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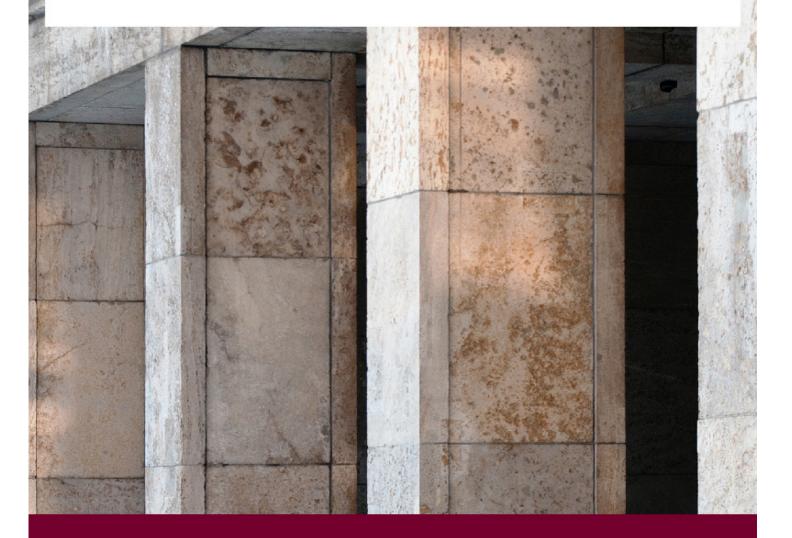
COVER NOTE

From:	Reinhard Silberberg, Ambassador, Permanent Representation of the Federal Republic of Germany to the European Union
date of receipt:	29 April 2016
To:	Mr Carsten PILLATH, Director General, Council of the European Union
Subject:	German Stability Programme 2016 Update

Delegations will find attached the German Stability Programme 2016 Update in English.

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German Stability Programme

2016 Update

German Stability Programme

2016 Update

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Preface to the German Stability Programme for 2016

Stability and Growth Pact, member states of draft budgetary plans. the euro area submit updated Stability Prosubmit updated Convergence Programmes.

This update of the German Stabili- onlineat: ty Programme was approved by the feder- http://www.bundesfinanzministerium.de al cabinet on 13 April 2016. The programme al government submits each update of the pean Commission's website at: German Stability Programme to the com- http://ec.europa.eu/economy_finance/eco-Bundestag as well as to the Finance Minister dex_en.htm Conference (Finanzministerkonferenz) and the Stability Council (Stabilitätsrat). After review by the ECOFIN Council, the Council's opinion on the Stability Programme is likewise forwarded to these bodies.

By submitting this updated Stability Programme, which contains projections of budgetary trends at all government levels (Federation, Länder, local authorities and

The member states of the European Union social security funds), the federal governsubmit their medium-term fiscal plans to ment is complying in full with its obligation the European Commission and to the Eco- for the year 2016 to submit national medinomic and Financial Affairs Council (ECO- um-term fiscal plans in accordance with Ar-FIN) by the end of April each year. To this ticle 4 of Regulation (EU) No 473/2013 on end, in order to comply with the rules of the the provisions for monitoring and assessing

The Federal Ministry of Finance publishgrammes, while all other EU member states es the updated Stability Programme along with the programmes for preceding years

The programmes of all EU member follows the Guidelines on the format and states as well as the corresponding Europecontent of Stability and Convergence Pro- an Commission analyses and ECOFIN recgrammes (Code of Conduct). The feder- ommendations are published on the Euro-

petent expert committees of the German nomic_governance/sgp/convergence/in-

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Page Preface

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Summary 1.

By ensuring continuity and reliability, Ger- tio is expected to decline consistently and ticular is demonstrating robustness: wag- rules of the Stability and Growth Pact. es and employment are increasing appreels of investment, and stronger growth.

man fiscal policy is contributing to posi- to fall below the Maastricht limit of 60% by tive economic trends and stability in Eu- 2020. Germany met all of the other fiscal rope. The German economy is posting solid policy targets laid down in last year's Stabiligrowth, and the domestic economy in par- ty Programme and complied in full with the

Nevertheless, German fiscal policy conciably, with total employment expected to timues to face wide-ranging challenges. It rereach 43.4 million on average in 2016 - a mains the case that fiscal policy continues new record. Fiscal policies targeted towards to benefit from exceptional circumstances growth-friendly consolidation have durably on financial and capital markets and must boosted consumer and business confidence therefore prepare for the necessary normalin the economy's long-term viability, and isation of interest rates. In addition, an agethis markedly improves the climate for sta- ing population is generating greater fiscal ble macroeconomic conditions, higher lev- burdens. As described in the most recent report by the Federal Ministry of Finance on Since 2012, the general government the sustainability of public finances (pubbudget - which encompasses the budgets lished in February 2016), the sustainability of the Federation, Länder, local authorities of public finances has improved in comparand social security funds - has fulfilled the lison with earlier reports, thanks to the succriteria of being close to balance. In 2015, cess of the government's consolidation pol-Germany succeeded in generating a gener- icies. However, further decisive reforms are al government surplus of 0.7% of GDP. By necessary to ensure the long-term stability adopting a federal budget that contained of public budgets. Furthermore, the Federno new borrowing, the federal govern- ation, Länder and local authorities are curment played a decisive role in securing this rently tackling the tremendous and urgent achievement. After peaking in 2010, gener- task of providing humanitarian assistance al government debt has fallen: the debt-to- to hundreds of thousands of refugees and GDP ratio stood at 71.2% at the end of 2015 integrating them into society. All of these and is expected to decline further to 68¼% factors give rise to considerable uncertainin 2016. According to current projections, ties for public budgets. Vigilant and forthe general government debt-to-GDP ra- ward-looking fiscal policies and a high de-

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order to fully safeguard the government's sizeable financial assistance to the Länder includes necessary measures to safeguard infrastructure. Spending by social security Germany's internal and external security, funds is also climbing substantially. Against this background, the federal government has set itself the goals of (a) ensuring to promote growth and employment are that this year's federal budget also contains described in detail in Germany's 2016 Nano new borrowing (b) adhering to fiscal tional Reform Programme (NRP), which policies that foster growth and jobs, and (c) was adopted by the federal government on tional rules. In the financial plan up to the European Commission by the end of April. year 2020, which was adopted on 23 March In the NRP, the federal government degoal of achieving balanced federal budgets nomic challenges cited in the European in the years from 2017 to 2020. Germany's Commission's country report for Germafiscal policy targets.

cal strategy is to maintain its policies of mendations made by the European Council growth-friendly consolidation. The feder- in 2015, (b) meeting the targets of the Eual government has succeeded in consist- rope 2020 growth strategy, and (c) impleently pursuing this approach. In particu- menting the voluntary commitments set lar, it has substantially increased its funding out in Germany's 2015 Action Programme to improve transport infrastructure and to for the Euro Plus Pact. Those measures in promote the expansion of broadband net- the NRP that have a fiscal impact also form works. Public investment has continued to part of the Stability Programme's fiscal increase and rose at a nominal rate of 4.2% strategy and public budget projection. in 2015. This increase was led in particular by higher levels of federal government investment. Federal budget resources targeted towards investment have increased significantly in the years from 2014 to 2016, by a total of €6.6 billion. The federal government has given the green light to another solid increase in the coming year, with investment set to rise from €31.5 billion in 2016 to €33.7 billion in 2017. In 2016, German fiscal policy will have a clearly expansionary impact on the economy. These expansionary policies include, in particular, higher spending on measures to provide humanitarian assistance to and promote the integration of refugees, as well as tax relief for families, single parents and low income earners. In addi-

gree of spending discipline are necessary in tion, the federal government is providing ability to take effective action in the future and local authorities to help them increase and in the case of unexpected events. This their investment in education, research and

Specific federal government measures complying with all European and constitu- 13 April 2016 and will be submitted to the 2016, the federal government reaffirmed its scribes what it is doing to address the eco-Stability Programme for 2016 reflects these my. In this connection, the NRP outlines the progress that Germany has made in (a) im-Another key part of Germany's fis- plementing the country-specific recom-

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2. Aggregate economic conditions in Germany

2.1 Aggregate economic conditions in Germany in 2015

output, the main sectors driving higher do-purchasing power. mestic value added included manufacturing, wholesale and retail trade, transport, hospitality, business services, public services, education and health care. This was reflected, for example, in marked levels of employment growth in these sectors of the

property income. This has had a positive impact on growth, investment and jobs.

The economy's capacities were near full utilisation levels in 2015, i.e. the German The German economy continued to post economy's total output of goods and sersolid growth in 2015. In year-on-year terms, vices was roughly in line with estimated po-GDP grew at a real rate of 1.7% in 2015. This tential output. In this connection, declining reflects the German economy's fundamen- energy and commodity prices boosted agtal healthiness, which has helped drive ro- gregate economic activity by reducing busibust domestic growth. In terms of national ness costs and strengthening household

2.2 Short- and medium-term outlook for the aggregate economy, 2016-2020

economy. Growth in Germany is now no- Current conditions remain conducive to a ticeably more employment-intensive than continued upward trend of the overall econin the past; this development is led by busi- omy in 2016. Wage increases, rising businesses in the services sector. In terms of na- ness profits, favour able financing conditions tional expenditure, household purchasing and a positive outlook for domestic sales are power and private consumption are being likely to lift economic growth this year. In boosted by rising employment and income addition, the outlook for the global econolevels as well as declining energy prices, all my is expected to brighten gradually as well. of which have given the economy added According to the annual projection condynamism. In contrast, foreign trade made tained in the federal government's 2016 Anonly a minor contribution to growth in sta- nual Economic Report, the current level of tistical terms. In terms of national income, economic momentum is expected to remain there have been marked increases in em- unchanged this year. GDP is forecast to exployment income, business income, and pand at a real rate of 1.7% in 2016 - maintaining the same pace as last year.

