

12TH EDITION

# Doing Business 2015

## Going Beyond Efficiency

### Economy Profile 2015

### Germany



COMPARING BUSINESS REGULATIONS FOR DOMESTIC FIRMS IN **189** ECONOMIES

*A World Bank Group Flagship Report*

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## INTRODUCTION

*Doing Business* sheds light on how easy or difficult it is for a local entrepreneur to open and run a small to medium-size business when complying with relevant regulations. It measures and tracks changes in regulations affecting 11 areas in the life cycle of a business: starting a business, dealing with construction permits, getting electricity, registering property, getting credit, protecting minority investors, paying taxes, trading across borders, enforcing contracts, resolving insolvency and labor market regulation.

In a series of annual reports *Doing Business* presents quantitative indicators on business regulations and the protection of property rights that can be compared across 189 economies, from Afghanistan to Zimbabwe, over time. The data set covers 47 economies in Sub-Saharan Africa, 32 in Latin America and the Caribbean, 25 in East Asia and the Pacific, 26 in Eastern Europe and Central Asia, 20 in the Middle East and North Africa and 8 in South Asia, as well as 31 OECD high-income economies. The indicators are used to analyze economic outcomes and identify what reforms have worked, where and why.

This economy profile presents the *Doing Business* indicators for Germany. To allow useful comparison, it also provides data for other selected economies (comparator economies) for each indicator. The data in this report are current as of June

1, 2014 (except for the paying taxes indicators, which cover the period January–December 2013).

The *Doing Business* methodology has limitations. Other areas important to business—such as an economy's proximity to large markets, the quality of its infrastructure services (other than those related to trading across borders and getting electricity), the security of property from theft and looting, the transparency of government procurement, macroeconomic conditions or the underlying strength of institutions—are not directly studied by *Doing Business*. The indicators refer to a specific type of business, generally a local limited liability company operating in the largest business city. Because standard assumptions are used in the data collection, comparisons and benchmarks are valid across economies. The data not only highlight the extent of obstacles to doing business; they also help identify the source of those obstacles, supporting policy makers in designing regulatory reform.

More information is available in the full report. *Doing Business 2015* presents the indicators, analyzes their relationship with economic outcomes and presents business regulatory reforms. The data, along with information on ordering *Doing Business 2015*, are available on the *Doing Business* website at <http://www.doingbusiness.org>.

## CHANGES IN *DOING BUSINESS 2015*

As part of a 2-year update in methodology, *Doing Business 2015* incorporates 7 important changes. First, the ease of doing business ranking as well as all topic-level rankings are now computed on the basis of distance to frontier scores (see the chapter on the distance to frontier and ease of doing business ranking). Second, for the 11 economies with a population of more than 100 million, data for a second city have been added to the data set and the ranking calculation. These economies are Bangladesh, Brazil, China, India, Indonesia, Japan, Mexico, Nigeria, Pakistan, the Russian Federation and the United States. Third, for getting credit, the methodology has been revised for both the strength of legal rights index and the depth of credit information index. The number of points has been increased in both indices, from 10 to 12 for the strength of legal rights index and from 6 to 8 for the depth of credit information index. In addition, only credit bureaus and registries that cover at least 5% of the adult population can receive a score on the depth of credit information index.

Fourth, the name of the protecting investors indicator set has been changed to protecting minority investors to better reflect its scope—and the scope of the indicator set has been expanded to include shareholders' rights in corporate governance beyond related-party transactions. Fifth, the resolving insolvency indicator set has been expanded to include an index measuring the strength of the legal framework for insolvency. Sixth, the calculation of the distance to frontier score for paying taxes has been changed. The total tax rate component now enters the score in a nonlinear fashion, in an approach different from that used for all other indicators (see the chapter on the distance to frontier and ease of doing business ranking).

Finally, the name of the employing workers indicator set has been changed to labor market regulation, and the scope of this indicator set has also been changed. The indicators now focus on labor market regulation applying to the retail sector rather than the manufacturing sector, and their coverage has been expanded to include regulations on labor disputes and on benefits provided to workers. The labor market regulation indicators continue to be excluded from the aggregate distance to frontier score and ranking on the ease of doing business.

Beyond these changes there are 3 other updates in methodology. For paying taxes, the financial statement variables have been updated to be proportional to 2012 income per capita; previously they were proportional to 2005 income per capita. For enforcing contracts, the value of the claim is now set at twice the income per capita or \$5,000, whichever is greater. For dealing with construction permits, the cost of construction is now set at 50 times income per capita (before, the cost was assessed by the *Doing Business* respondents). In addition, this indicator set no longer includes the procedures for obtaining a landline telephone connection.

For more details on the changes, see the "What is changing in *Doing Business*?" chapter starting on page 24 of the *Doing Business 2015* report. For more details on the data and methodology, please see the "Data Notes" chapter starting on page 114 of the *Doing Business 2015* report. For more details on the distance to frontier metric, please see the "Distance to frontier and ease of doing business ranking" chapter in this profile.

## THE BUSINESS ENVIRONMENT

For policy makers trying to improve their economy's regulatory environment for business, a good place to start is to find out how it compares with the regulatory environment in other economies. *Doing Business* provides an aggregate ranking on the ease of doing business based on indicator sets that measure and benchmark regulations applying to domestic small to medium-size businesses through their life cycle. Economies are ranked from 1 to 189 by the ease of doing business ranking. This year's report presents results for 2 aggregate measures: the distance to frontier score and the ease of doing business ranking. The ranking of economies is determined by sorting the aggregate distance to frontier (DTF) scores. The distance to frontier score benchmarks economies with respect to regulatory practice, showing the absolute distance to the best performance in each *Doing Business* indicator. An economy's distance to frontier score is indicated on a scale from 0 to 100, where 0 represents the worst performance and 100 the frontier. (See the chapter on the distance to frontier and ease of doing business). The 10 topics included in the ranking in *Doing Business 2015*: starting a business, dealing with construction permits, getting electricity, registering property, getting credit, protecting minority investors, paying taxes, trading across borders, enforcing contracts and resolving insolvency. The labor market regulation indicators (formerly employing workers) are not included in this year's aggregate ease of doing business ranking, but the data are presented in this year's economy profile.

The aggregate ranking on the ease of doing business benchmarks each economy's performance on the indicators against that of all other economies in the *Doing Business* sample (figure 1.1). While this ranking tells much about the business environment in an economy, it does not tell the whole story. The ranking on the ease of doing business, and the underlying indicators, do not measure all aspects of the business environment that matter to firms and investors or that affect the competitiveness of the economy. Still, a high ranking does mean that the government has created a regulatory environment conducive to operating a business.

### ECONOMY OVERVIEW

Region: OECD high income

Income category: High income

Population: 80,621,788

GNI per capita (US\$): 46,100

DB2015 rank: 14

DB2014 rank: 13\*

Change in rank: -1

DB 2015 DTF: 79.7

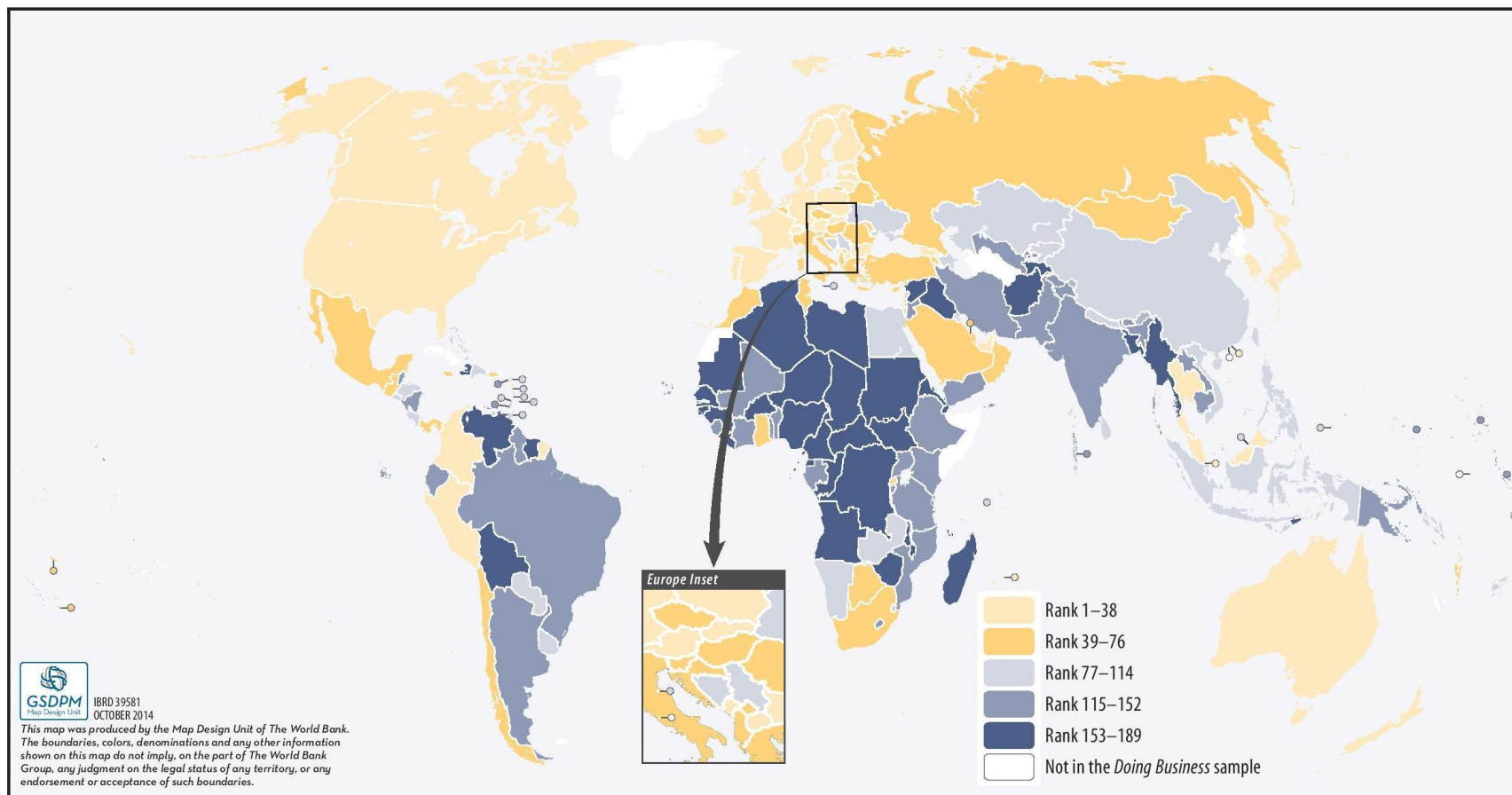
DB 2014 DTF: 80

Change in DTF: -0.3

\* DB2014 ranking shown is not last year's published ranking but a comparable ranking for DB2014 that captures the effects of such factors as data corrections and the changes in methodology. See the data notes starting on page 114 of the *Doing Business 2015* report for sources and definitions.

