed social benefits) in 2002. This led to the publication of an Invitation to Comment (ITC), *Accounting for Social Policies of Governments*, in January 2004. Following an analysis of responses to that ITC, the IPSASB began to develop proposals for accounting for obligations related to different sub-categories of social benefits. In late 2006, due to failure to agree on recognition points and measurement requirements for liabilities, the IPSASB decided not to develop further proposals on recognition and measurement at that time.
- BC2. As an interim step the IPSASB developed proposals for the disclosure of amounts to be transferred to those eligible at the reporting date for cash transfers (benefits settled in cash). It expressly did not propose the disclosure of obligations and liabilities. ED 34, *Social Benefits: Disclosure of Cash Transfers to Individuals or Households* was issued in March 2008.
- BC3. The deliberations on identifying the point at which liabilities for social benefits arise had led the IPSASB to the view that the financial statements cannot provide all the information that users need on social benefits. This is illustrated in Exhibit One below where the shaded boxes indicate information provided in the financial statements. The IPSASB considered that before launching any further project it should consult constituents. Therefore the IPSASB raised this issue in a further Consultation Paper, *Social Benefits: Issues in Recognition and Measurement* and issued a Project Brief, *Long-Term Fiscal Sustainability Reporting*. Both these documents were issued at the same time as ED 34.



- BC4. In October 2008 the IPSASB reviewed responses to all of the above documents. In the light of these responses, it was decided not to develop ED 34 into an IPSAS. The IPSASB also noted that a large majority of respondents agreed that the financial statements cannot convey sufficient information to users about the long-term financial implications of governmental programs providing social benefits.<sup>9</sup> In light of this view the IPSASB decided to initiate a project on long-term fiscal sustainability (subsequently re-termed “Reporting on the Long-Term Sustainability of Public Finances”). This led to the issue of a Consultation Paper, *Reporting on the Long-Term Sustainability of Public Finances*, in November 2009. Drawing on existing practice the Consultation Paper put forward the case for reporting long-term fiscal sustainability information, made suggestions on how such information might be presented and sought the views of constituents. The majority of respondents to the Consultation Paper favored the continuation of the project, although many said that they preferred the IPSASB to develop guidelines rather than requirements.
- BC5. In light of the responses to the Consultation Paper, the IPSASB developed Exposure Draft (ED) 46 Recommended Practice Guideline (RPG), *Reporting on the Long-Term Sustainability of a Public Sector Entity's Finances* which was issued in October 2011. This ED proposed non-authoritative guidance for public sector entities reporting long-term fiscal sustainability information.
- BC6. The IPSASB has further developed its thinking on reporting long-term fiscal sustainability information in the course of its project on *The Conceptual Framework for General Purpose Financial Reporting by Public Sector Entities* and, in particular, in Chapter 2 of that Framework. Chapter 2: *Objectives and Users of General Purpose Financial Reporting* reflects the view that, although the financial statements are at the core of financial reporting, a more comprehensive scope is necessary to meet the needs of users. That scope includes prospective financial information. The IPSASB has also noted that projected outflows relating to obligations as a result of past decisions and projected inflows related to sovereign powers and taxation powers may not be recognized or may only be partially recognized in the statement of financial position and the statement of financial performance. Therefore, in order to meet the financial reporting objectives of accountability and decision-making, an entity should provide users with information on future inflows and outflows that supplements information on the entity's financial position in the financial statements.
- BC7. The IPSASB acknowledges that the rationale for reporting long-term fiscal sustainability information in paragraph BC6 might indicate that for some entities such reporting should be required. However, the IPSASB concluded that it would be premature to issue an authoritative pronouncement, because reporting long-term fiscal sustainability information in general purpose financial reports (GPFRs) is an area where practice is developing and the IPSASB wishes to encourage innovative and flexible approaches. This approach is

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<sup>9</sup>

Further work on proposals for the recognition and measurement of liabilities arising from obligations to deliver social benefits is progressing indirectly in Phase 2 of the *Conceptual Framework for General Purpose Financial Reporting by Public Sector Entities* project. This phase deals with elements, and includes the development of the definition of a liability and other relevant issues such as whether the power to tax is an asset. This work is likely to influence the approach to recognizing and measuring liabilities related to social benefits.

consistent with the views of the majority of respondents to ED 46. The IPSASB notes that paragraph 4 of the RPG notes that it is good practice to follow this RPG.