8031/16 ADD 1 MCS/ah DGG 1A EN gest that economic growth will regain mo-skills to succeed on the German labour marmentum after slowing temporarily in the ket. However, the recent wave of immigrasecond half of 2015. Consumption - both tion will lift aggregate demand in the short private consumption and government con-term; this is expected to lead to higher levels sumption - is expected to be the main driv- of both private and government consumper of aggregate economic growth. The do-tion. mestic economy is likely to be boosted again in 2016 by low oil and energy prices. Lower crease potential output until the longer commodity and energy prices will also play term. The extent of this increase will ultia key role in contributing to the current ac- mately depend on how well they succeed in count surplus.

cautious this year, because the impetus to 2020, the federal government expects GDP invest in business expansion is not strong to grow at inflation-adjusted rates of about enough yet. This will change, however, as 11/2% per year (see Figure 1). During this pesoon as foreign demand starts to increase riod, the output gap is assumed to remain again in the case of an anticipated recov- near zero. Potential growth is expected to be ery of the global economy. The very good fi- driven in equal parts by technological pronancing conditions for companies will then gress (total factor productivity) and by the have a more tangible positive impact on in- inputs of labour and capital. vestment activity. Nevertheless, there is still a high level of uncertainty due to geopolitical risks. These risks are negative factors for export activity as well as for the domestic investment activity of multinational enterprises.

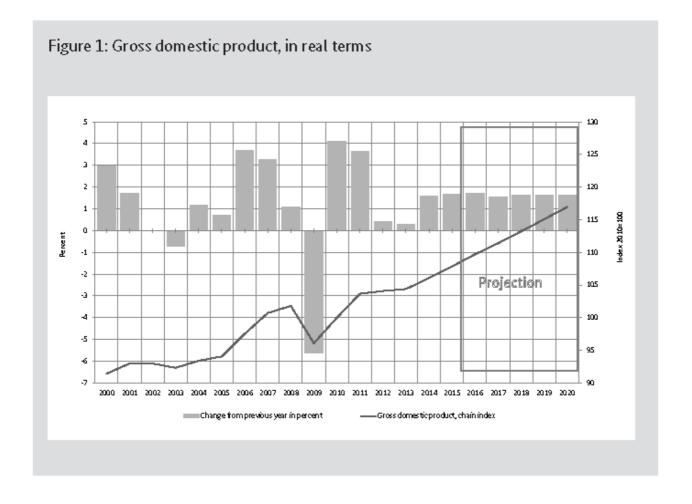
Germany's labour market remains in very good shape. Employment will continue to be boosted by the employment-intensive nature of economic growth in Germany, with total employment forecast to reach 43.4 million on average in 2016 - another record level. Service sector companies in particular are expected to add new jobs. Due to an anticipated slight increase in energy prices, it is expected that consumer and producer prices will climb at a somewhat faster pace in 2016 than they did last year.

It is highly uncertain how the influx of refugees and asylum-seekers will impact the economy, especially since it is impossible at this time to predict the total number of persons who will ultimately seek help. Positive impacts on the labour market are likely to be extremely limited over the short term, since many refugees must first overcome

On the whole, recent economic data sug- language barriers and acquire the necessary

The influx of refugees is unlikely to inbeing integrated into the labour market. In Business investment is likely to remain its medium-term projection up to the year

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3. German fiscal policy in the European context

3.1 The rules of the Stability and Growth Pact and the Fiscal Compact and their implementation in Germany

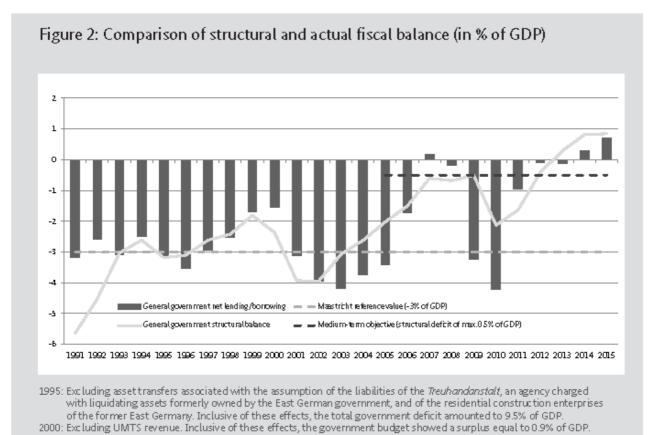
entities) fulfilled the criteria of being close to balance. In 2015, the actual fiscal balance stood at +0.7% of GDP. Figure 2 shows that the general government budget recorded a structural surplus (of 0.8%) again in 2015.

The Stability and Growth Pact requires member states to bring their budgets close to balance over the medium term and to set their own binding targets to this end. The Pact also sets upper limits on budget deficits and debt ratios. Compliance with these targets and limits serves to safeguard the fiscal capacity of each member state in the Economic and Monetary Union. In this way, the Pact requires that all EU Member States pursue stability-oriented fiscal policies as a precondition for ensuring strong, sustainable growth in Europe.

Last year, Germany again complied in full with the rules of the Stability and Growth Pact. On the basis of prudent budget policies, Germany succeeded in keeping its nominal deficit well below the upper limit of 3% of GDP. In 2015, for the fourth year in a row, Germany's general government budget (encompassing the Federation, Länder, local authorities and social security funds, including their off-budget

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by 3.5 percentage points. General govern- commitment. ment debt is thus on a sustained downward

These surpluses in the general govern- Euro Plus Pact, Germany pledged to bring its ment budget have played a key role in re- general government debt-to-GDP ratio beducing the debt-to-GDP ratio. In 2015, the low 70% by 2016. According to the governdebt-to-GDP ratio declined appreciably ment's projection, Germany will fulfil this

Germany is currently subject to the prepath, even though it is still well above 64.9% ventive arm of the Stability and Growth of GDP, the level posted in 2008 when the Pact. Member states subject to measures of global financial crisis started. As part of the the Pact's preventive arm must, over the reforms adopted in 2011 to strengthen the medium term, achieve budgets that are Stability Pact, the EU introduced the "1/20" close to balance or in surplus. To this end, rule" as a way to spur the reduction of ex- they set a medium-term objective (MTO) cessive debt levels. This rule, which is bind- for their general government structural ing on all member states, requires that the budget balance. The structural balance is degap between a member state's debt level and termined by adjusting the nominal balance the 60% Maastricht upper limit be reduced for cyclical and one-off effects. The counby at least 1/20 per year, averaged over the try-specific MTOs are binding minimum remost recent three years. Germany has ful-quirements. Under the Treaty on Stability, filled this requirement for the three-year Coordination and Governance in Economperiod from 2013 to 2015. In addition, as ic and Monetary Union (the fiscal compact), part of its 2015 Action Programme for the member states whose debt ratios exceed

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60% and whose public finances are at risk of being unsustainable over the long term must not post structural deficits exceeding 0.5% of GDP. Accordingly, Germany's Stability Programme adopts this upper limit.

many.

by an independent body. In this connection, omies, and boosting investment. the European Commission pointed out the mission authorities.

Fiscal situation and strate-3.2 gic direction

In its January 2016 conclusions, the ECOFIN The requirements of the Stability and Council welcomed the progress that many Growth Pact's preventive arm also include member states have made in consolidatan expenditure benchmark, which limits ing their public finances. At the same time, permissible increases in government spend-however, it noted that debt levels remain ing for member states that are on the ad-high in most member states and that action justment path towards their MTO or are just—is still needed to ensure the long-term susreaching it. The expenditure benchmark is tainability of public finances. The ECOFIN not binding if a member state outperforms. Council also emphasised that member states its MTO and is not at risk of failing to com- are obligated to comply with the rules of the ply with the MTO throughout the duration Stability and Growth Pact, to establish the of the programme. This is the case for Gernecessary fiscal buffers, and to avoid pro-cyclical fiscal policies. Furthermore, mem-In its opinion (dated 15 June 2015) ber states should target their fiscal and ecoon Germany's most recent Stability Pro- nomic policies towards three key priorities, gramme, the Economic and Financial Affairs which the European Council reaffirmed in Council (ECOFIN) noted that the macroeco- its conclusions of 17-18 March 2015; connomic scenario underpinning Germany's ducting responsible fiscal policies, pursuing budget projections had not been endorsed structural reforms to modernise their econ-

The federal government has taken these need for adjustments to be made in formal- guidelines into account in setting its fiscal ly transposing Regulation (EU) No 473/2013 policy. Germany has succeeded in charting a in order to meet the requirements of the fiscal policy course towards growth and sustwo-pack and the fiscal compact; howev- tainable public finances. This success goes er, it found absolutely no fault in the federal hand-in-hand with the robust performance government's projections. The federal gov- of the German economy. Economic growth ernment is currently reviewing options for is outpacing the growth rate of potential making a suitable adjustment. This is taking output, the German economy is producing place in consultation with European Com- at close to full capacity, and total employment - which now stands at an annualised average of 43 million persons - is at its highest level since German reunification.

> In 2016, German fiscal policy will have a clearly expansionary impact on the economy, due to higher levels of government investment; tax relief for families, single parents and low income earners; rising levels of expenditure by social security funds; and substantially higher spending on measures to provide humanitarian assistance to and promote the integration of refugees. In the current situation, with the German econ-

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omy near full capacity, a more expansion- this path has led to a steady reduction in ary fiscal policy is not advisable from an structural debt and enabled the government economic point of view, because it would to comply with constitutional debt brakereheighten the risks of sectoral and regional quirements by solid margins (see Figure 3). imbalances, overheating, and fiscal instabil- In this way, the course has been set for the ity, which would cause medium- and long- long-term sustainability of public finances. term damage to the economy in both Ger- At the same time, the healthy state of pubmany and the euro area.

the fact that, although low interest rates markets must be viewed as both exceptional structure. and of limited duration. To ensure that public budgets remain on secure footing in the future, governments must adopt fiscal policies that are prepared for the normalisation of global financial conditions.