## THE BUSINESS ENVIRONMENT

Figure 1.1 Where economies stand in the global ranking on the ease of doing business



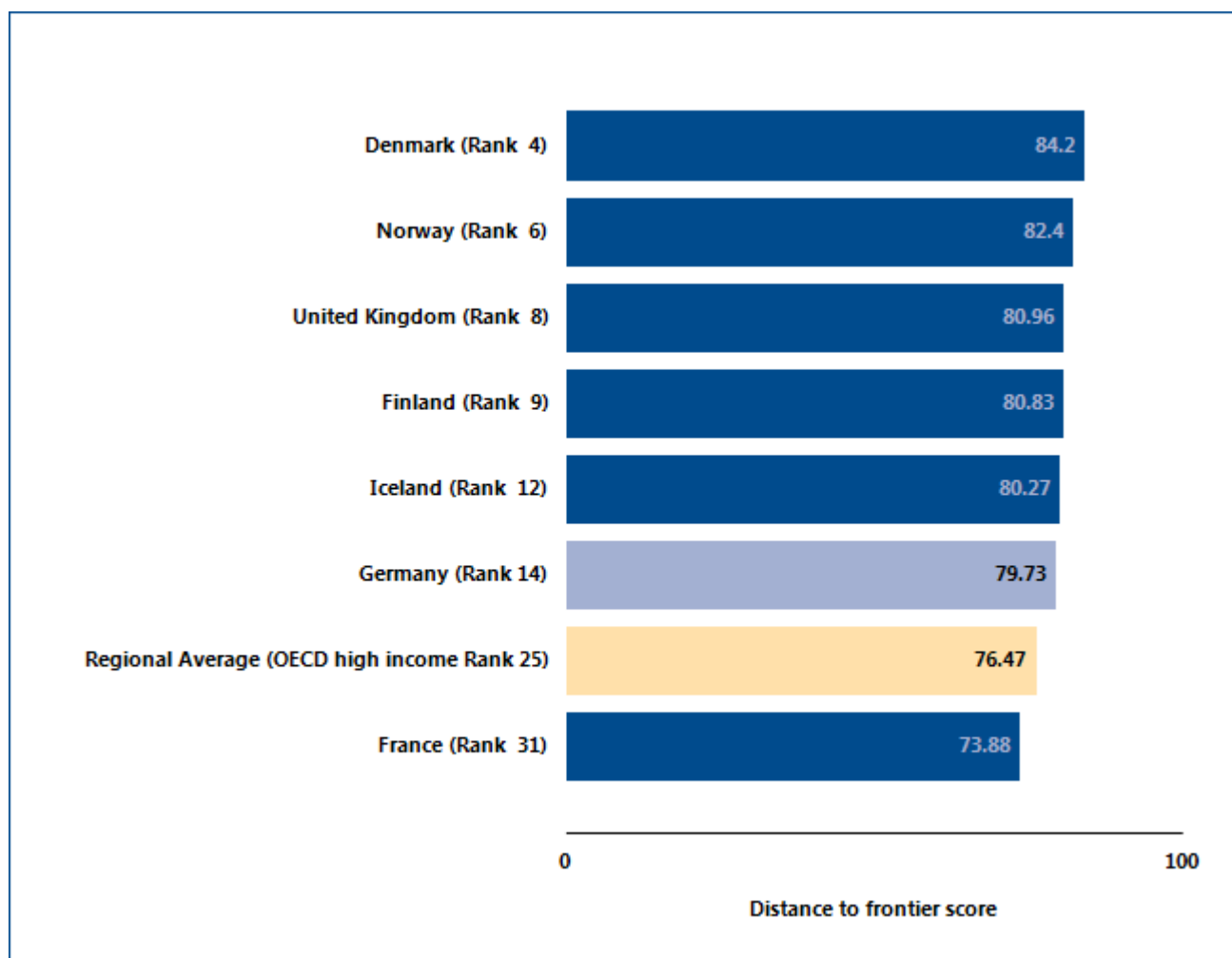
Source: *Doing Business* database.

## THE BUSINESS ENVIRONMENT

For policy makers, knowing where their economy stands in the aggregate ranking on the ease of doing business is useful. Also useful is to know how it ranks relative to comparator economies and relative to the

regional average (figure 1.2). The economy's rankings (figure 1.3) and distance to frontier scores (figure 1.4) on the topics included in the ease of doing business ranking provide another perspective.

Figure 1.2 How Germany and comparator economies rank on the ease of doing business



*Note:* The rankings are benchmarked to June 2014 and based on the average of each economy's distance to frontier (DTF) scores for the 10 topics included in this year's aggregate ranking. The distance to frontier score benchmarks economies with respect to regulatory practice, showing the absolute distance to the best performance in each *Doing Business* indicator. An economy's distance to frontier score is indicated on a scale from 0 to 100, where 0 represents the worst performance and 100 the frontier. For the economies for which the data cover 2 cities, scores are a population-weighted average for the 2 cities.

*Source:* *Doing Business* database.



## THE BUSINESS ENVIRONMENT

Figure 1.3 Rankings on *Doing Business* topics - Germany  
 (Scale: Rank 189 center, Rank 1 outer edge)

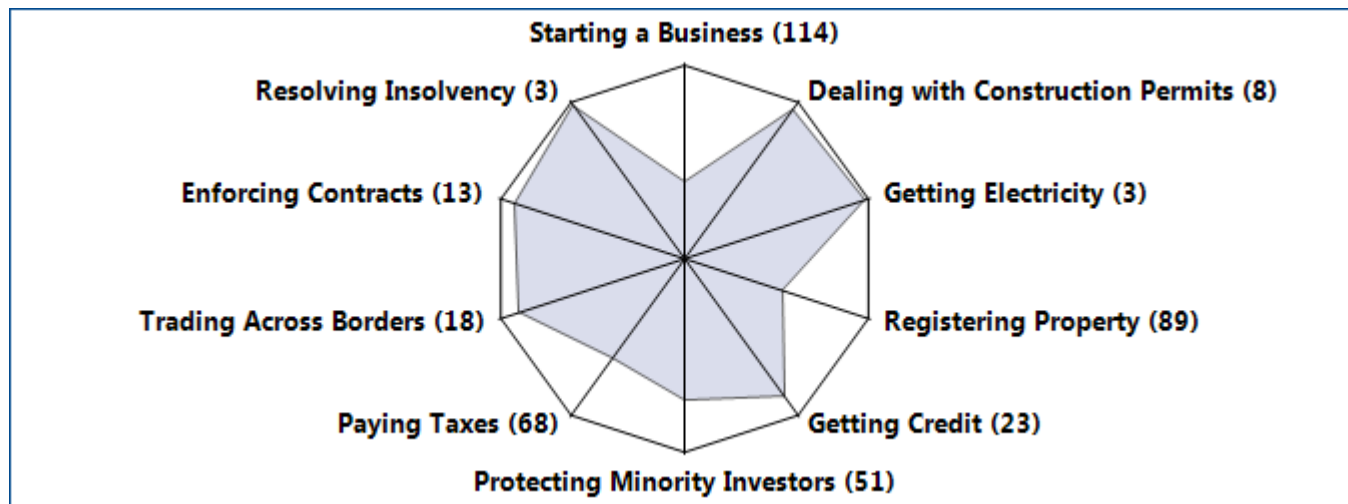
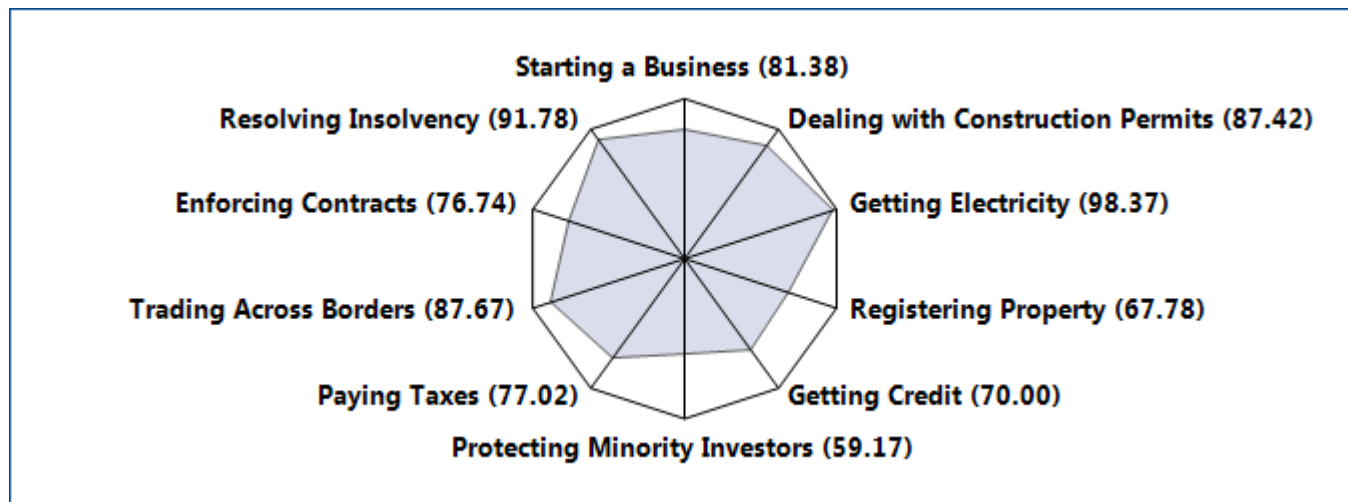


Figure 1.4 Distance to frontier scores on *Doing Business* topics - Germany  
 (Scale: Score 0 center, Score 100 outer edge)



*Note:* The rankings are benchmarked to June 2014 and based on the average of each economy’s distance to frontier (DTF) scores for the 10 topics included in this year’s aggregate ranking. The distance to frontier score benchmarks economies with respect to regulatory practice, showing the absolute distance to the best performance in each *Doing Business* indicator. An economy’s distance to frontier score is indicated on a scale from 0 to 100, where 0 represents the worst performance and 100 the frontier. For the economies for which the data cover 2 cities, scores are a population-weighted average for the 2 cities.  
 Source: *Doing Business* database.