## Scope

- BC8. The IPSASB considered whether the scope of the RPG should be limited to the consolidated national and whole-of-government levels. The IPSASB acknowledged that reporting long-term fiscal sustainability information is particularly relevant at these levels, but concluded that there might be significant user demand for such information at sub-national levels. The IPSASB therefore concluded that a narrow scope limited to the national and whole-of-government levels is not justified.

## Definitions

### *Long-Term Fiscal Sustainability*

- BC9. The Consultation Paper noted that there is no universally accepted definition of long-term fiscal sustainability and included a working definition that long-term fiscal sustainability is “the ability of government to meet its service delivery and financial commitments both now and in the future.” The IPSASB acknowledged the view that this definition is insufficiently rigorous and that a definition should be adopted that provides users with a clearer indication whether an entity’s current economic position is sustainable. Such an approach might involve (a) linking current service delivery obligations to the maintenance of current taxation levels and (b) focusing on projected debt paths. An entity that can only maintain current service delivery obligations and financial obligations by increasing taxation or current debt levels is identified as being in an unsustainable position. Macro-economists tend to adopt this more rigorous approach and focus on “explosive” debt paths, which is a term that connotes that existing service levels and existing benefits from entitlement programs cannot be sustained without major increases in levels of indebtedness.
- BC10. The IPSASB decided to retain the definition of long-term fiscal sustainability used in the Consultation Paper for ED 46 except for widening the scope to reflect that it can apply to all public sector entities (except Government Business Enterprises) rather than limiting it to governments. In coming to this conclusion the IPSASB noted the need for governments and public sector entities to both (a) provide services and meet obligations relating to entitlement programs and (b) meet financial obligations, principally debt servicing. The IPSASB also noted that many governments have sovereign powers to legislate new taxation sources and to vary the levels of existing taxation, while acknowledging that in a global environment the ability to increase taxation might be practically constrained by a number of considerations. The IPSASB took the view that, provided an entity gives appropriate attention to the dimensions of long-term fiscal sustainability, as explained in paragraphs 28–41, users will be given adequate information about whether an entity can maintain existing service levels, meet obligations to the current and future beneficiaries of entitlement programs and meet financial obligations without increasing revenue from taxation and other sources or increasing borrowing.

## *A Projection*

- BC11. Several respondents to ED 46 suggested that the relationship between projections, budgets and forecasts should be clarified. Given that there are no universally accepted definitions of these terms, the IPSASB decided to develop a definition of projection to clarify the characteristics of information that should be used in calculating the projections and to ensure that only calculations that meet this definition are within the scope of the RPG. The IPSASB agreed that if the entity has a budget or forecast that meets the definition of a projection, then this information can be used for the relevant time period or periods as this allows entities to use existing information sources.

## **Determining Whether to Report Long-Term Fiscal Sustainability Information**

- BC12. As discussed in paragraph BC8 the IPSASB concluded that the scope of the RPG should not be limited to particular levels of government. However, the IPSASB acknowledged that reporting long-term fiscal sustainability information might not be appropriate for all entities. The IPSASB considered this issue at length.
- BC13. The Consultation Paper questioned whether reporting long-term fiscal sustainability information is appropriate for individual controlled entities. This reservation was based on a tentative view that (a) the cost of producing the information for such entities is likely to be greater than the benefits to users, (b) the production of separate reports and disclosures by individual entities within an economic entity might be confusing to users and (c) it could be misleading if entities with limited tax-raising powers and a dependence on resources from entities at other tiers of government provide projections that are contingent on taxation decisions over which they have little or no control. Some respondents to the Consultation Paper challenged this view and suggested that there are cases where users for long-term fiscal sustainability information of controlled entities can be identified. The example of a local government entity controlled by a state or provincial government was cited. These respondents proposed that the test for whether an entity reports long-term fiscal sustainability information should be to assess whether potential users exist for this type of information. The IPSASB was persuaded by these arguments and the RPG reflects these views in paragraphs 12 and 13.
- BC14. The IPSASB acknowledged that direct evidence of the existence of users of long-term fiscal sustainability information might not be readily available. The IPSASB sought to identify characteristics which might indicate the existence of users across the three dimensions of long-term fiscal sustainability. The IPSASB had reservations about whether there would be significant numbers of users to justify the costs of reporting if entities did not have one of more of the following characteristics:
- (a) Significant tax and/or other revenue raising powers;
  - (b) Powers to incur significant debt; or
  - (c) The power and ability to determine the nature, level and method of service delivery including the introduction of new services.
- BC15. Therefore, the IPSASB agreed to include the characteristics listed above in paragraph 13 of the RPG.