Against this background, vigilant and forward-looking fiscal policies and a high degree of spending discipline are necessary in order to fully safeguard the government's ability to take effective action in the future and in the case of unexpected events. For this reason, the federal government is committed to the goal of achieving balanced budgets in the years from 2017 to 2020. Already in 2014 and 2015, Germany succeeded in closing its budget without any new borrowing. The 2016 federal budget, which was adopted in November 2015, also refrains from taking on any new debt. Furthermore, the federal government has committed itself to taking on no new debt in subsequent years as well. The federal cabinet reaffirmed this commitment on 23 March 2016 when it adopted its benchmark figures for the 2017 federal budget and the financial plan up to fiscal year 2020. Germany's Stability Programme for 2016 reflects these fiscal policy targets.

By staying on the path towards consolidation, the federal government is reinforcing the domestic sources of economic growth and bolstering the confidence of businesses and private citizens. Moreover,

lic finances has given the federal govern-In addition, fiscal policies that aim to en- ment the leeway to provide targeted tax resure stability must also take into account lief to taxpayers and to further improve the expenditure structure of the federal budget clearly ease the burden on public budgets, by targeting spending towards pro-growth current conditions on capital and financial investment in education, research and infra-

2.5 Reduction path for structural new borrowing, set in 2010 2.0 - Debt brake (0.35% of GDP from 2016 onwards) in % of GDP 1.5 Actual values for 2011 to 2015, target value for 2016, benchmarks for 2017 to 2020; negative values denote surpluses 10 0.66 0.8 0.5 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.350.35 0.34 0.0 0.06 0.04 0.02 0.03 -014 -0.27 -0.5 2011 2012 2014 2016 2017 2018 2019 2020 2013 2015

Figure 3: Change in the Federation's structural deficit (in % of GDP)

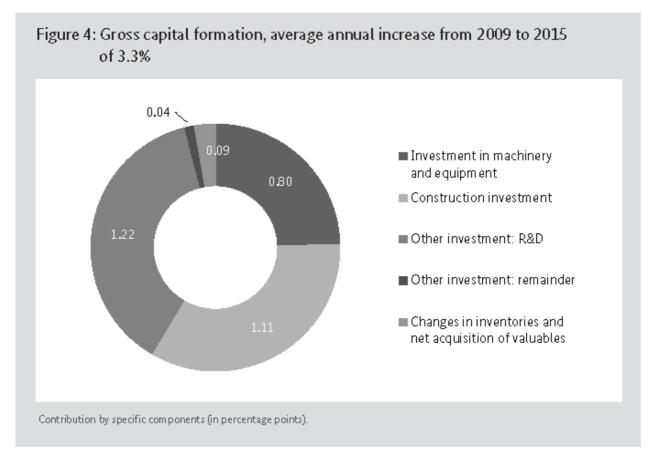
The financial balances of the Energy and Climate Fund, the Aufbauhilfefonds (a special relief fund established to remedy the damage caused by the June 2013 floods in Germany) and the Local Authority Investment Promotion Fund (Kommunal investition sförderungs fonds, a special fund to promote investment at the local authority level), all of which are relevant for determining the Federation's structural deficit, are taken into account for the 2016-2020 projection period.

Fiscal policy measures on the expenditure and revenue side

consolidation, the federal government is in- ernment spending (which grew at a nomicreasing its spending in targeted areas that nal rate of 2.5% per year on average). Govare conducive to economic growth. This fo- ernment gross capital formation even grew cus is in line with the recommendations by 4.2% in 2015, outpacing the increase in contained in the ECOFIN Council's opinion both general government expenditure and (dated 14 July 2015) on Germany's 2015 Sta- nominal GDP (which rose by 3.1% and 3.8%, bility Programme, which called on Germa- respectively). R&D investment continued to my to further increase public investment in make a positive contribution in 2015, while infrastructure, education and research. In investment in machinery and equipment the period from 2009 to 2015, government grew at a particularly fast pace. investment in Germany has risen at a nominal rate of 3.3% per year on average. Invest-

ment in research and development (which is classified under "Other investment") played a key role in driving this increase (see Figure 4). In the period from 2009 to 2015, general government investment increased at a As part of its strategy of growth-friendly substantially faster pace than overall gov-

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The federal government played a key roughly €14.2 billion in 2018.

In Germany, most public investment is role in driving this positive momentum: made by the Länder and local authorities. In first, by increasing investment at the federal order to open up additional scope for publevel, and second, by providing support for lic investment, the federal government deinvestment at the Länder and local authori- cided to provide targeted financial relief to ty levels. In this way, the federal government the Länder and local authorities. During the continues to exert tangible influence on the current legislative period (since late 2013), priorities that are set for public investment. the Federation is providing the Länder and For example, in 2015 the federal govern- local authorities with €6 billion in financial ment increased its investment in transport relief for the purpose of facilitating the exinfrastructure and will continue to do so in pansion and upgrading of pre-school child the coming years. The 2016 federal budget care facilities, schools and higher educaallocates €12.3 billion for transport invest- tion institutions. Also during the current ment, and this amount is poised to rise to legislative period, the Federation is allocating an additional €3 billion to promote research particularly within the framework of the Higher Education Pact, the Pact for Research and Innovation, and the Initiative for Excellence; some of the funding will also go to non-university research centres. Furthermore, the Federation is providing local

8031/16 ADD 1 MCS/ah 18 DGG 1A EN to bolster their institutional capabilities. lation is made. By the end of 2016, the federal government an ongoing basis starting in 2018.

ugees entering Germany, the federal gov-tyto the Länder and local authorities, which ernment adopted the Act to Expedite is to be used for subsidised housing. The Asylum Procedures (Asylverfahrensbeschle- federal government will provide additional unigungsgesetz), which puts in place addi-funding for this purpose from 2017 onwards tional important measures to help mitigate as well. the financial burden on the Länder and local authorities. For example, the federal gov- that it is placing a top priority on providernment increased the share of VAT revenue ing the financing to deliver humanitarithat is allocated to the Länder, a step that an assistance to the large numbers of refuprovided the Länder and local authorities gees and to carry out refugee-related tasks. with an extra €2 billion in revenue in 2015. At the same time, it is aware of the chal-In 2016, the VAT revenue allocated to the lenge that authorities must also pay atten-

authorities with an additional €5 billion in €3.6 billion; this amount includes €350 milthe years from 2015 to 2018; €1.5 billion of lion to help the Länder and local authorities this funding will be used to boost invest- deliver assistance to unaccompanied refment by local authorities in general, while ugee minors, as well as an additional €339 the remaining €3.5 billion will flow into a million to improve care and assistance for special fund for the purpose of promoting—all refugee children. It also includes €2.9 bilinvestment by local authorities with inad- lion as a down-payment by the Federation equate financial resources. Many local au- to the Länder and local authorities for its thorities recently reported that - due to the pledged share of the costs to cover (a) refmultiple challenges associated with provid- ugee assistance and accommodation and ing assistance to refugees - they were hav- (b) additional administrative tasks associing difficulty adhering to the schedules they ated with refugees. The costs are measured had previously set for the planning and im- starting with the registration of refugees plementation of investment projects. Due in and ending with the issuance of a decision part to local authorities' limited capacity to on their asylum application. The remainder carry out complex investment projects, the of the Federation's share of the costs will be federal government is planning to take steps paid in autumn 2016 after a definitive calcu-

The in-migration of refugees is leading will restructure its agency for public-private to a higher demand for housing. In the past, partnerships (ÖPP Deutschland AG) and re-the federal government had stopped provamp the agency's strategy. The aim will be viding federal funding for subsidised housto pool expertise for the purpose of assist- ing, and paid partial financial compensaing local authorities that need help in plan- tion to the Länder instead. Given the current ning and carrying out investment projects, circumstances, the Federation has adoptthereby enabling them to implement such ed legislative provisions to increase these projects as cost-effectively as possible, re- compensation payments; in the years from gardless of which procurement method they 2016 to 2019, the Federation will support choose. Furthermore, the Federation is pro- the Länder with an additional €500 million viding local authorities with an additional per year. During the parliamentary proce-€1 billion in financial relief per year in 2016 dures to pass the 2016 budget, related federand 2017; the federal government plans to all measures were adopted that total approxraise this amount to €5 billion per year on imately €4.2 billion; this includes the higher compensation payments to the Länder as In response to the large number of ref- well as discount-rate sales of federal proper-

The federal government has made clear Länder is being increased by an additional tion to ensuring cost-efficiency, despite the

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ly €700 million to the reserves. Under cur- ing education, research and technology. rent plans, €6.1 billion will be withdrawn policy-makers when they prepare the 2018 nuerecorded a substantial increase in 2015. federal budget. At the same time, it serves as

urgent need for action. In view of the fact ment spending on (a) social benefits oththat significant extra spending - the ulti- er than social transfers in kind and (b) somate amount of which is difficult to pre-cial benefits in kind has increased markedly dict - will be required to receive and accom- at the same time; higher expenditures have modate asylum-seekers and refugees, the been recorded for pensions, health care and federal government set aside €5 billion in long-term care, among other things. Acreserves for this purpose in its second sup- cording to the government's projection, plementary budget for 2015. It was possible social spending will continue to rise at an to increase the amount of these reserves to above-average pace. These expenditure €12.1 billion, thanks to one-off effects that trends must be monitored diligently in orimproved the final budget results for 2015. der to ensure that public budgets are also Bundesbank profits for the financial year still able to target expenditures towards are-2015 added an additional amount of rough- as that are crucial for future growth, includ-

The revenue side of fiscal policy also from the reserves in 2016 to cover the ex- contributes to growth and employment by tra spending that the Federation will have providing a reliable tax policy framework to make in response to the refugee situation. and tax relief. In this area as well, the federal The remaining funds will enable the gov- government is heeding the Council's recomernment to cover further costs in 2017 with- mendations. Germany's tax system is effecout having to take on new debt. No funds tive and fair overall. The federal government from these reserves will be available in 2018. ensures that, in the face of internation-For this reason, under the current financial all competition, the German tax system replan, budget-wide savings of €6.7 billion mains reliable, manageable and competitive. will be required in 2018 in order to ensure. Due to the robust performance of the doa balanced budget with no new borrow- mestic economy in particular, together with ing. This budget-wide savings requirement record employment levels and rising wages serves as a call for corresponding action by and salaries, general government tax reve-