## THE BUSINESS ENVIRONMENT

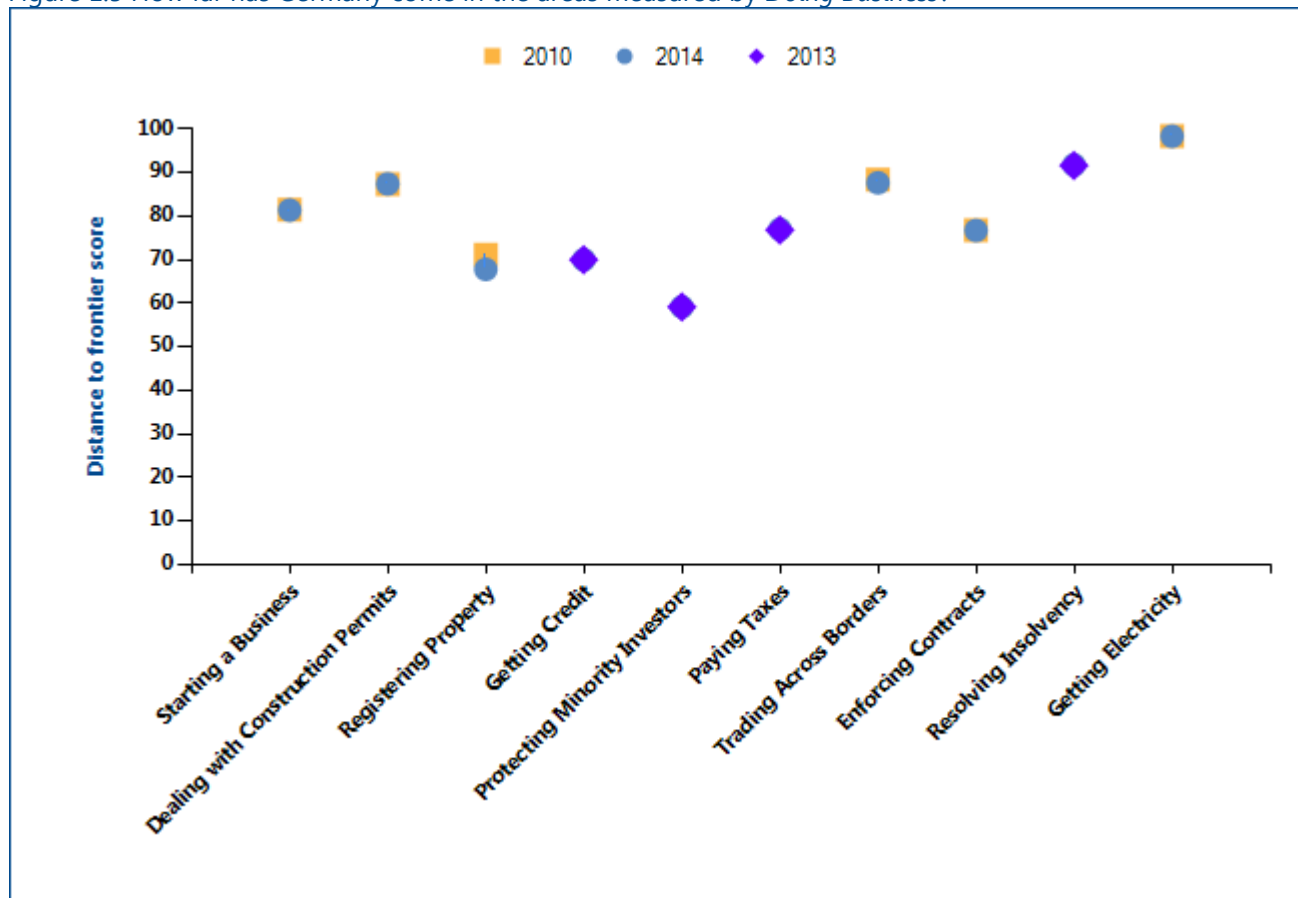
Just as the overall ranking on the ease of doing business tells only part of the story, so do changes in that ranking. Yearly movements in rankings can provide some indication of changes in an economy’s regulatory environment for firms, but they are always relative.

Moreover, year-to-year changes in the overall rankings do not reflect how the business regulatory environment in an economy has changed over time—or how it has changed in different areas. To aid in assessing such changes,

*Doing Business* introduced the distance to frontier score. This measure shows how far on average an economy is from the best performance achieved by any economy on each *Doing Business* indicator.

Comparing the measure for an economy at 2 points in time allows users to assess how much the economy’s regulatory environment as measured by *Doing Business* has changed over time—how far it has moved toward (or away from) the most efficient practices and strongest regulations in areas covered by *Doing Business* (figure 1.5).

Figure 1.5 How far has Germany come in the areas measured by *Doing Business*?



Note: The distance to frontier score shows how far on average an economy is from the best performance achieved by any economy on each *Doing Business* indicator since 2010, except for getting credit, paying taxes, protecting minority investors and resolving insolvency which had methodology changes in 2014 and thus are only comparable to 2013. The measure is normalized to range between 0 and 100, with 100 representing the best performance (the frontier). See the data notes starting on page 114 of the *Doing Business 2015* report for more details on the distance to frontier score.

Source: *Doing Business* database.

## THE BUSINESS ENVIRONMENT

The absolute values of the indicators tell another part of the story (table 1.1). The indicators, on their own or in comparison with the indicators of a good practice economy or those of comparator economies in the region, may reveal bottlenecks reflected in large numbers of procedures, long delays or high costs. Or they may reveal unexpected strengths in an area of business

regulation—such as a regulatory process that can be completed with a small number of procedures in a few days and at a low cost. Comparison of the economy's indicators today with those in the previous year may show where substantial bottlenecks persist—and where they are diminishing.

Table 1.1 Summary of *Doing Business* indicators for Germany

Indicator	Germany DB2015	Germany DB2014	Denmark DB2015	Finland DB2015	France DB2015	Iceland DB2015	Norway DB2015	United Kingdom DB2015	Best performer globally DB2015
<b>Starting a Business (rank)</b>	114	103	25	27	28	31	22	45	New Zealand (1)
<b>Starting a Business (DTF Score)</b>	81.38	81.75	93.40	93.10	93.00	92.35	94.03	91.23	New Zealand (99.96)
<b>Procedures (number)</b>	9.0	9.0	4.0	3.0	5.0	5.0	4.0	6.0	New Zealand (1.0)*
<b>Time (days)</b>	14.5	14.5	5.5	14.0	4.5	4.0	5.0	6.0	New Zealand (0.5)
<b>Cost (% of income per capita)</b>	8.8	4.8	0.2	1.1	0.9	2.4	0.9	0.3	Slovenia (0.0)
<b>Paid-in min. capital (% of income per capita)</b>	35.8	37.8	14.5	7.0	0.0	9.3	5.0	0.0	112 Economies (0.0)*
<b>Dealing with Construction Permits (rank)</b>	8	7	5	33	86	56	27	17	Hong Kong SAR, China (1)
<b>Dealing with Construction Permits (DTF Score)</b>	87.42	87.35	89.84	81.61	73.14	77.60	83.05	85.06	Hong Kong SAR, China (95.53)

Indicator	Germany DB2015	Germany DB2014	Denmark DB2015	Finland DB2015	France DB2015	Iceland DB2015	Norway DB2015	United Kingdom DB2015	Best performer globally DB2015
Procedures (number)	8.0	8.0	7.0	15.0	8.0	17.0	10.0	9.0	Hong Kong SAR, China (5.0)
Time (days)	96.0	96.0	64.0	64.0	183.0	84.0	122.5	105.0	Singapore (26.0)
Cost (% of warehouse value)	1.1	1.2	2.3	0.8	4.7	0.5	0.6	1.2	Qatar (0.0)*
Getting Electricity (rank)	3	2	14	33	60	9	25	70	Korea, Rep. (1)
Getting Electricity (DTF Score)	98.37	98.36	91.07	85.29	79.87	93.81	87.44	78.42	Korea, Rep. (99.83)
Procedures (number)	3.0	3.0	4.0	5.0	5.0	4.0	4.0	4.0	12 Economies (3.0)*
Time (days)	28.0	28.0	38.0	42.0	79.0	22.0	66.0	126.0	Korea, Rep. (18.0)*
Cost (% of income per capita)	44.4	46.9	114.9	29.7	42.9	12.7	11.9	90.1	Japan (0.0)
Registering Property (rank)	89	80	8	38	126	23	5	68	Georgia (1)
Registering Property (DTF Score)	67.78	70.10	92.61	80.58	59.36	86.03	94.12	72.55	Georgia (99.88)
Procedures (number)	5.0	5.0	3.0	3.0	8.0	3.0	1.0	6.0	4 Economies (1.0)*
Time (days)	40.0	40.0	4.0	32.0	49.0	3.5	3.0	21.5	3 Economies (1.0)*
Cost (% of property value)	6.7	5.7	0.6	4.0	6.1	3.6	2.5	4.6	4 Economies (0.0)*
Getting Credit (rank)	23	19	23	36	71	52	61	17	New Zealand (1)
Getting Credit (DTF Score)	70.00	70.00	70.00	65.00	50.00	60.00	55.00	75.00	New Zealand (100)
Strength of legal rights index (0-12)	6	6	8	7	4	5	5	7	3 Economies (12)*