- BC16. The IPSASB believes that reporting long-term fiscal sustainability information is likely to be relevant at the whole of government level, consolidated national level, and for major sub-national entities such as regions, provinces, states and large local government entities (for examples, cities), which have tax raising powers enabling them to generate a significant proportion of their total revenues. The IPSASB remains of the view that reporting long-term sustainability information is unlikely to be appropriate for individual government departments and entities. This is because often they do not have tax raising powers, their expenditure is controlled through appropriations, and they do not have powers to incur debt.

### **Presenting Projections of Future Inflows and Outflows**

- BC17. The Consultation Paper considered three models for reporting long-term fiscal sustainability information and suggested that (a) the provision of additional statements providing details of projections and (b) summarized projections in narrative reporting were appropriate. Some respondents suggested that, although the Consultation Paper acknowledged that these reporting approaches were not mutually exclusive, the IPSASB should highlight that reporting long-term fiscal sustainability information just by displaying projections in statements is insufficient to meet user needs and that other presentation methods need to be deployed. The IPSASB was persuaded by this view and agreed to reflect this in the RPG (refer to paragraph 17 of the RPG).
- BC18. The IPSASB considered whether it should recommend time horizons for projections for entities at particular levels of government. It acknowledged the view that standard time horizons for particular types of public sector entity might enhance comparability. The IPSASB decided that such benchmarks would be over-prescriptive and impractical. The scope of the RPG is such that standard time horizons would have to be determined for a wide range of entities, including individual reporting entities.<sup>10</sup> In addition the fiscal autonomy of entities at the same level of government can differ markedly between jurisdictions. The IPSASB concluded, however, that it is good practice for entities to explain the reason for the time horizons that they select. The IPSASB considers that the extent of an entity's dependence on other entities for funding will have an impact on time horizons; the higher the level of dependence, the higher the likelihood of shorter time horizons.
- BC19. The Consultation Paper included illustrative examples of tabular statements showing 75 year projections for key programs and activities. The IPSASB noted the view of some respondents that a focus on the position at the end of the time horizon may obscure events between the reporting date and the end of the time horizon. The IPSASB accepted this view and included guidance on the need to balance the qualitative characteristics of verifiability, faithful representation and relevance in displaying projections in the RPG (refer to paragraph 25 of the RPG).

### **Addressing the Dimensions of Long-Term Fiscal Sustainability**

- BC20. The IPSASB considered that providing a flexible framework for the disclosure of information might help entities to organize the way in which they communicate information and ensure

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For example, such entities might include school boards or bodies responsible for water and drainage.

that information is a faithful representation of an entity's long-term fiscal sustainability information.

BC21. ED 46 included three dimensions of long-term fiscal sustainability, as follows:

- Fiscal capacity;
- Service capacity; and
- Vulnerability.

BC22. The description of vulnerability was derived from the definition of vulnerability in Statement of Recommended Practice 4 (SORP-4), *Indicators of Financial Condition* issued by the Canadian Public Sector Accounting Board (PSAB). The definition in SORP-4 is “the degree to which a government is dependent on sources of funding outside its control or influence or is exposed to risks that could impair its ability to meet its existing financial obligations both in respect of its service commitments to the public and financial commitments to creditors, employees and others.” The IPSASB considered that a variant of this notion is particularly important for entities at sub-national levels which have limited taxation powers and are therefore exposed to decisions, over which they have no or very limited control, taken by other entities at other levels of government.

BC23. The descriptions of the other two dimensions in ED 46 were derived from the US Governmental Accounting Standards Board's (GASB)<sup>11</sup> definitions of “fiscal capacity” and “service capacity.” The GASB defines fiscal capacity as “the government's ability and willingness to meet its financial obligations as they come due on an ongoing basis” and service capacity as “the government's ability and willingness to meet its commitments to provide services on an ongoing basis.”

BC24. When developing the RPG based on ED 46, the IPSASB considered whether the notion of vulnerability in the ED was too narrow and whether vulnerability is a more pervasive factor in the analysis of the long-term fiscal sustainability of an entity's finances. The IPSASB concluded that vulnerability is an aspect of all three dimensions. Therefore, the IPSASB decided to (a) explain how the notion of vulnerability affects each dimension of long-term fiscal sustainability and (b) change the name of the vulnerability dimension to the revenue dimension because its description relates to changes in revenues.