At the same time, the federal governa clear expression of the position held by the ment is boosting business competitiveness entire federal government that, for the years and consumer purchasing power by providahead, the door to new borrowing is closed. ing targeted tax relief. For example, effec-To ensure sound fiscal and budget pol-tive from 2016 onwards, the federal governicies, it is essential not only to address cur- ment is providing citizens with income tax rent challenges but also to identify in ad-relief totalling approximately €5 billion. In vance basic spending trends and their line with the findings of the federal governmedium- and long-term consequences, in ment's 10th report on subsistence levels, the order to facilitate the adoption of appropri- basic personal allowance and the tax allowate measures. For example, the effect of ex- ance for children have been increased for ceptionally low interest rates on debt ser- 2016, as they were last year. In another step vice payments has greatly eased the burden to reduce bracket creep, tax rates were modon government budgets. These lower costs ified by a total of just under 1.5% from 2016 played a role in further reducing Germany's onwards in order to account for the projectratio of general government spending to edinflation rates for 2014 and 2015 as fore-GDP, which declined again in 2015 to 43.9%. cast in the federal government's 2015 spring However, this cannot allow policy-makers projection To help families that do not bento lose sight of the fact that general govern- efit from the tax allowance for children, the

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more, the amount of tax relief for single par- chgesetz) in late 2015. ents was increased and scaled according to the number of children.

the federal government will take care to im- Länder, it plans to restructure and modernplement the requirements stipulated by the lise workflows in the tax administration with Federal Constitutional Court in its deci- the aid of new technologies. To this end, on federal government aims to establish rules ed a draft bill to modernise taxation procethat are in conformity with the constitution dures. The new law is to enter into force on and that simultaneously take into account 1 January 2017; necessary secondary measthe needs of small and medium-sized busi- ures are expected to be implemented withness, without fundamentally altering the tax in six years. model. This is intended to ensure smooth generational transitions within companies 3.4 and to safeguard jobs.

Another major tax policy objective for the federal government during the current legislative period is to enact measures to combat cross-border profit-shifting by mul- The federal government's fiscal policy strattinational companies. To this end, it is work- egy and the measures described above ading together actively with its G20 partners dress the country-specific fiscal policy recto further develop international standards ommendations issued by the Council on 14 it-shifting (BEPS) project. A focal point of Germany take action to increase public inthese efforts is to improve coordination be-vestment in infrastructure, education and tween national tax systems, in order to close research; to improve the conditions for pritax loopholes and to prevent harmful tax vate investment; to ensure adequate public competition between countries.

advancing the global standard on automatic especially for low-wage earners. exchange of financial account information. On 29 October 2014, 50 countries signed a binding treaty on this issue. The automatic exchange of information (AEOI) will start in mid-2017; the aim is to establish AEOI as an international standard for the purpose of curtailing tax flight and tax evasion by eliminating banking secrecy. Within the EU, the new standard is being implemented on the basis of the Mutual Assistance Directive (Council Directive 2011/16/EU), which was revised in December 2014. In Germany, the directive was transposed into national law

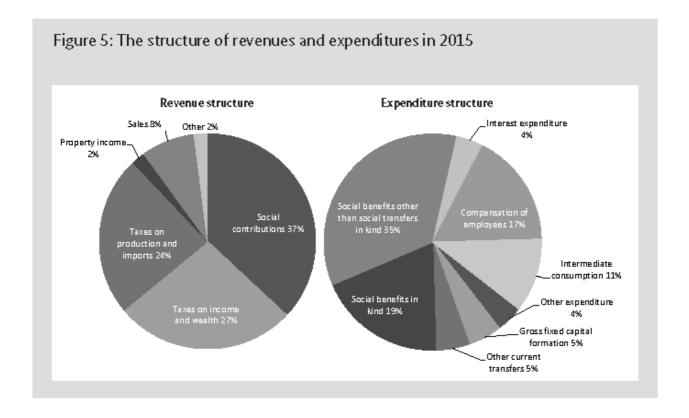
government increased child benefit pay- through the adoption of the EU Mutual Asments again in 2016. In addition, the child sistance Act (EU-Amtshil@gesetz) and the Act supplement for low-income families will be on the Exchange of Financial Account Inforincreased from July 2016 onwards. Further- mation (Finanzkonten-Informationsaustaus-

Finally, the federal government also aims to further improve the efficiency of the Ger-In its revision of inheritance and gift tax, man tax administration. Together with the sion of 17 December 2014. To this end, the 9 December 2015, the federal cabinet adopt-

Implementation of country-specific fiscal policy recommendations

as part of the OECD's base erosion and prof-July 2015. The Council recommends that investment also at the Land and local au-Furthermore, Germany is committed to thority level; and to reduce the tax wedge,

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In its country report on Germany, which gramme (NRP), which was adopted by the Euro Plus Pact. federal cabinet on 13 April 2016, contains a detailed description of the measures that the federal government is taking to address these challenges and to put the Council's country-specific recommendations into action. The 2016 NRP also reports on (a) the progress that has been achieved and the measures that have been adopted within the context of the Europe 2020 Strategy as well as (b) the implementation of the voluntary commitments set out in Germany's 2015 Action Programme for the Euro Plus Pact, which the federal government approved on 25 March 2015.

By carrying out successful policies to was published on 26 February 2016, the consolidate public budgets, including the European Commission confirms Germa- substantial reduction in the general govmy's progress in addressing the 2015 coun- ernment debt-to-GDP ratio, and by taking try-specific recommendations. The Com- the above-cited measures to boost public mission also describes the economic investment, Germany has fulfilled the volchallenges that Germany continues to face. untary fiscal policy commitments set out in Germany's 2016 National Reform Pro- Germany's 2015 Action Programme for the

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General government budget balance and debt level: projection to 2020

0.5% of GDP as its MTO. This fulfils Euro- able labour market conditions as well as (b) pean rules1 requiring general government the fact that domestic demand, which is budgets that are close to balance.

4.1 Trends in general government revenue and expenditure

Revenue ratio will remain stable

positive result was driven in particular by good conditions on the labour market, with tax revenue and revenue from social secu-4.0%, respectively. The tax-to-GDP ratio grew from 22.6% to 22.8%.

In the projection period to 2020, tax rev-place in 2017. enue is expected to keep growing at a somewhat faster pace (just over 3.5% per year on other government revenue such as revenue average) than nominal GDP (3.3% per year). from business activities and fees - is pro-Accordingly, the tax ratio is expected to rise jected to stabilise at around 441/2% of GDP in to approximately 23% of GDP by 2020. This the coming years.

Germany has set a structural balance of is due both to (a) rising incomes and favourmore tax-intensive, will make a larger contribution to aggregate economic activity than net exports. The year 2016 will be an exception here, because income tax relief measures will lead to a below-average increase in tax revenue.

Revenue from social security contributions rose slightly on the year in 2015, to 16.6% of GDP. While the contribution rate Revenue posted dynamic growth in 2015, for general pension insurance was reduced rising by 3.9% in year-on-year terms. This by 0.2 percentage points, the contribution rate for long-term care insurance was increased by 0.3 percentage points. The medium-term budgetary projection also takes rity contributions increasing by 4.7% and into account the additional 0.2 percentage point increase in the contribution rate for long-term care insurance that will take

The revenue ratio - which also includes

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Where not otherwise specified, all data contained in this projection are based on the definitions laid down in the 2010 European System of Accounts (in accordance with Regulation (EU) No. 549/2013) and encompass core budgets and offbudget entities.

Table 1: Trends in the government revenue ratio

	2015	2016	2017	2018	2019	2020
			in % d	of GDP		
Taxes	22.8	22 3/4	23	23	23	23
Social contributions	16.6	16 ¾	16 ¾	17	17	17
Taxes & social contribu- tions	39.4	39 ½	39 ¾	40	40	40
Total revenue						
April 2016 Update	44.6	44 1/2	44 1/2	44 1/2	44 1/2	44 1/2
April 2015 Update	44 1/4	43 ¾	44	44	44	-

Differences between (i) the total tax ratio and (ii) the sum of the tax ratio and the social contribution ratio are due to rounding; Figures for the projection period are rounded to 1/4 percentage points of GDP

2.9% in 2015. This increase was driven again by expenditures on social benefits (i.e. social benefits other than social transfers in kind as well as social benefits in kind), which grew by 4.4% on the year. Interest payments, which declined by 5.7% on the year, had a strong dampening effect on expenditure trends.

During the projection period, general government expenditure is expected to increase by roughly 31/2% per year on average, with government consumption rising at a somewhat faster rate of 4% per year. Trends in public finances will be influenced by a number of social policy measures that the federal government has adopted during the current legislative period, such as an increase in housing benefits; funding for a recently adopted, more flexible form of

Government expenditure increased by instruments. As a consequence, total social spending (i.e. social benefits other than social transfers in kind as well as social benefits in kind) will increase at an above-average pace, rising from 23.8% of GDP in 2015 to 24.7% of GDP by the end of the projection period (or from 54.3% of total government expenditure in 2015 to 55.7% by the end of the projection period).