Indicator	Germany DB2015	Germany DB2014	Denmark DB2015	Finland DB2015	France DB2015	Iceland DB2015	Norway DB2015	United Kingdom DB2015	Best performer globally DB2015
Depth of credit information index (0-8)	8	8	6	6	6	7	6	8	23 Economies (8)*
Credit registry coverage (% of adults)	1.3	0.0	0.0	0.0	44.5	0.0	0.0	0.0	Portugal (100.0)
Credit bureau coverage (% of adults)	100.0	100.0	7.8	19.6	0.0	100.0	100.0	100.0	23 Economies (100.0)*
Protecting Minority Investors (rank)	51	50	17	76	17	28	12	4	New Zealand (1)
Protecting Minority Investors (DTF Score)	59.17	59.17	67.50	55.83	67.50	65.00	70.00	78.33	New Zealand (81.67)
Extent of conflict of interest regulation index (0-10)	5.0	5.0	6.7	6.0	5.7	6.7	7.0	8.3	Singapore (9.3)*
Extent of shareholder governance index (0-10)	6.8	6.8	6.8	5.2	7.8	6.3	7.0	7.3	France (7.8)*
Strength of minority investor protection index (0-10)	5.9	5.9	6.8	5.6	6.8	6.5	7.0	7.8	New Zealand (8.2)
Paying Taxes (rank)	68	64	12	21	95	46	15	16	United Arab Emirates (1)*
Paying Taxes (DTF Score)	77.02	76.84	91.94	88.36	72.12	80.86	90.80	90.52	United Arab Emirates (99.44)*
Payments (number per year)	9.0	9.0	10.0	8.0	8.0	26.0	4.0	8.0	Hong Kong SAR, China (3.0)*
Time (hours per year)	218.0	218.0	130.0	93.0	137.0	140.0	83.0	110.0	Luxembourg (55.0)
Trading Across Borders (rank)	18	16	7	14	10	39	24	15	Singapore (1)
Trading Across Borders	87.67	88.26	92.23	89.10	90.18	83.23	85.56	88.32	Singapore (96.47)

Indicator	Germany DB2015	Germany DB2014	Denmark DB2015	Finland DB2015	France DB2015	Iceland DB2015	Norway DB2015	United Kingdom DB2015	Best performer globally DB2015
(DTF Score)									
Documents to export (number)	4	4	4	4	2	4	4	4	Ireland (2)*
Time to export (days)	9.0	9.0	6.0	9.0	10.0	10.0	8.0	8.0	5 Economies (6.0)*
Cost to export (US\$ per container)	1,015.0	905.0	795.0	615.0	1,335.0	1,530.0	1,265.0	1,005.0	Timor-Leste (410.0)
Cost to export (deflated US\$ per container)	1,015.0	925.2	795.0	615.0	1,335.0	1,530.0	1,265.0	1,005.0	
Documents to import (number)	4	4	3	5	2	4	5	4	Ireland (2)*
Time to import (days)	7.0	7.0	5.0	7.0	11.0	9.0	7.0	6.0	Singapore (4.0)
Cost to import (US\$ per container)	1,050.0	940.0	745.0	625.0	1,445.0	1,620.0	1,140.0	1,050.0	Singapore (440.0)
Cost to import (deflated US\$ per container)	1,050.0	960.9	745.0	625.0	1,445.0	1,620.0	1,140.0	1,050.0	
Enforcing Contracts (rank)	13	13	34	17	10	3	8	36	Singapore (1)
Enforcing Contracts (DTF Score)	76.74	76.74	68.79	75.58	77.67	82.30	78.41	68.08	Singapore (89.54)
Time (days)	394.0	394.0	410.0	375.0	395.0	417.0	280.0	437.0	Singapore (150.0)
Cost (% of claim)	14.4	14.4	23.3	13.3	17.4	9.0	9.9	39.9	Iceland (9.0)
Procedures (number)	31.0	31.0	35.0	33.0	29.0	27.0	34.0	29.0	Singapore (21.0)*
Resolving Insolvency (rank)	3	3	9	1	22	15	8	13	Finland (1)
Resolving Insolvency (DTF Score)	91.78	91.65	84.59	93.85	75.94	81.47	85.62	82.04	Finland (93.85)

Indicator	Germany DB2015	Germany DB2014	Denmark DB2015	Finland DB2015	France DB2015	Iceland DB2015	Norway DB2015	United Kingdom DB2015	Best performer globally DB2015
Time (years)	1.2		1.0	0.9	1.9	1.0	0.9	1.0	Ireland (0.4)
Cost (% of estate)	8.0	8.0	4.0	3.5	9.0	3.5	1.0	6.0	Norway (1.0)
Outcome (0 as piecemeal sale and 1 as going concern)	1	1	1	1	1	1	1	1	
Recovery rate (cents on the dollar)	83.4	83.2	87.5	90.2	77.2	84.6	92.3	88.6	Japan (92.9)
Strength of insolvency framework index (0-16)	15.0	15.0	12.0	14.5	11.0	11.5	11.5	11.0	5 Economies (15.0)*

Note: DB2014 rankings shown are not last year's published rankings but comparable rankings for DB2014 that capture the effects of such factors as data corrections and changes to the methodology. Trading across borders deflated and non-deflated values are identical in DB2015 because it is defined as the base year for the deflator. The best performer on time for paying taxes is defined as the lowest time recorded among all economies in the DB2015 sample that levy the 3 major taxes: profit tax, labor taxes and mandatory contributions, and VAT or sales tax. If an economy has no laws or regulations covering a specific area—for example, insolvency—it receives a “no practice” mark. Similarly, an economy receives a “no practice” or “not possible” mark if regulation exists but is never used in practice or if a competing regulation prohibits such practice. Either way, a “no practice” mark puts the economy at the bottom of the ranking on the relevant indicator.

\* Two or more economies share the top ranking on this indicator. A number shown in place of an economy's name indicates the number of economies that share the top ranking on the indicator. For a list of these economies, see the *Doing Business* website (<http://www.doingbusiness.org>).

Source: *Doing Business* database.

## STARTING A BUSINESS

Formal registration of companies has many immediate benefits for the companies and for business owners and employees. Legal entities can outlive their founders. Resources are pooled as several shareholders join forces to start a company. Formally registered companies have access to services and institutions from courts to banks as well as to new markets. And their employees can benefit from protections provided by the law. An additional benefit comes with limited liability companies. These limit the financial liability of company owners to their investments, so personal assets of the owners are not put at risk. Where governments make registration easy, more entrepreneurs start businesses in the formal sector, creating more good jobs and generating more revenue for the government.

### What do the indicators cover?

*Doing Business* measures the ease of starting a business in an economy by recording all procedures officially required or commonly done in practice by an entrepreneur to start up and formally operate an industrial or commercial business—as well as the time and cost required to complete these procedures. It also records the paid-in minimum capital that companies must deposit before registration (or within 3 months). The ranking of economies on the ease of starting a business is determined by sorting their distance to frontier scores for starting a business. These scores are the simple average of the distance to frontier scores for each of the component indicators.

To make the data comparable across economies, *Doing Business* uses several assumptions about the business and the procedures. It assumes that all information is readily available to the entrepreneur and that there has been no prior contact with officials. It also assumes that the entrepreneur will pay no bribes. And it assumes that the business:

- Is a limited liability company, located in the largest business city and is 100% domestically owned<sup>1</sup>.
- Has between 10 and 50 employees.
- Conducts general commercial or industrial activities.
- Has a start-up capital of 10 times income per capita.
- Has a turnover of at least 100 times income per capita.
- Does not qualify for any special benefits.
- Does not own real estate.

### WHAT THE STARTING A BUSINESS

#### INDICATORS MEASURE

#### Procedures to legally start and operate a company (number)

- Preregistration (for example, name verification or reservation, notarization)
- Registration in the economy's largest business city<sup>1</sup>
- Postregistration (for example, social security registration, company seal)

#### Time required to complete each procedure (calendar days)

- Does not include time spent gathering information
- Each procedure starts on a separate day (2 procedures cannot start on the same day). Procedures that can be fully completed online are recorded as ½ day.
- Procedure completed once final document is received
- No prior contact with officials

#### Cost required to complete each procedure (% of income per capita)

- Official costs only, no bribes
- No professional fees unless services required by law

#### Paid-in minimum capital (% of income per capita)

- Deposited in a bank or with a notary before registration (or within 3 months)

<sup>1</sup> For the 11 economies with a population of more than 100 million, data for a second city have been added.