BC25. The IPSASB also noted that the dictionary definition of “fiscal” includes revenue<sup>12</sup> while the description of fiscal capacity relates to the ability of the entity to meet financial commitments, in other words, its ability to maintain and service its debt. Therefore the IPSASB decided that the name of this dimension should be changed to the debt dimension to more closely reflect the description. The renaming of these two dimensions leads to a consequential amendment to the service capacity dimension so that the wording of the three dimensions is consistent.

BC26. The IPSASB noted that the dimensions are inter-related and that many of the indicators in Appendix B are likely to be relevant for all the dimensions.

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<sup>11</sup> *Preliminary Views of the Governmental Accounting Standards Board on Major Issues related to Economic Condition Reporting: Financial Projections*. (Governmental Accounting Standards Board: Norwalk, CT, USA, November 2011)

<sup>12</sup> The definition of fiscal is “of or relating to taxation, public revenues, or public debt” (Webster's Ninth New Collegiate Dictionary, 1984).

- BC27. The IPSASB noted that the approach taken by the PSAB and the GASB had similarities to the “dimensions” of sustainability developed by Allen Schick<sup>13</sup> and discussed in the Consultation Paper.
- BC28. One of the dimensions that Schick discussed was “economic growth.” The IPSASB considered that explicitly introducing a dimension of economic growth was inappropriate because the determinants of economic growth are complex and not under the control of the reporting entity. However, assumptions about economic growth will be critical to the development of projections and are likely to feature heavily in sensitivity analyses.

### **Principles and Methodologies**

- BC29. The Consultation Paper discussed the principles that should be adopted for the inclusion of programs and activities in reporting long-term fiscal sustainability information and methodologies central to the outcome of projections. The areas addressed included whether projections should be based on current or future policy, the approach to revenue inflows, the approach to age-related and non-age-related programs and the approach to sensitivity analysis. The IPSASB considered whether, in order to meet the qualitative characteristic of comparability, the IPSASB should make firm recommendations on good practice.
- BC30. The IPSASB did not consider it appropriate to make firm recommendations on good practice because (a) the scope of the RPG includes all public sector entities and practice that is appropriate at one level of government may not be suitable elsewhere in the public sector, (b) while reporting long-term fiscal sustainability information has become a feature of financial management in an increasing number of jurisdictions it is at an early stage of development and (c) it is not the intention of the IPSASB to usurp the role of other professional groups with expertise in this area. In some cases the IPSASB has considered it appropriate to express a view on a preferred high level approach. For example, the IPSASB has taken the view that projections are likely to be most useful when they are based on current policy assumptions and encompass both inflows as well as outflows. The IPSASB also noted that, at the national level, the Organisation for Economic Cooperation and Development has recommended that projections should be updated on an annual basis.

### *Current Policy Assumptions*

- BC31. Paragraphs 40–42 of ED 46 explained that an entity can depart from using current policy to calculate its projections (a) where there is a conflict between current policy and legal obligations and (b) where a policy has “sunset provisions.”
- BC32. The IPSASB introduced the term “current policy assumptions” to clarify that current policy means current legislation or regulation with departures where appropriate. Current policy assumptions are applied to the entire projection period for inflows or outflows that are individually projected. The RPG gives examples of where a departure may be appropriate in paragraph 44. The IPSASB noted that paragraph 59(e) of the RPG recommends that any departures from current legislation or regulation be disclosed together with the reasons for such departures.

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Allen Schick, *Sustainable Budget Policy: Concepts and Approaches* (OECD: Paris, 2005)

- BC33. A respondent to ED 46 raised a concern that the concept of current policy should be broader than that proposed in the ED to deal with issues such as fiscal drag. Fiscal drag refers to the phenomenon that income tax inflows grow faster than the income it is levied on because, as an individual's income grows, an increasing proportion of it is taxed at a higher rate. Fiscal drag occurs if the rates and thresholds for the taxation of individuals are not adjusted over time, and is often addressed by governments through periodic increasing of tax thresholds.
- BC34. The IPSASB concluded that the issue of fiscal drag is addressed in paragraph 48 of the RPG because it permits current policy assumptions to be applied to the demographic and economic assumptions, including assumptions over inflation. When a flow such as tax is modeled it may be based on a percentage of a variable such as GDP or reflect the application of current policy assumptions to the changing circumstances reflected in the demographic and economic assumptions.