The successes achieved in terms of consolidation benefit Germany in a variety of ways - for example, by reducing the debtto-GDP ratio, which still exceeds the reference value of 60% of GDP, and by enabling targeted investments to maintain, upgrade and expand public infrastructure for the purpose of boosting economic growth. Overall, general government investment during the period from 2015 to 2020 is expected to rise by 43/4% per year on average, parental benefits; full pensions under cer- which means that investment will grow at tain conditions starting at age 63; pension a higher rate than total government spendincreases for mothers with children born ling. In this way, long-term trends will conbefore 1992; improved pensions for per- tinue, but at an even faster pace: during the sons with reduced earning capacity; and in- period from 2005 to 2015, public investment creased funding for labour market policy rose by 4.1% per year on average - at a high-

er rate than expenditure, revenue, and GDP Promotion Fund (Kommunalinvestitions- tional VAT revenue. förderungsfonds), the Federation has created an instrument that will help local authori-

The large numbers of refugees coming during the same period. In recent years, the to Germany are having a perceptible im-Federation has on multiple occasions, and pact on the general government budget. In using a variety of instruments, taken steps 2015, just under 1.1 million refugees were to set the conditions for a sustained increase registered in the EASY system. According to in public investment. The benchmark fig- current estimates, costs associated with refures for the draft federal budget and finan- ugee-related immigration are expected to cial plan, which were adopted on 23 March require - compared with 2014 - addition-2016, provide for the continuation of the albudgetary resources totalling 1/2% of GDP government's programme of future-orient- per year in 2016 and 2017. All government ed investments and enable additional in- levels will cover additional costs due to the vestment spending, particularly in the area refugee situation. However, the federal govof public infrastructure. In addition, in re- ernment is giving additional support to the cent years and on numerous occasions, the Länder and local authorities to help them Federation has helped the Länder and local—accommodate and provide care to refugees. authorities to cover the costs of social bene- The Federation has intensified its financial fits, thereby freeing up Länder and local au- efforts substantially for 2016. In addition to thority budget funds for increased invest- extra social spending, the Federation is easment, among other things. Furthermore, by ling the financial burdens of the Länder and setting up the Local Authority Investment local authorities by allocating them addi-

Table 2: Trends in the government expenditure ratio

	2015	2016	2017	2018	2019	2020		
	in % of GDP							
April 2016 Update	43.9	44 1/2	44 1/2	44 1/2	44 1/2	44 1/2		
April 2015 Update	44	43 3/4	433/4	43 3/4	43 1/2	-		

Figures for the projection period are rounded to 1/4 percentage points of GDP.

ties with inadequate financial resources to invest more money in public infrastructure. to outpace the nominal growth rate of GDP, Consequently, fiscal consolidation has not the expenditure ratio is expected to rise to been carried out at the expense of invest- $44\frac{1}{2}$ of GDP in the short term and stabilise ment; on the contrary, successful consoli- at this level over the course of the projection dation policies have made it possible to in- period (see Table 2). crease investment.

Since expenditure trends are projected

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4.2 Trends in the government budget balance

Fund and the Energy and Climate Fund and to set aside reserves needed to manage the in the coming years.

Two new priorities in this year's federal budget include (a) measures in connection. All government levels avoided deficits with the influx of refugees and (b) internal and external security. To manage the influx of refugees, measures and funding will be Positive fiscal balances at all levels of govtargeted towards language instruction, in- ernment contributed to the general govtegration programmes, the Federal Office ernment budget surplus that was achieved for Migration and Refugees, and the feder- in 2015. This is the first time since German al police.

in the coming years. Factors that will have a mitigating impact on the general government budget balance include the stable up-The budget surplus of 0.7% of GDP in 2015 swing of the German economy - which will has enabled the Federation to put funds into go hand-in-hand with stable revenue trends the Local Authority Investment Promotion - and sustained low interest rates for the refinancing of government debt.

Taking these adverse and mitigating factasks in connection with receiving and ac- tors together, the government budget is excommodating refugees and asylum-seekers pected to remain close to balance over the further course of the projection period.

reunification that such an outcome has been achieved (after revision of the previ-

Table 3: Trends in the general government balance

	2015	2016	2017	2018	2019	2020		
	in % of GDP							
April 2016 Update	0.7	0	0	0	0	0		
April 2015 Update	1/4	0	1/4	1/4	1/2	-		

Figures for the projection period are rounded to 1/4 percentage points of GDP.

on the general government budget balance posted a surplus of 0.3% of GDP, while the in 2016 and in subsequent years are the in- Länder and local authorities each recorded creasing outflows of funds from (a) the Lo-surpluses of 0.1% of GDP. The social security cal Authority Investment Promotion Fund funds generated a surplus for the sixth year and the Energy and Climate Fund and (b) in a row in 2015. the reserves to cover the costs of tasks associated with the reception and accommodation of refugees and asylum-seekers. Thanks to consistent budget consolidation policies at all government levels, the Länder and local authorities are also well-equipped to manage the financial challenges posed by the influx of refugees. The social security funds will draw gradually on their reserves

Factors that will have an adverse impact ous year's results). In 2015, the Federation

The federal government's projections proceed from the assumption that the Fed- expected to be balanced, or to post minor eration, Länder and local authorities will deficits, in the years from 2016 to 2020. Surfurther reinforce their consolidation suc- pluses in recent years, especially in the statcesses in the years up to 2020. This is illus- utory pension and health insurance funds, trated at the federal level by the bench- allowed these systems to build up large fimark figures for the financial plan to 2020, nancial reserves. As long as deficits in the which the federal cabinet adopted on 23 pension insurance system can be financed March 2016; these benchmark figures pro- by drawing on reserves, increases in contriwide for federal budgets (in cash terms) that bution rates will not be necessary. require no new borrowing whatsoever. With very few exceptions, every government level is expected to achieve balanced budgets in the coming years. A small deficit is expected at the federal level in 2016 due to the above-described factors; and in 2018, additional financial relief provided by the Federation is expected to lead to a surplus at the local authority level, while causing a corresponding deficit at the federal level.

The budgets of social security funds are

Table 4: Budget balances according to government level

	2015	2016	2017	2018	2019	2020
			in % o	f GDP		
Central government	0.3	-1/4	0	-1/4	0	0
State government	0.1	0	0	0	0	0
Local government	0.1	0	0	1/4	0	0
Social security funds	0.2	0	0	0	0	0
General government	0.7	0	0	0	0	0

Figures for the projection period are rounded to 1/4 percentage points of GDP.

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4.3 Trends in the general government structural balance

Compliance with the medium-term budgetary objective will be achieved even in the face of current challenges

EU method. Furthermore, one-off effects Pact. are not taken into account in the structural balance; for the projection period, this applies in particular to proceeds from the spectrum auction in 2015. The cash proceeds received last year are reflected in the balance of national accounts during the first year when individual licences can be effectively used; they are consequently treated as one-off effects and the structural balance is adjusted accordingly.

According to the projection, Germany's structural balance will remain balanced throughout the entire projection period, with an output gap close to zero. This means that Germany will meet its medium-term budgetary objective throughout the entire 2016-2020 period. The appreciable decline in the structural balance to 0% Since 2012, Germany has complied with its of GDP in 2016 shows that Germany's fiscal medium-term budgetary objective of a gen- policy is having an expansionary impact on eral government structural deficit no high- the economy. Because Germany continues er than 0.5% of GDP. Last year, the structural to meet its medium-term budgetary objecbalance for the Federation, Länder, local au- tive by a comfortable margin, the expendithorities and social security funds was 0.8% ture benchmark under Article 5 of Council of GDP. To determine the structural balance, Regulation (EC) No 1466/97 is not binding. the nominal balance is adjusted for cyclical in accordance with the Specifications on the influences in accordance with the common implementation of the Stability and Growth

Table 5: Structural balance compared with actual balance and GDP trend

	2015	2016	2017	2018	2019	2020
Structural balance (% of GDP)	0.8	0	0	0	0	0
Actual balance (% of GDP)	0.7	0	0	0	0	0
Real GDP (% change yoy)	1.7	1.7	1.5	1.6	1.6	1.6

Figures for the projection period are rounded to 1/4 percentage points of GDP.

4.4 Sensitivity of budget balance projection

narios for what would occur as a result of lity and Growth Pact.

- the budget balance would remain at +34% of GDP in 2016 and would increase in subsequent years. The negative alternative scenario - that is, if actual GDP growth were Sensitivity analyses can provide indicators half a percentage point lower than the baseof how a projected budget balance could be line scenario - would, in purely statistical affected in the event of deviations from the terms, produce general government budget macroeconomic assumptions. The mod-deficits from 2016 onwards; however, such el used to analyse the sensitivity of the deficits would be considerably smaller than budget balance thus takes into account the the reference value of 3% of GDP. The senpossibility that the underlying macroeco-sitivity analysis shows that Germany's govnomic assumptions may change. The sensi-ernment budget is well-poised to continue tivity analysis looks at two alternative sce- complying with the guidelines of the Stabil-

Table 6: Sensitivity of the projection for the general government budget balance

	2015	2016	2017	2018	2019	2020		
GDP trends according to	- general government budget balance in % of GDP -							
- baseline scenario	0.7	0	0	0	0	0		
- alternative scenarios								
• -½ pp p.a. compared to baseline		-1/2	-1 1/2	-1	-1	-1/2		
• +½ pp p.a. compa- red to baseline		3/4	1 ½	1 1/4	1	1/4		

Figures for the projection period are rounded to 1/4 percentage points of GDP.