## STARTING A BUSINESS

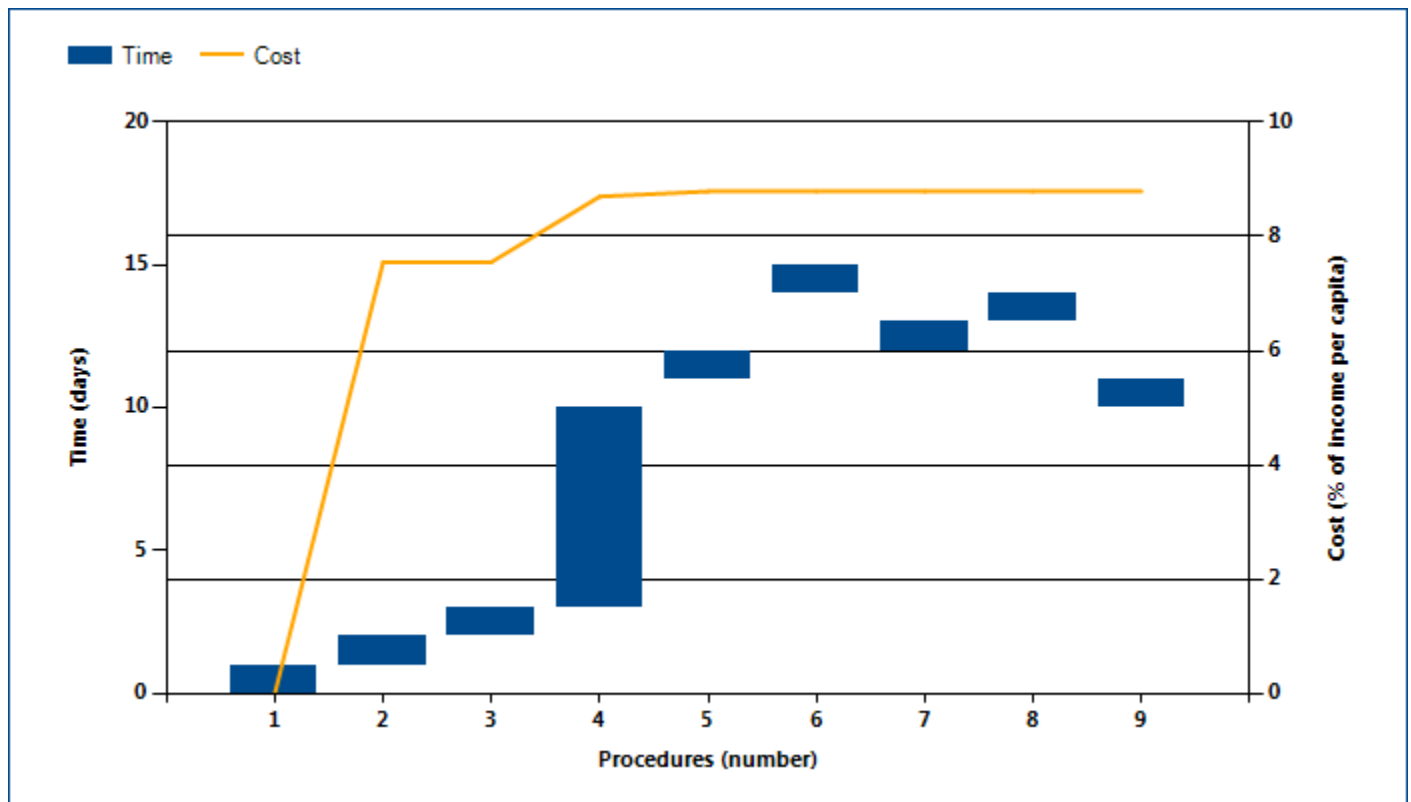
### Where does the economy stand today?

What does it take to start a business in Germany? According to data collected by *Doing Business*, starting a business there requires 9.0 procedures, takes 14.5 days, costs 8.8% of income per capita and requires paid-in minimum capital of 35.8% of income per capita (figure 2.1). Most indicator sets refer to a case scenario in the

largest business city of an economy, except for 11 economies for which the data are a population-weighted average of the 2 largest business cities. See the chapter on distance to frontier and ease of doing business ranking at the end of this profile for more details.

Figure 2.1 What it takes to start a business in Germany -

Paid-in minimum capital (% of income per capita): 35.8



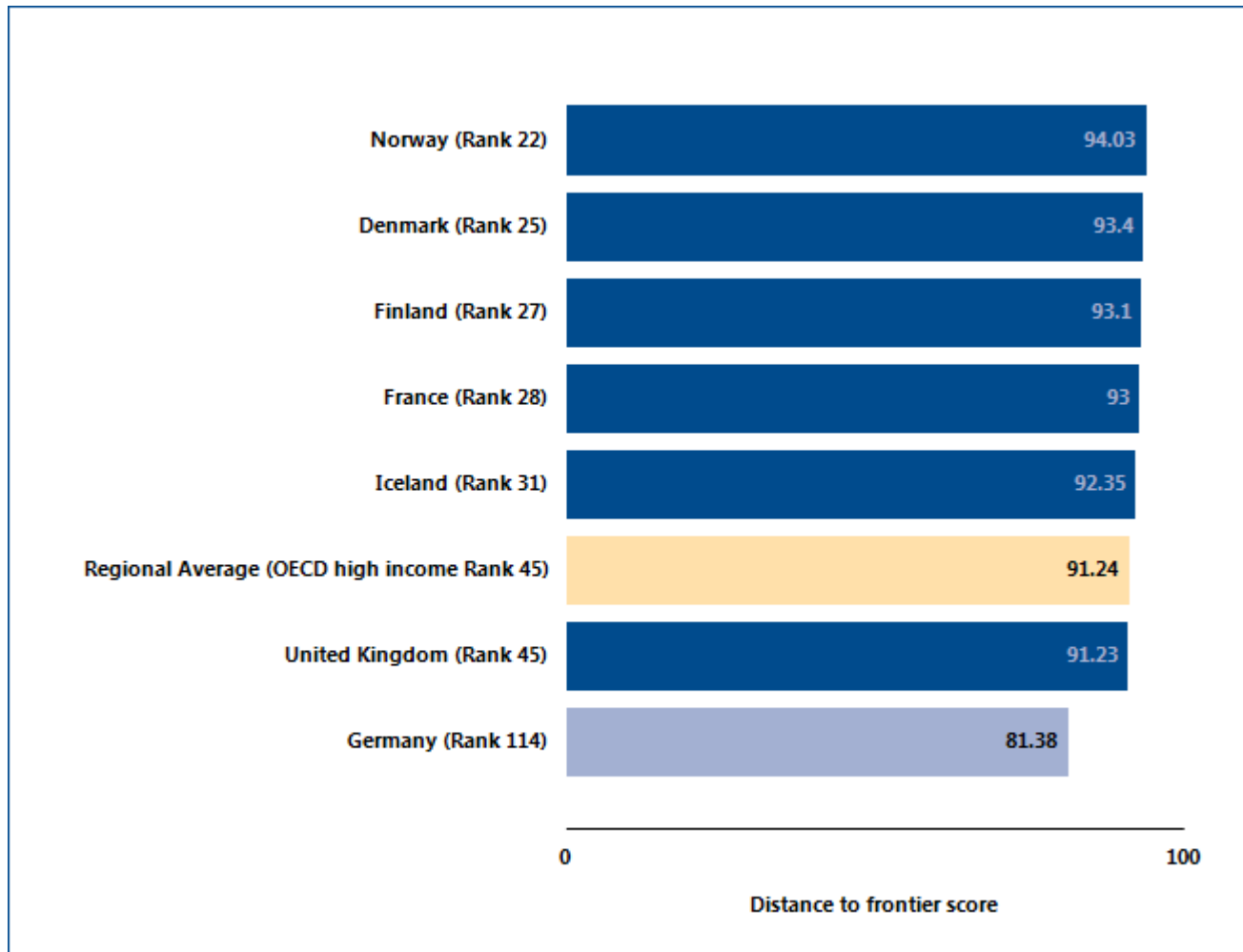
Note: Time shown in the figure above may not reflect simultaneity of procedures. Online procedures account for 0.5 days in the total time calculation. For more information on the methodology of the starting a business indicators, see the *Doing Business* website (<http://www.doingbusiness.org>). For details on the procedures reflected here, see the summary at the end of this chapter. Source: *Doing Business* database.

### STARTING A BUSINESS

Globally, Germany stands at 114 in the ranking of 189 economies on the ease of starting a business (figure 2.2). The rankings for comparator economies and the regional

average ranking provide other useful information for assessing how easy it is for an entrepreneur in Germany to start a business.

Figure 2.2 How Germany and comparator economies rank on the ease of starting a business



Source: Doing Business database.

## STARTING A BUSINESS

Economies around the world have taken steps making it easier to start a business—streamlining procedures by setting up a one-stop shop, making procedures simpler or faster by introducing technology and reducing or eliminating minimum capital requirements. Many have undertaken business registration reforms in stages—and

they often are part of a larger regulatory reform program. Among the benefits have been greater firm satisfaction and savings and more registered businesses, financial resources and job opportunities.

What business registration reforms has *Doing Business* recorded in Germany (table 2.1)?

Table 2.1 How has Germany made starting a business easier—or not?  
By *Doing Business* report year from DB2010 to DB2015

DB year	Reform
<b>DB2010</b>	Germany made starting a business easier by reducing the minimum capital requirement to a symbolic amount.
<b>DB2011</b>	Germany eased business start-up by increasing the efficiency of communications between the notary and the commercial registry and eliminating the need to publish an announcement in a newspaper.
<b>DB2015</b>	Germany made starting a business more difficult by increasing notary fees.

Note: For information on reforms in earlier years (back to DB2005), see the *Doing Business* reports for these years, available at <http://www.doingbusiness.org>.

Source: *Doing Business* database.

## STARTING A BUSINESS

### What are the details?

Underlying the indicators shown in this chapter for Germany is a set of specific procedures—the bureaucratic and legal steps that an entrepreneur must complete to incorporate and register a new firm. These are identified by *Doing Business* through collaboration with relevant local professionals and the study of laws, regulations and publicly available information on business entry in that economy. Following is a detailed summary of those procedures, along with the associated time and cost. These procedures are those that apply to a company matching the standard assumptions (the “standardized company”) used by *Doing Business* in collecting the data (see the section in this chapter on what the indicators measure).

#### STANDARDIZED COMPANY

**Legal form: GmbH-Gesellschaft mit beschränkter Haftung**

**Paid in minimum capital requirement: EUR 12,500**

**City: Berlin**

**Start-up Capital: 10 times GNI per capita**

Table 2.2 Summary of time, cost and procedures for starting a business in Germany -

No.	Procedure	Time to complete	Cost to complete
1	<p><b>Obtain the company’s name at the local chamber of industry and commerce</b></p> <p>Entrepreneurs need to obtain the company’s name at the Berlin Chamber of Industry and Commerce.</p> <p><i>Agency: Chamber of Industry &amp; Commerce</i></p>	Less than one day (online procedure)	no charge
2	<p><b>Notarize the Articles of Association and Memorandum of Association</b></p> <p>The Bundestag of Germany passed the Act on Modernization of Cost Rules (2. Kostenrechtsmodernisierungsgesetz) on June 27, 2013, which came into force on August 1, 2013. This Act restructured the system of judicial and notarial fees for more transparency and adjusted the costs of notarizing the Articles of Association and Memorandum of Association to the general economic development.</p> <p>For notarizing the articles of association and memorandum of association for GmbH start-ups with two or more shareholders, costs would be calculated on the basis of a “2.0 Fee” as follows:</p> <ul style="list-style-type: none"> <li>• Up to EUR 500 share capital: Fees is EUR 35</li> <li>• From EUR 501 to EUR 2,000 share capital: A fee of EUR 18 is added for each EUR 500 of share capital</li> <li>• From EUR 2,001 to EUR 10,000 share capital: A fee of EUR 19 is added for each EUR 1,000 of share capital</li> </ul>	1 day	see procedure details

No.	Procedure	Time to complete	Cost to complete
	<ul style="list-style-type: none"> <li>• From EUR 10,001 to EUR 25,000 share capital: A fee of EUR 26 is added for each EUR 3,000 of share capital</li> <li>• From EUR 25,001 to EUR 50,000 share capital: A fee of EUR 35 is added for each EUR 5,000 of share capital</li> <li>• From EUR 50,001 to EUR 200,000 share capital: A fee of EUR 120 is added for each EUR 15,000 of share capital</li> <li>• From EUR 200,001 to EUR 500,000 share capital: A fee of EUR 179 is added for each EUR 30,000 of share capital</li> </ul> <p>The cost schedule continues up to a maximum Fee of EUR 22,770 calculated on the basis of a nominal share capital equal or more than EUR 10,000,000 (maximum transaction value).</p> <p><i>Agency: Public Notary</i></p>		
3	<p><b>Open a bank account</b></p> <p>For a GmbH company, at least 50 percent of the initial capital must be paid up front.</p> <p><i>Agency: Bank</i></p>	1 day	no charge
4	<p><b>File the Articles of Association through the notary public at the local Commercial Register</b></p> <p>Applicants must submit to the Commercial Register by electronic form:</p> <ul style="list-style-type: none"> <li>• the notarized articles of association</li> <li>• the deed of appointment of the directors, if not included in the articles</li> <li>• a list of the company's shareholders</li> <li>• the assurance that the statutory minimum paid-in capital has been paid in to the free disposition of the management.</li> </ul> <p>Pursuant to the applicable registration laws, the Commercial Register must decide on the company's registration without undue delay. The Commercial Register publishes the registration on a central electronic platform (<a href="http://www.handelsregister.de">www.handelsregister.de</a>) and notifies the local Chamber of Industry and Commerce and the Tax Office of the new company.</p> <p><i>Agency: Notary Public</i></p>	7 days	<p>EUR 150 (registration fee) + EUR 250 (application for registration)</p>
5	<p><b>Notify the local Office of Business and Standards of the establishment of the company</b></p> <p>Certain businesses (e.g., restaurants and brokers) must apply for a trading permit (Gewerbelaubnis). However, the permit does not have to be presented at the time of the registration of the GmbH at the</p>	1 day	EUR 31

No.	Procedure	Time to complete	Cost to complete
	<p>commercial register. If no such permit is required, start-up companies must simply notify the local Trade Office, which issues a trading license (Gewerbeschein). This notification procedure also covers registration formalities with the Central Statistical Office, the relevant Chamber of Industry and Commerce, the local Labor Office, the Social Security and Federal Health Insurance Office.</p> <p><i>Agency: Local Trade Department (Gewerbeamt)</i></p>		
6	<p><b>* Register with the Professional Association of the relevant trade</b></p> <p>The professional associations are carriers of occupational accident insurance. Registration must be done within a week of the founding of the business after the notarization of the Articles of Association.</p> <p><i>Agency: Professional Association (Berufsgenossenschaft)</i></p>	<p>1 day (simultaneous with previous procedure)</p>	<p>no charge</p>
7	<p><b>* Notify the local Labor Office of the establishment of the company</b></p> <p>The notification can be in writing and/or over the phone. The Labor Office assigns an eight-digit operating number, which is needed to report to the Social Security Office.</p> <p><i>Agency: Local Labor Office</i></p>	<p>1 day (simultaneous with previous procedure)</p>	<p>no charge</p>
8	<p><b>* Register employees for health and social insurance</b></p> <p>The Social Security and Federal Health Insurance Office notifies the local Labor Office and the annuity insurance carrier (Deutsche Rentenversicherung Bund). It also collects payment for mandatory health, unemployment, and annuity insurance.</p> <p><i>Agency: Social Security Office</i></p>	<p>1 day (simultaneous with previous procedure)</p>	<p>no charge</p>
9	<p><b>* Mail out the documentation to the Tax Office</b></p> <p>Registration must be done within a month of the opening of the business and not later than a month after the notarization of the Articles of Association. After the Tax Office is notified of the company's business activity by the Trade Office, the Tax Office sends the company a questionnaire requesting the company's business data.</p>	<p>1 day (simultaneous with previous procedure)</p>	<p>no charge</p>

No.	Procedure	Time to complete	Cost to complete
	<i>Agency: Local Tax Office</i>		

\* Takes place simultaneously with another procedure.

Note: Online procedures account for 0.5 days in the total time calculation.

Source: *Doing Business* database.

## DEALING WITH CONSTRUCTION PERMITS

Regulation of construction is critical to protect the public. But it needs to be efficient, to avoid excessive constraints on a sector that plays an important part in every economy. Where complying with building regulations is excessively costly in time and money, many builders opt out. They may pay bribes to pass inspections or simply build illegally, leading to hazardous construction that puts public safety at risk. Where compliance is simple, straightforward and inexpensive, everyone is better off.

### What do the indicators cover?

*Doing Business* records the procedures, time and cost for a business in the construction industry to obtain all the necessary approvals to build a warehouse in the economy's largest business city, connect it to basic utilities and register the warehouse so that it can be used as collateral or transferred to another entity.

The ranking of economies on the ease of dealing with construction permits is determined by sorting their distance to frontier scores for dealing with construction permits. These scores are the simple average of the distance to frontier scores for each of the component indicators.

To make the data comparable across economies, *Doing Business* uses several assumptions about the business and the warehouse, including the utility connections.

The business:

- Is a limited liability company operating in the construction business and located in the largest business city. For the 11 economies with a population of more than 100 million, data for a second city have been added. Is domestically owned and operated.
- Has 60 builders and other employees.

The warehouse:

- Is valued at 50 times income per capita.
- Is a new construction (there was no previous construction on the land).

### WHAT THE DEALING WITH CONSTRUCTION PERMITS INDICATORS MEASURE

#### Procedures to legally build a warehouse (number)

Submitting all relevant documents and obtaining all necessary clearances, licenses, permits and certificates

Submitting all required notifications and receiving all necessary inspections

Obtaining utility connections for water and sewerage

Registering the warehouse after its completion (if required for use as collateral or for transfer of the warehouse)

#### Time required to complete each procedure (calendar days)

Does not include time spent gathering information

Each procedure starts on a separate day. Procedures that can be fully completed online are recorded as ½ day.

Procedure considered completed once final document is received

No prior contact with officials

#### Cost required to complete each procedure (% of warehouse value)

Official costs only, no bribes

- Will have complete architectural and technical plans prepared by a licensed architect or engineer.
- Will be connected to water and sewerage (sewage system, septic tank or their equivalent). The connection to each utility network will be 150 meters (492 feet) long.
- Will be used for general storage, such as of books or stationery (not for goods requiring special conditions).
- Will take 30 weeks to construct (excluding all delays due to administrative and regulatory requirements).



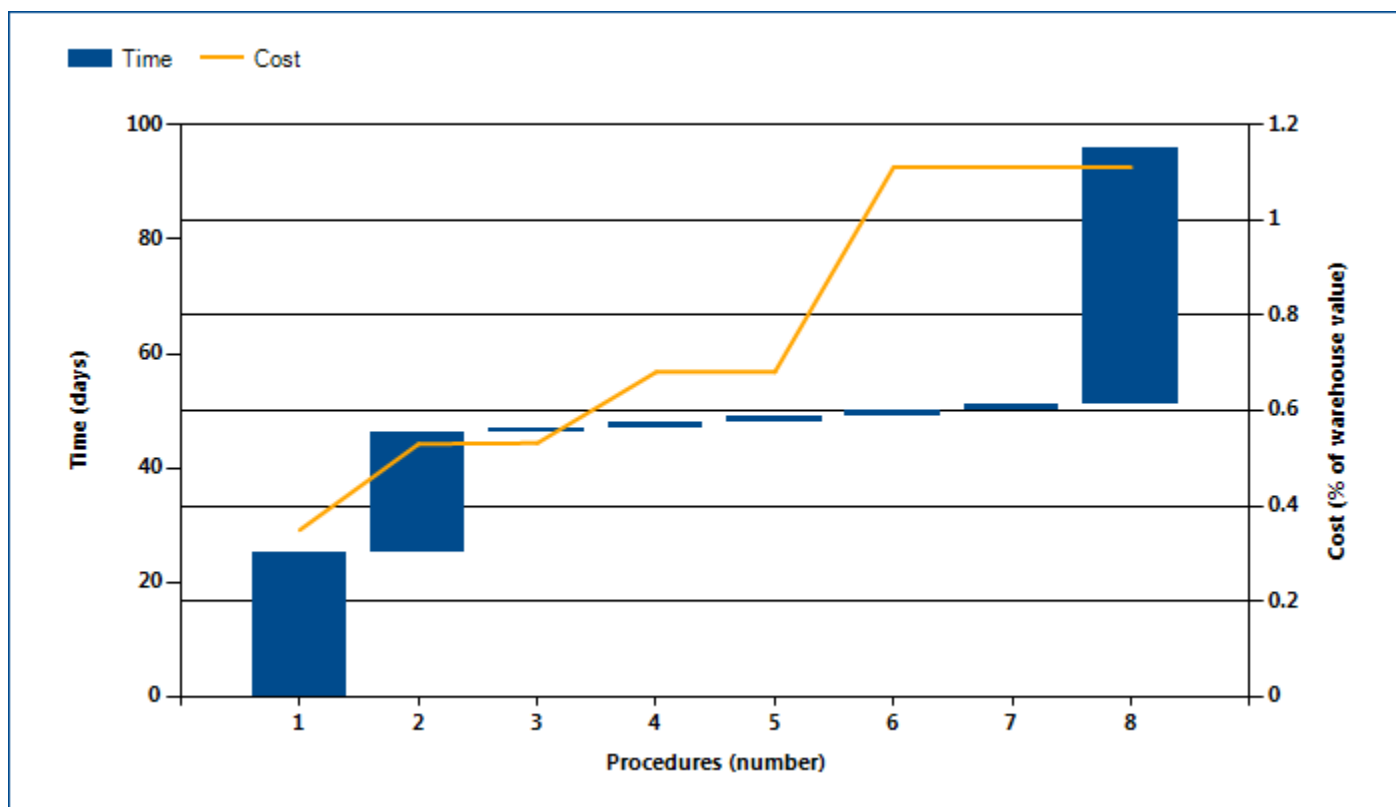
## DEALING WITH CONSTRUCTION PERMITS

### Where does the economy stand today?

What does it take to comply with the formalities to build a warehouse in Germany? According to data collected by *Doing Business*, dealing with construction permits there requires 8.0 procedures, takes 96.0 days and costs 1.1% of the warehouse value (figure 3.1). Most indicator sets refer to a case scenario in the largest business city of an

economy, except for 11 economies for which the data are a population-weighted average of the 2 largest business cities. See the chapter on distance to frontier and ease of doing business ranking at the end of this profile for more details.