(1) a 1/2 percentage point reduction or (2) a 1/2 percentage point increase in the real GDP growth rate in the years from 2016 to 2020. All other assumptions remain the same, e.g. it is assumed that the GDP deflator and GDP composition remain constant vis-à-vis the baseline scenario. In addition, it is assumed that government revenue and expenditure will respond to the GDP scenarios in a manner consistent with their long-term elasticity. The budget semi-elasticity used in the European budgetary surveillance process is applied for such purposes. Under the positive alternative scenario - that is, if actual GDP growth were to exceed the federal government's annual projection (the baseline scenario) by half a percentage point per year

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4.5 Trends in debt levels

by another 3.5 percentage points. Never- end of the projection period. theless, the debt-to-GDP ratio remains well when the global financial crisis began.

points to 681/4% of GDP. The share of measures to combat the effects of the European After decades of rising debt-to-GDP ratios, sovereign debt crisis is projected to decline successful consolidation policies have con- to 2.8% of GDP in the coming years, while tributed to the necessary reversal of this the share of measures taken to address the trend. The debt-to-GDP ratio has declined global financial crisis is expected to fall to consistently since 2013 (see Figure 6). It fell 6.3% of GDP during this period. Due to the by 2.4 percentage points to 77.2% of GDP in favourable current situation, the debt-to-2013 and by 2.5 percentage points to 74.7% GDP ratio is expected to decline on a conin 2014. By the end of 2015, it had declined tinuous basis to approximately 591/2% by the

This would mean that the debt-to-GDP above the Maastricht reference value of 60% ratio would fall to below 60% in the year and is still above the 2008 level of 64.9%, 2020, thereby achieving one of the key objectives contained in the coalition agree-

Table 7: Trends in the debt-to-GDP ratio

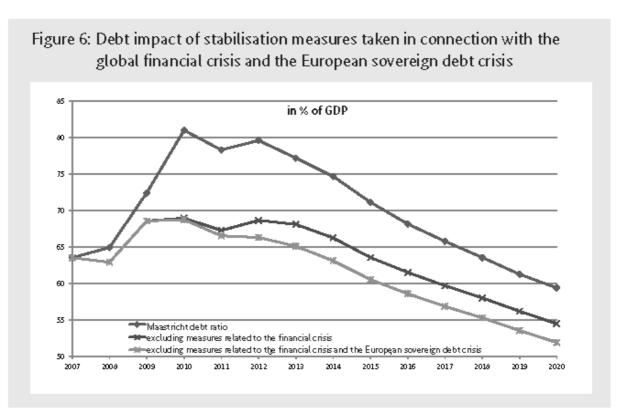
	2015	2016	2017 Debt ratio ii	2018 n % of GDF	2019	2020
April 2016 Update	71.2	681/4	65 ¾	63 ½	61 1/4	59 ½
April 2015 Update	71 ½	68 1/2	66	63 1/2	61 1/2	-

Figures for the projection period are rounded to 1/4 percentage points of GDP.

The decline in the debt ratio is due large- ment-between the current governing parly to the positive development of public ties. The target of reducing the debt ratio budgets; at the same time, the resolution to below 70% of GDP - in accordance with authorities set up during the global finan- Germany's commitment as part of its 2015 cial crisis (FMS Wertmanagement and Er- Action Programme for the Euro Plus Pact ste Abwicklungsanstalt) continue to wind will be reached already in 2016. down their portfolios successfully. The share of the Maastricht debt ratio attributable to measures taken to address the financial crisis declined by 1.1 percentage points to 7.1% in 2015. The share of debt attributable to measures to combat the European sovereign debt crisis remained constant in year-onyear terms at 3.1% of GDP.

The ongoing winding down of the resolution authorities' portfolios and the good condition of public budgets will continue to have a favourable impact on the debt ratio. This ratio is expected to continue its decline in 2016, falling by roughly 3 percentage

Figure 6 illustrates the impact that measures taken in connection with the financial crisis and the European sovereign debt crisis have had on the development of Germany's debt-to-GDP ratio (Maastricht definition). Beginning in 2008, the debt ratio increased considerably as a result of measures to combat the financial crisis. The winding down of these measures is playing a key role in reducing the debt-to-GDP ratio. At the same time, measures related to the European sovereign debt crisis have led to a substantial increase in debt levels since 2012. However, when adjusted for these crisis-related effects, Germany's debt-to-GDP ratio has declined markedly since 2010 and will fall below the reference value of 60% already in 2016, thanks to the government's fiscal consolidation strategy and the favourable performance of the aggregate economy.



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Long-term fiscal sustainability and quality of public finances

5.1 Challenges to the sustaina- 5.2 bility of public finances

Fiscal policies that are geared towards longterm sustainability must take into account. Public budgets face the pressure of adapting and over will rise.

The federal government is taking targeted action to address the challenges of demographic change and the associated fiscal tasks. In this connection, the federal cabinet resolved on 2 September 2015 to refine and strengthen its demographic strategy ("Every age counts: greater prosperity and better quality of life for all generations") before the government's next demography summit takes place in early 2017.

Government revenue and expenditure from a longterm perspective

the risks that could constrain the state's fu-to conditions that are undergoing long-lastture capacity to take effective policy action. ing change. As the population ages, age-re-Already today, Germany's public budget ex- lated spending will increase in proportion penditures and social security spending are to GDP. Furthermore, as the number of penbeing driven by the forces of demograph-sioners rises while the number of persons ic change - the main feature of which is the paying into the social security system deageing of the population. This trend will clines, public revenue will trend downwards. continue for the foreseeable future. Accord- Once in every legislative period, the Federing to the forecasts contained in Germany's al Ministry of Finance submits a report on 13th coordinated population projection, the the sustainability of public finances, which share of the working-age population will serves an "early warning system" for a fordecline while the share of persons aged 65 ward-looking fiscal policy. The most recent report was published on 17 February 2016.

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The projections underlying the report's consolidation would be required today in adopt budgets containing no new debt. order to balance out all future expenditures (including accumulated government debt) against expected revenues. If this balance 53 were to be achieved in a single step today, Germany's fiscal balance would have to be improved by an amount ranging from 1.2%

ing population projection.1

generations in Germany, it is likely that the population impact of higher future birth rates would be too small to make a significant contribu- important reforms to the statutory pension tion towards reducing the sustainability gap insurance system - such as the phased inby 2060.

Positive effects are more likely to be analysis are based on long-term scenari- achieved if more women and older peoos that map out trends in public finances, ple enter or remain in the labour market. under the assumption that current policies. Lengthening people's effective working lives remain unchanged. The core indicators de- would likewise have positive effects. Apart rived on this basis provide information on from this, the long-term analysis contained the extent to which action needs to be tak- in the report also confirms that the consolien today in order to ensure sound public dation of public budgets in recent years has finances over the long term. One of these had a positive impact on the sustainability indicators is the "sustainability gap". The of public finances in Germany. This shows sustainability gap indicates how much fiscal that, as society ages, it is reasonable policy to

Measures to ensure longterm sustainability

to 3.8% of GDP, depending on the underly- By introducing constitutional rules limiting government debt - known as the "debt The sustainability gap may be smaller if brake" - Germany established a solid framedemographic trends turn out to be more fa- work for sound long-term fiscal policy. Advourable than expected. For example, im- ditional key conditions for ensuring sustainmigration could have a favourable impact if able finances include sustainably financed immigrants are able to gain a quick foothold social security systems as well as structurin the lab our market. Immigrants do not pay al measures to promote higher labour force taxes and social security contributions until participation rates. To this end, the federal they successfully take up employment, and government has taken a number of measit is only at this point that they can make a ures in recent years to improve the balance positive contribution towards reducing the between work and family life, to boost insustainability gap. But immigration alone vestment in education and research, and to cannot reverse demographic trends in Ger- improve education/training and the recruitmany. At best, the ageing of society can be ment of skilled labour. Nevertheless further slowed by sustained higher birth rates. How-structural reforms are necessary in order ever, after decades of smaller successive to counteract the fiscal effects of an ageing

> In recent years, Germany has carried out crease of the standard retirement age to 67 - which have substantially improved the long-term financing of the public pension system. In order to ensure that the financial effects of the reforms are spread fairly across the younger and older generations, German pension law has established (a) upper limits to the contribution rates paid by individual workers and (b) guaranteed minimum pen-

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In the report, long-term projections look at age-related spending in the following categories: pensions, health care, long-term care, unemployment benefits, education and family benefits. In the base year of 2014, this spending stood at 25.8% of GDP and accounted for approximately 60% of all public spending. By the year 2060, assuming no change in underlying conditions, age-related spending will increase by 3.3 to 6.9 percentage points to 29.1% to 32.7% of GDP.

sion payment levels. By enacting legislation to improve pension benefits, the federal government has fulfilled the social policy commitments set out in the coalition agreement between the current governing pardren born before 1992.

In this way, the legally prescribed upper limwill be allocated to the fund for a period of plan to 2020. 20 years. From 2035 onwards, money will be bilising contribution rates.

Measures to increase the effectiveness and efficiency of public revenues and spending

ties. Measures include (a) full pensions un- In order to deploy scarce financial resourcder certain conditions starting at age 63 and es in a way that promotes economic growth, (b) pension increases for mothers with chil- measures are needed to improve the quality of public finances while simultaneously Looking at the long term, people who paying increasing attention to sustainabilpay into the statutory pension insurance ity criteria. In particular, subsidies are subsystem must not be overwhelmed by de- ject to regular review in accordance with the mography-induced increases in pension federal government's subsidy policy guidepayments. For this reason, starting in 2019, lines. The federal government's 25th Subsidy the Federation will allocate additional funds. Report, published in August 2015, contains a to the system, in order to stabilise pension first-ever sustainability review. This underfund revenue. This extra funding will start scores the federal government's intention out at €500 million in 2019, rising in year- to ensure that its subsidy policies are geared ly increments to roughly €2 billion in 2022. more towards the principle of sustainability.

The federal government also aims to its to contribution rates and the guaran- improve the effectiveness of the federal teed minimum pension payment levels pre-budget. To this end, spending reviews - i.e., scribed by law are to be maintained. In the analyses of both the revenue and expendarea of health care, legislation to enhance iture sides of the budget - will be added to the financial structure and quality of the the government's budget process. These restatutory health insurance system has fixed views will analyse in particular whether the employer share of contributions at 7.3% budget resources actually achieve their inof gross wages and salaries, thereby ensuring tended objectives and whether this takes that the health care system is financed in a place in accordance with the principles of way that is conducive to employment. In the sound financial management. The first rearea of long-term care, the federal govern- view cycle has been concluded successfully, ment established a long-term care reserve and the government will take the findings fund at the beginning of 2015. Revenue into account when it prepares the 2017 fedamounting to 0.1 contribution rate point eral budget and the medium-term financial

In the areas of health care and longdrawn from the fund for the purpose of sta-term care, reforms have taken effect that will help improve the quality and efficiency of the health care system over the medium and long term. For example, by adopting the E-Health Act (E-Health-Gesetz), which entered into force in 2016, the federal government is promoting digital networks in the health care system and modernising the legal framework for a reliable telematics infrastructure. The increasing use of digital technology in the health care system can help enhance both efficiency and the quali-

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ty of care. The Hospital Structure Act (Krankenhausstrukturgesetz) aims to facilitate the shift towards more efficient, needs-based, patient-centred and high-quality health care structures. A €500 million structural fund is being established for this purpose. Adding to this an equivalent contribution by the Länder will result in a total of €1 billion that can be used to reduce excess capacity in hospitals and to promote hospital specialisation.