Figure 3.1 What it takes to comply with formalities to build a warehouse in Germany -



*Note:* Time shown in the figure above may not reflect simultaneity of procedures. Online procedures account for 0.5 days in the total time calculation. For more information on the methodology of the dealing with construction permits indicators, see the *Doing Business* website (<http://www.doingbusiness.org>). For details on the procedures reflected here, see the summary at the end of this chapter.

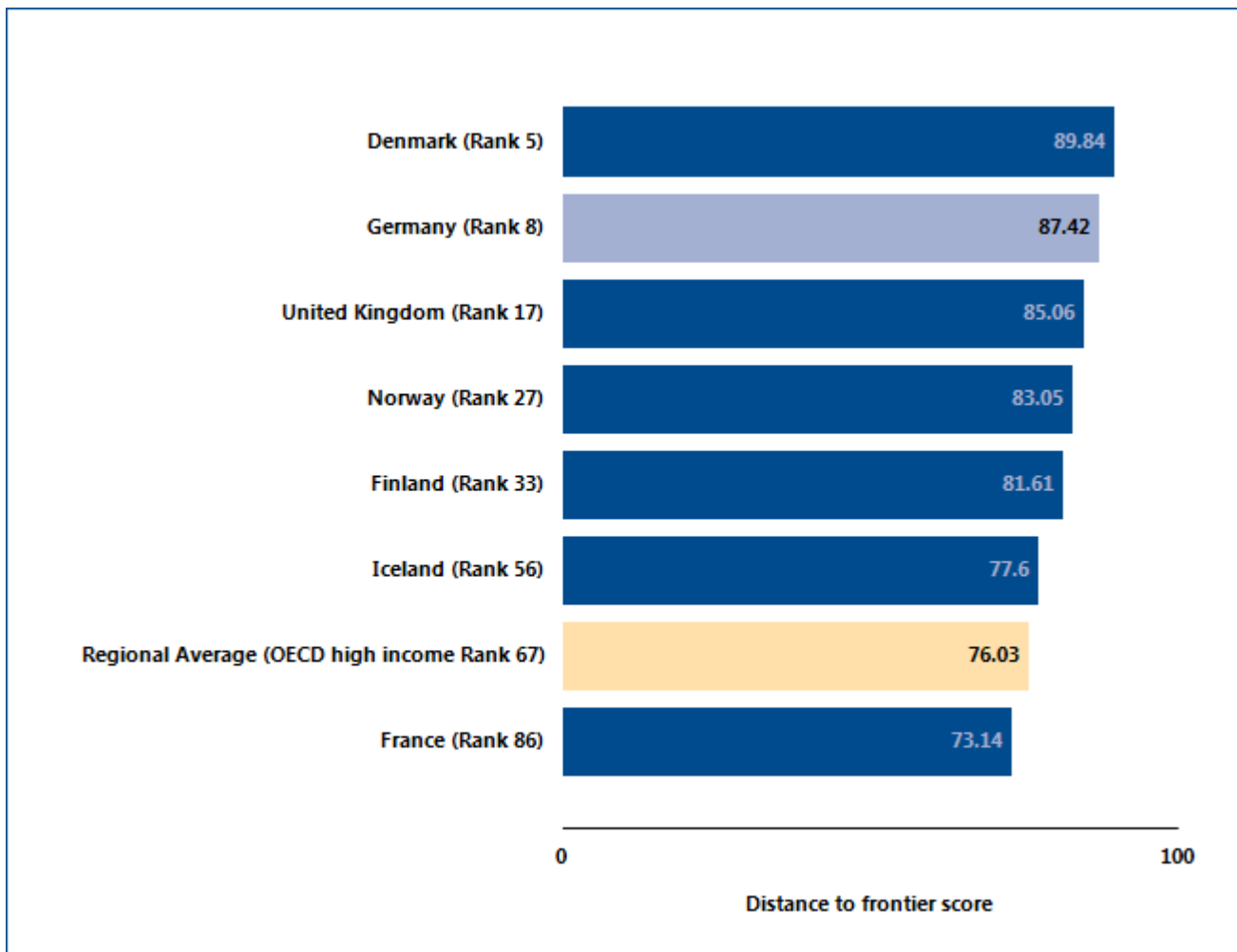
*Source:* *Doing Business* database.

### DEALING WITH CONSTRUCTION PERMITS

Globally, Germany stands at 8 in the ranking of 189 economies on the ease of dealing with construction permits (figure 3.2). The rankings for comparator economies and the regional average ranking provide

other useful information for assessing how easy it is for an entrepreneur in Germany to legally build a warehouse.

Figure 3.2 How Germany and comparator economies rank on the ease of dealing with construction permits



Source: Doing Business database.

## DEALING WITH CONSTRUCTION PERMITS

### What are the details?

The indicators reported here for Germany are based on a set of specific procedures—the steps that a company must complete to legally build a warehouse—identified by *Doing Business* through information collected from experts in construction licensing, including architects, civil engineers, construction lawyers, construction firms, utility service providers and public officials who deal with building regulations. These procedures are those that apply to a company and structure matching the standard assumptions used by *Doing Business* in collecting the data (see the section in this chapter on what the indicators cover).

#### BUILDING A WAREHOUSE

**Estimated cost of construction :** **EUR 1,744,968**

**City :** **Berlin**

The procedures, along with the associated time and cost, are summarized below.

Table 3.2 Summary of time, cost and procedures for dealing with construction permits in Germany -

No.	Procedure	Time to complete	Cost to complete
1	<p><b>Obtain building permit</b></p> <p>The building permit grants the right to build on a plot and authorizes construction as well. There are several building departments (Bauaufsichtsämter) located in the districts of Berlin. The location of the building site in Berlin determines which building department is responsible for issuing the building permit.</p> <p>To obtain a construction permit, BuildCo must provide the building authority with, among other documents, project design drawings, a building specification including a detailed description of the future use of the building, proof of stability, and other necessary proofs (e.g. heat insulation, sound insulation). The architect needs to sign the application for the building permit and must attach the design drawings, usually scaled at 1:100. Static calculations must be added. The building authority will produce static expert double-check calculations (carried out by a "Pruefstatiker"). The building authority will then forward the application to other relevant departments (e.g., the fire department, planning department).</p> <p>The Building Procedures Regulation (Bauverfahrensverordnung, abbreviated as BauVerfVO) was amended on 22nd March 2013. According to the amendment, the applicant is now obliged to submit the building permission procedure documents electronically in Portable Document (PDF/A).</p> <p>Under a revised Berlin State Law, the Building Code Berlin (Bauordnung Berlin, abbreviated as BauO Bln), effective September 29, 2005, amended by Regulation from June 29, 2011, certain constructions require only a simple building permit (Section 64 BauO Bln) or a waiver (Section 63 BauO Bln, maximum value EUR 3,000.00). In the case of a simplified building permit under Section 64 BauO Bln, the application will be deemed to be complete and sufficient unless the building department notifies the applicant to the contrary within three weeks of receiving the application. If the building department remains silent for four weeks, the application will be deemed granted and construction</p>	25 days	EUR 6,107

No.	Procedure	Time to complete	Cost to complete
	<p>may commence (Section 70, Paragraphs 3 and 4 BauO Bln, and Section 71, Paragraph 7, Item 1 BauO Bln). It is the duty of the architect or the engineer to supervise compliance of the construction project with the applicable state law.</p> <p>In addition, upon receiving the application for a normal building permit, the building department has to notify the applicant within 14 days if the application is complete or if additional documents or plans are required (Section 70, Paragraph 1 and 2 BauO Bln). If the applicant fails to amend the application within a period determined by the building authority, the application will be deemed abandoned. If the application is complete, the building department will contact other departments involved (i.e., the fire safety and public street supervision departments). If the other departments fail to make a decision within a month, they will be deemed to have consented to the issuance of the permit. If the application is not complete for the purpose of these other departments, then this period of a month is interrupted until the application is completed by the applicant. Upon receiving consent from the other departments, the building department again has a month to decide on the application for a building permit.</p> <p><i>Agency: Building Department</i></p>		
2	<p><b>Apply for approval of static calculation</b></p> <p>The building authority appoints an independent engineer (either from a private company or from within the authority) who is responsible for verifying the static calculations (the "Pruefingenieur").</p> <p>A legal certificate of static stability, issued by a "Pruefingenieur", must be available at the time of start of construction.</p> <p>The cost of an independent engineer to double-check the static stability is calculated by a Regulation concerning the work of the "Pruefingenieure" and the payment (Bautechnische Prüfungsverordnung, abbreviated as BauPrüfV, effective February 12, 2010, amended by Regulation from August 23, 2010). In the case of the warehouse considered here, the cost for an independent engineer is about EUR 3,150.00. The calculation is based on a volume of 3900 cubic meters and a chargeable building value of EUR 95 per cubic meters (Appendix 1 to Section 27 Paragraph 1 BauPrüfVO, Item 15). The chargeable building value amounts up to EUR 370,500.00 in accordance with the list. A structural framework of average difficulty considered ("Bauwerksklasse" 2-3, Appendix 2 to Section 27 Paragraph 4 BauPrüfVO) gives a basic fee of about EUR 3,150.00 for a legal certificate of static stability, issued by a "Pruefingenieur".</p> <p><i>Agency: Independent Engineer</i></p>	21 days	EUR 3,150