With the adoption of the Second Act to Enhance Long-term Care (Pflegestärkungsgesetz II), the federal government is introducing a new definition of the need for long-term care and expanding the law governing long-term care benefits. The new legislation will also lead to improved assessments of patients' long-term care needs, with the aim of improving the effectiveness of long-term care insurance expenditures. The new framework also aims to reduce bureaucracy - in particular by curtailing the documentation requirements for long-term care - for the purpose of cutting costs and making long-term care insurance expenditures more targeted and efficient.

Further information on individual measures can be found in the National Reform Programme.

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Table 8: Forecast of macroeconomic trends1

		2015	2015	2016	2017	2018 to 2020 (4)				
	ESA Code	Index 2010=100		% chan	ge p.a.					
1. Real GDP, chain index	B1g	107.85	1.7	1.7	1.5	1 3/4				
2. GDP in respective market prices (€bn)	B1g	3025 <i>9</i>	3.8	3.4	3.3	3 1/4				
Real utilisation of GDP, chain index										
3. Private consumption expenditure (2)	P.3	105.96	1.9	19	1.5	1 3/4				
4. Government consumption expenditure	P.3	107.24	2.4	3.5	2.4	1 3/4				
5. Gross fixed capital formation	P.51	111.36	2.2	2.3	2.6	1 3/4				
6. Changes in inventories (GDP growth contribution) (3)	P.52 + P.53	-	-0.4	0.0	0.0	0				
7. Exports	аq	123.93	5.4	3.2	4.3	4 1/2				
8. Imports	P.7	120.67	5.8	4,8	5.7	5 1/4				
Contributions to real GDP growt	h (3)									
9. Final domestic demand		-	1.5	2.1	1.8	1 ½				
10. Changes in inventories and net acquisition of valuables	P.52 + P.53	-	-0.4	0.0	0.0	0				
11. External balance of goods and services	B.11	-	0.2	-0.4	-0.2	0				

^{(1) 2015:} Federal Statistical Office: As of: February 2016
2016 and 2017: results of the short-term forecast for the 2016 Annual Projection, January 2016
2018 to 2020: results of the medium-term forecast for the 2016 Annual Projection, January 2016
(2) Including private non-profit organisations without a commercial purpose
(3) Contribution to GDP growth rate
(4) Values rounded to 1/4

Table 9: Price developments - Deflators¹

		2015	2015	2016	2017	2018 to 2020 (3)
	ESA Code	Index 2010=100		% chan		
1. GDP		108.74	2.1	1.7	18	1 3/4
2. Private consumption expenditure (2)		106.59	0.6	1.1	1.6	1 1/2
3. Public consumption		110.89	1.6	1.8	2.6	1 3/4
4. Gross capital formation		108.47	1.3	1.5	1.7	1 3/4
5. Exports		105.08	1.0	0.5	0.7	1 1/4
6. Imports		102.59	-1.6	-0.5	0.7	1 1/4

 ⁽¹⁾ Federal Statistical Office: As of: February 2016
 2016 and 2017: results of the short-term forecast for the 2016 Annual Projection, January 2016
 2018 to 2020: results of the medium-term forecast for the 2016 Annual Projection, January 2016
 (2) Including private non-profit organisations without a commercial purpose
 (3) Values rounded to ¼



Table 10: Labour market trends¹

	ESA Code	2015	2015	2016	2017	2018 to 2020 (7)
		Level		% change p.a.		
1. Employment, persons (domestic) (2) (m)		43.0	0.8	0,9	0.7	1/4
2. Employment, hours worked (3) (bn hours)		59.0	1.1	1.1	0.5	0
3. Unemployment rate (4) (%)		-	4.3	4.5	5.0	5 1/4
4. Labour productivity (5) (2010=100)		102.8	0.9	8,0	8.0	1 1/2
5. Labour productivity (6) (2010=100)		104.2	0.6	a.0	1.0	1 1/4
6. Compensation of employees (€bn)	D.1	1540.3	3.9	3,6	3.5	3
7. Compensation per employee (thousand €)		39.8	2.7	2.4	2.6	2 3/4

^{(1) 2015:} Federal Statistical Office: As of: February 2016 2016 and 2017: results of the short-term forecast for the 2016 Annual Projection, January 2016 2018 to 2020: results of the medium-term forecast for the 2016 Annual Projection, January 2016

²⁰¹⁸ to 2020: results of the medium-term forecast for the 2016 Annual Projection, January 2016
(2) Employed persons, domestic concept
(3) National accounts definition
(4) Unemployed (ILO) / labour force
(5) Real GDP per person employed (domestic)
(6) Real GDP per hour worked
(7) Values rounded to 1/4; unemployment rate: value displayed is value for last year of forecast (2020)

Table 11: Sectoral balances¹

	ESA Code	2015	2016	2017	2018 to 2020 (2)
			% of	GDP	
Net lending/borrowing vis-à-vis the rest of the world	B.9	3.8	8.5	8.1	7 1/2
of which:					
- Balance on goods and services		7.8	7.6	7.2	7
2. Net lending/borrowing of households	B.9	4.8	4.6	4.3	4 1/4
Net lending/borrowing of general government		0.7	0	0	0
4. Statistical discrepancy		-	-	-	-

 ^{(1) 2015:} Federal Statistical Office: As of: February 2016
 2016 and 2017: results of the short-term forecast for the 2016 Annual Projection, January 2016
 2018 to 2020: results of the medium-term forecast for the 2016 Annual Projection, January 2016
 (2) Values rounded to 1/4; value for last year of forecast (2020)



Table 12: General government budgetary prospects

	FC+ C .	2015	2015	2016	2017	2018	2019	2020				
	ESA Code	€bn			% of (GDP						
	ı	Net lending (EDP B.9) by	sub-sector								
1. General government	S. 13	21.2	0.7	0	0	0	0	0				
2. Central government	S. 1311	10.0	0.3	-1/4	0	-1/4	0	0				
3. State government	S. 1312	2.3	0.1	0	0	0	0	0				
4. Local government	S. 1313	4.1	0.1	0	0	1/4	0	0				
5. Social security funds	S. 1314	4.8	0.2	0	0	0	0	0				
General government (S.13)												
6. Total revenue	TR	1.349.9	44.6	44 1/2	44 1/2	44 1/2	44 1/2	44 1/2				
7. Total expenditure	TE(1)	1.328.7	43.9	44 1/2	44 1/2	44 1/2	44 1/2	44 ½				
8. Net lending/borrowing	B.9	21.2	0.7	0	0	0	0	0				
9. Interest expenditure	D. 41	48.5	1.6	1 1/2	1 1/4	1 1/4	1 1/4	1 1/4				
10. Primary balance (2)		69.8	2.3	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4				
11. One-off and other tem- porary measures (3)		0.5	0.0	0	0	0	0	0				
	5	elected cor	n ponents o	of revenue								
12. Total taxes (12=12a+12b+12c)		690.9	22.8	22 3/4	23	23	23	23				
12a. Taxes on produc- tion and imports	D.2	326.1	10.8	10 3/4	10 ½	10 ½	10 ½	10 ½				
12b. Current taxes on income, wealth, etc	D.5	364.7	12.1	12	12 1/4	12 1/2	12 ½	12 3/4				
12c. Capital taxes	D.91	0.0	0.0	0	0	0	0	0				
13. Social contributions	D.61	501.2	16.6	16¾	16 ¾	17	17	17				
14. Property income	D.4	23.3	0.8	1/2	1/2	1/2	1/2	1/2				
15. Other (4)		134.6	4.4	4 1/4	4 1/4	4	4	3 3/4				
16.= 6. Total revenue	TR	1.349.9	44.6	44 1/2	44 1/2	44 1/2	44 ½	44 ½				
p.m.: Tax burden (D.2+D.5+D.61+D.91-D.995) (5)		1.192.0	39.4	39 ½	39 ¾	40	40	40				

		2015	2015	2016	2017	2018	2019	2020
	ESA Code	€bn			% of	GDP		
	Sele	cted comp	onents of	f expenditure	!			
17. Compensation of employ- ees + intermediate consumption	D.1+P.2	374.4	12.4	12 1/2	12 ½	12 1/2	12 1/4	12 1/4
17a. Compensation of employees	D.1	230.7	7.6	7 3/4	7 ½	7 ½	7 1/4	7 1/4
17b. Intermediate consumption	P.2	143.7	4.7	5	5	5	5	5
18. Social payments (18=18a+18b)		721.6	23.8	24 1/4	24 ½	24 ½	24 3/4	24 ¾
of which: unemployment benefits (6)		49.0	1.6	1 ½	1 3/4	1 3/4	1 3/4	1 3/4
18a. Social transfers in kind supplied via market producers	D.6311. D.63121. D.63131	252.3	8.3	8 ½	8 3/4	8 3/4	8 3/4	9
18b. Social transfers oth- er than in kind	D.62	469.3	15.5	15 ¾	15 3/4	15 ¾	15 %	15 3/4
19.=9. Interest expenditure	D.41	48.5	1.6	1 1/2	1 1/4	1 1/4	1 1/4	1 1/4
20. Subsidies	D.3	26.8	0.9	1	1	1	1	1
21. Gross fixed capital formation	P.51	65.6	2.2	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4
22. Capital transfers	D.9	30.3	1.0	1	1	1	1	1
23. Other (7)		91.6	3.0	3	2 3/4	3	3	3
24.= 7. Total expenditure	TE(1)	1.328.7	43.9	44 1/2	44 ½	44 ½	44 1/2	44 1/2
p.m.: Government consumption (nominal)	P.3	586.7	19.4	20	201/4	20	20	20 1/4

Figures for the forecast are rounded to one-quarter.

⁽¹⁾ Adjusted by the net amount of payments in connection with swaps, so that TR - TE = B9.
(2) The primary balance corresponds to (B9. line 8) plus (D.41. line 9).
(3) A plus sign means deficit-reducing one-off measures.
(4) P.11+P.12+P.131+D.39+D.7+D.9 (except D.91)
(5) Including those collected by the EU and including an adjustment for uncollected taxes and social contributions (D.995), if appropriate.
(6) Includes cash benefits (D.621 and D.624) and in-kind benefits (D.631) related to unemployment benefits.
(7) D.29+D4 (except D.41)+ D.5+D.7+P.52+P.53+K.2+D.8



Table 13: No-policy change projections

	2015	2015	2016	2017	2018	2019	2020
	€bn			% of	GDP		
Total revenue at unchanged policies	1,349.9	44.6	44 1/2	44 1/2	44 1/2	44 1/2	44 1/2
2. Total expenditure at unchanged policies	1,328.7	43 <i>.</i> 9	44 1/2	44 1/2	44 1/2	44 1/2	44 1/2

Figures for the forecast are rounded to one-quarter.

Table 14: Amounts to be excluded from the expenditure benchmark

	2015	2015	2016	2017	2018	2019	2020
	€bn			% of	GDP		
Expenditure on EU programmes fully matched by EU funds revenue	4.2	0.1	1/4	1/4	1/4	0	0
Cyclical unemployment benefit expenditure	-7.4	-0.2	-1/4	0	0	0	0
Effect of discretionary revenue measures	3.4	0.1	0	0	0	0	0
4. Revenue increases mandated by law	-2.8	-0.1	0	0	0	0	0

Figures for the forecast are rounded to one-quarter.

Table 15: General government debt developments (Maastricht debt ratio)

	ESA Code	2015	2016	2017	2018	2019	2020			
	ESA COGE			% of GDP						
1. Gross debt		71.2	68 1/4	65¾	63 ½	61 1/4	59 ½			
2. Change in gross debt ratio		-3.5	-3	-2 1/2	-2 1/4	-2 1/4	-1 3/4			
Contribution to changes in the Maastricht debt ratio										
3. Primary balance		2.3	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4			
4. Interest expenditure	D.41	1.6	1 ½	1 1/4	1 1/4	1 1/4	1 1/4			
5. Stock-flow adjustment		-0.1	- 3/4	- 1/4	- 1/4	- 1/4	0			
p.m.: Implicit interest rate on debt (1)		2.2	2	2	2	2	2 1/4			

(1) Proxied by interest expenditure divided by the debt level of the previous year.

Figures for the forecast are rounded to one-quarter.

Table 16: Cyclical developments

	F5. 6. 1	2015	2016	2017	2018	2019	2020
	ESA Code			% of	GDP		
1. Real GDP growth (%)		1.7	1.7	1.5	1.6	1.6	1.6
2. Net lending of general government	В.9	0.7	-0.1	0.0	-0.1	0.0	0.0
3. Interest expenditure	D.41	1.6	1.4	1.3	1.2	1.2	1.3
4. One-off and other temporary measures (1)		0.0	0.0	0.1	0.0	0.0	0.0
5. Potential GDP growth (%)		1.5	1.6	1.7	1.6	1.5	1.6
contributions:		0.0	0.0	0.0	0.0	0.0	0.0
- labour		3.0	0.5	0.6	0.4	0.2	0.3
- capital		0.4	0.4	0.4	0.4	0.4	0.4
- total factor productivity		3.0	0.6	0.7	8.0	0.8	0.8
6. Output gap		-0.3	-0.1	-0.3	-0.2	-0.1	0.0
7. Cyclical budgetary component		-0.2	0	- 1/4	0	0	0
8. Cyclically-adjusted balance (2 - 7)		0.9	0	1/4	0	0	0
9. Cyclically-adjusted primary balance (8 + 3)		2.5	1 1/4	1 ½	1 1/4	1 1/4	1 1/4
10. Structural balance (8 - 4)		8.0	0	0	0	0	0

^{1.} A plus sign means deficit-reducing one-off measures.

Figures for the forecast related to government accounts are rounded to one-quarter.



Table 17: Divergence from previous update

	ESA Code	2015	2016	2017	2018	2019	2020
Real GDP growth (%)							
Previous update		1.5	1.6	1.3	1.3	1.3	-
Current update		1.7	1.7	1.5	1.6	1.6	1.6
Difference		0.2	0.1	0.2	0.3	0.3	-
General government net lending (% of GDP)	B.9						
Previous update		1/4	0	1/4	1/4	1/2	-
Current update		0.7	0	0	0	0	0
Difference		1/2	- 1/4	- 1/4	- 1/2	- 1/2	-
General government gross debt (% of GDP)							
Previous update		71 ½	68 3/4	66	63¾	61 ½	-
Current update		71.2	68 1/4	65 ¾	63 ½	61 1/4	59 1/2
Difference		- 1/4	- 1/2	- 1/4	- 1/4	- 1/4	-

Figures for the forecast related to government accounts are rounded to one-quarter.

Table 18: Long-term trends in age-related general government expenditure

	2010	2020	2030	2040	2050	2060			
		Expenditure in % of GDP (pessimistic basic variant "T-" / optimistic basic variant "T+")							
Di dib (1)				•					
Pension expenditure (1)	9.9	9.7 / 9.5	10.7 / 10.0	11.7 / 10.9	12.4 / 11.3	13.3 / 11.8			
Healthcare expenditure (2) on statutory health insurance and medical assistance payments for civil servants	7.1	78/78	8.2 /8.0	8.5 / 8.2	8.6 /8.1	8.7 / 8.0			
Long-term care expenditure (3)	0.8	1.0 / 1.0	1.3 / 1.2	1.7 / 1.5	2.2 / 1.8	2.5 / 1.8			
Unemployment benefits (4)	3.7	2.4 / 2.2	3.0 / 1.6	29/1.5	29 / 1.5	2.9 / 1.5			
Spending on education and childcare (5)	4.1	4.0 / 4.0	4.2 / 4.2	4.2 / 4.3	4.1 / 4.2	4.2 / 4.4			
Expenditure on the family benefits system (6)	1.8	16/16	16/1.7	16 / 1.7	1.6 / 1.7	1.6 / 1.7			
Total age-related expenditure	27.1	26.3 / 26.0	28.6 / 26.6	30.3 / 28.0	31.4 / 28.5	32.7 / 29.1			
	Assumptions								
Productivity growth (%) (7)	0.6	1.0 / 0.9	19/19	18/2.0	16 / 1.8	1.6 / 1.9			
GDP growth (%)	0.9	1.4 / 1.4	1.1 / 1.8	09/15	0.9 / 1.6	0.7 / 1.5			
Labour force participation rates (%)									
- Men (15 to 64)	84.5	85.4 / 85.0	86.0 /86.5	85.9 / 86.4	859/86.4	86.1 / 86.7			
- Women (15 to 64)	74.6	79.6 / 78.5	82.2 / 82.6	82.5 / 82.8	83.0 /83.3	83.5 / 84.0			
Unemployment rate (%)	6.4	3.8 / 3.6	5.5 / 3.0	5.5 / 3.0	5.5 / 3.0	5.5 / 3.0			
Old-age dependency ratio	31.1	35.1 / 34.7	46.9 / 45.0	54.7 / 50.2	58.6 / 51.2	64.1 / 53.7			
Total population (m)	81.7	81.5 / 82.2	79.6 /81.9	76.8 / 80.6	73.2 / 78.8	69.2 / 76.9			
Population aged 65+(m)	16.8	18.4 / 18.4	22.2 / 21.8	23.9 / 23.4	24.0 / 23.2	23.9 / 23.2			



Table 18: Continuation

The values shown have been consolidated to take into account cross-payments between individual sub-budgets. Last update of the projections (2020-2060): 2010 base year, data and legal situation as of 30 June 2015.

Sources: actual values for 2010: Federal Statistical Office, German Pension Insurance, Federal Ministry of Health, Federal Employment Agency, Federal Ministry of Labour and Social Affairs, Federal Ministry of Finance, Federal Ministry for Family Affairs, Senior Citizens, Women and Youth, projections (2020–2060): Professor Martin Werding (Ruhr-Universität Bochum), projections for the fourth Sustainability Report by the Federal Ministry of Finance, Cologne 2016.

- (1) Statutory pension insurance and civil servants' pension.

- (2) Statutory health insurance and medical assistance payments for civil servants and eligible relatives.
 (3) Long-term care insurance.
 (4) Unemployment insurance, other expenses of the Federal Employment Agency and basic provision for job seekers (including accommodation costs).
 (5) Public education spending (including child-care facilities) according to the definition used in the Education Finance Report.
 (6) Child benefit, tax-free allowances for children under the Income Tax Act, parental benefit.

- (7) Measured by labour productivity.

Comments: The figures shown reflect two variants: T-", which is based throughout on slightly pessimistic assumptions, and "T+", which is based throughout on slightly optimistic assumptions. Figures on productivity growth and GDP growth refer to changes compared with the previous 10-year period. The old-age dependency ratio is based on the definition of a working-age population as aged 15-64.

Table 19: Technical assumptions

	2015	2016	2017	2018 to 2020
Short-term interestrate (annual average in %)	0.05	0.05	0.05	0.05
USD/€ exchange rate (annual average)	1.11	1.09	1.09	1.09
Growth of German sales markets (in %) (1)	2.3	3 1/4		4 1/4
Oil price (Brent, USD/barrel)	52	34	40	47

⁽¹⁾ Values rounded to 1/4.

Table 20: Contingent liabilities

% of GDP	2015
Public guarantees	16.4*
Of which: linked to the financial	0.6

^{*} Year 2014



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