No.	Procedure	Time to complete	Cost to complete
3	<p><b>Receive fire safety inspection from District Chimney Sweeper</b></p> <p>Before completion of the building shell, BuildCo must provide the building authority with a certificate confirming the suitability of the chimneys. Such a certificate by the District Chimney Sweeper is mentioned in Section 81, Paragraph 4 BauO Bln. The cost is EUR 31.20 per hour (see Section 1, Paragraph 3, Item 3 a and Section 12 of the applicable city ordinance: Verordnung über die Kosten fürkehr und Überprüfungsarbeiten und Messungen durch den Bezirksschornsteinfegermeister in Berlin, abbreviated as KÜGebO, promulgated January 14, 1999, amended January 23, 2006). The inspection may take more than one hour, but it will not take more than a day. An appointment can be made on short notice, probably 1 -- 2 weeks before the day of inspection.</p> <p>This procedure is for fire safety and for the cases where the heating is done by gas boilers. However, some buildings in Berlin will use a so called "long distance heating" system to heat the building, which is essentially heating by hot water from a centralized boiler. In this case, this procedure would not be required.</p> <p><i>Agency: District Chimney Sweeper</i></p>	1 day	EUR 31
4	<p><b>Receive inspection of the building shell</b></p> <p>The notification must be made 2 weeks before the completion of the building shell. The building authority may then decide on its own whether it will inspect the site (the likelihood is 10%); 2 weeks after the notification, BuildCo may start with interior fittings.</p> <p><i>Agency: Building Department</i></p>	1 day	EUR 2,600
5	<p><b>Receive inspection after completion of the building ("Foermliche Bauabnahme")</b></p> <p>The notification must be made 2 weeks before the completion of the building shell. The building authority may then decide on its own whether it will inspect the site (the likelihood is 10%); 2 weeks after the notification, BuildCo may start to use the building.</p> <p><i>Agency: Building Department</i></p>	1 day	no charge
6	<p><b>* Apply for water connection</b></p> <p><i>Agency: Berliner Wasserbetriebe</i></p>	1 day	EUR 7,500

No.	Procedure	Time to complete	Cost to complete
7	<b>Receive inspection by water company</b> <i>Agency: Berliner Wasserbetriebe</i>	1 day	no charge
8	<b>Obtain water connection</b> <i>Agency: Berliner Wasserbetriebe</i>	45 days	no charge

\* Takes place simultaneously with another procedure.

Note: Online procedures account for 0.5 days in the total time calculation.

Source: Doing Business database.

## GETTING ELECTRICITY

Access to reliable and affordable electricity is vital for businesses. To counter weak electricity supply, many firms in developing economies have to rely on self-supply, often at a prohibitively high cost. Whether electricity is reliably available or not, the first step for a customer is always to gain access by obtaining a connection.

*What do the indicators cover?*

*Doing Business* records all procedures required for a local business to obtain a permanent electricity connection and supply for a standardized warehouse, as well as the time and cost to complete them. These procedures include applications and contracts with electricity utilities, clearances from other agencies and the external and final connection works. The ranking of economies on the ease of getting electricity is determined by sorting their distance to frontier scores for getting electricity. These scores are the simple average of the distance to frontier scores for each of the component indicators. To make the data comparable across economies, several assumptions are used.

The warehouse:

- Is owned by a local entrepreneur, located in the economy's largest business city, in an area where other warehouses are located. For the 11 economies with a population of more than 100 million, data for a second city have been added.
- Is not in a special economic zone where the connection would be eligible for subsidization or faster service.
- Is located in an area with no physical constraints (ie. property not near a railway).
- Is a new construction being connected to electricity for the first time.
- Is 2 stories, both above ground, with a total surface of about 1,300.6 square meters (14,000 square feet), is built on a plot of 929 square meters (10,000 square feet), is used for storage of refrigerated goods

The electricity connection:

- Is 150 meters long and is a 3-phase, 4-wire Y, 140-kilovolt-ampere (kVA) (subscribed capacity) connection.

### WHAT THE GETTING ELECTRICITY INDICATORS MEASURE

#### Procedures to obtain an electricity connection (number)

- Submitting all relevant documents and obtaining all necessary clearances and permits
- Completing all required notifications and receiving all necessary inspections
- Obtaining external installation works and possibly purchasing material for these works
- Concluding any necessary supply contract and obtaining final supply

#### Time required to complete each procedure (calendar days)

- Is at least 1 calendar day
- Each procedure starts on a separate day
- Does not include time spent gathering information
- Reflects the time spent in practice, with little follow-up and no prior contact with officials

#### Cost required to complete each procedure (% of income per capita)

- Official costs only, no bribes
- Excludes value added tax
- Is to either the low-voltage or the medium-voltage distribution network and either overhead or underground, whichever is more common in the area where the warehouse is located. Included only negligible length in the customer's private domain.
- Requires crossing of a 10-meter road but all the works are carried out in a public land, so there is no crossing into other people's private property.
- Involves installing one electricity meter. The monthly electricity consumption will be 26880 kilowatt hour (kWh). The internal electrical wiring has been completed.

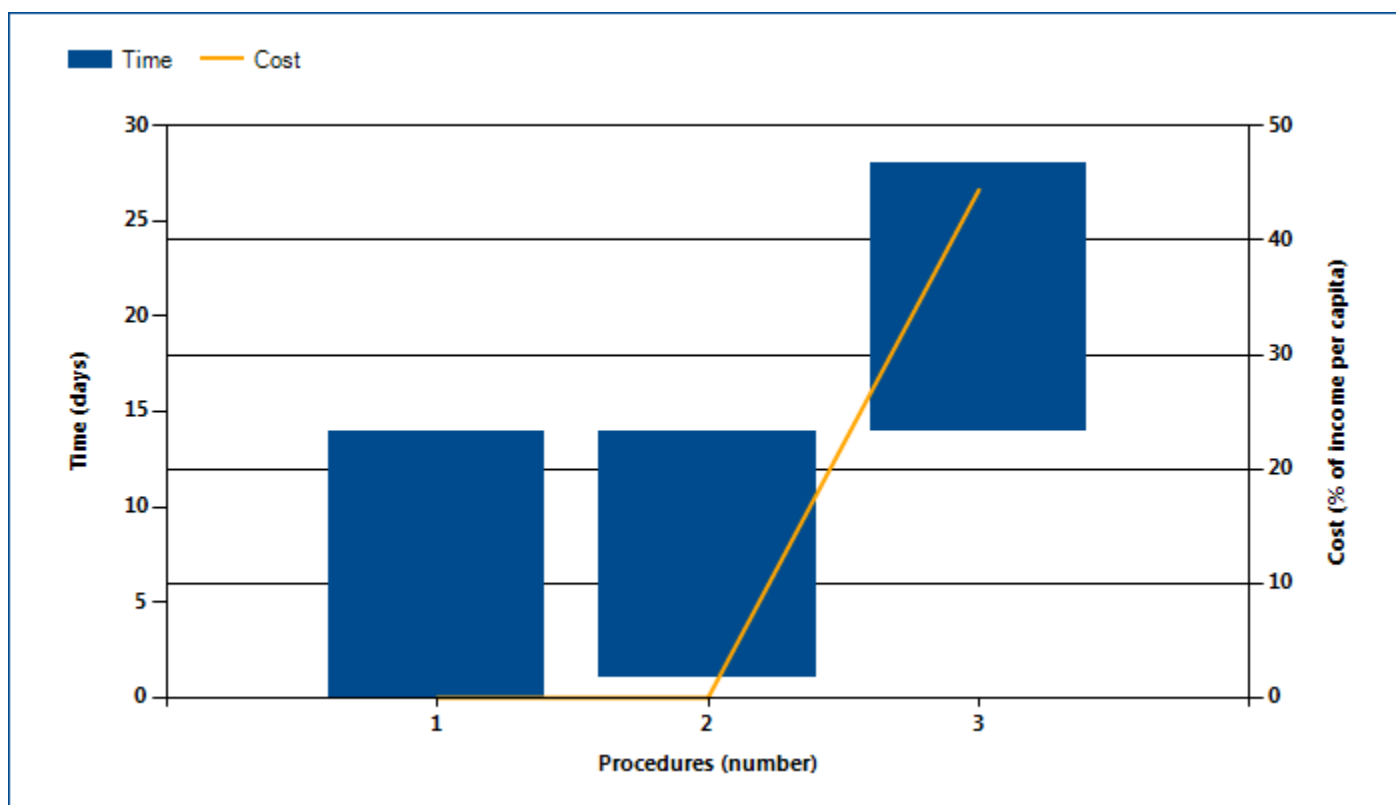
## GETTING ELECTRICITY

### Where does the economy stand today?

What does it take to obtain a new electricity connection in Germany? According to data collected by *Doing Business*, getting electricity there requires 3.0 procedures, takes 28.0 days and costs 44.4% of income per capita (figure 4.1).

Most indicator sets refer to a case scenario in the largest business city of an economy, except for 11 economies for which the data are a population-weighted average of the 2 largest business cities. See the chapter on distance to frontier and ease of doing business ranking at the end of this profile for more details.

Figure 4.1 What it takes to obtain an electricity connection in Germany -



Note: Time shown in the figure above may not reflect simultaneity of procedures. For more information on the methodology of the getting electricity indicators, see the *Doing Business* website (<http://www.doingbusiness.org>). For details on the procedures reflected here, see the summary at the end of this chapter.

Source: *Doing Business* database.

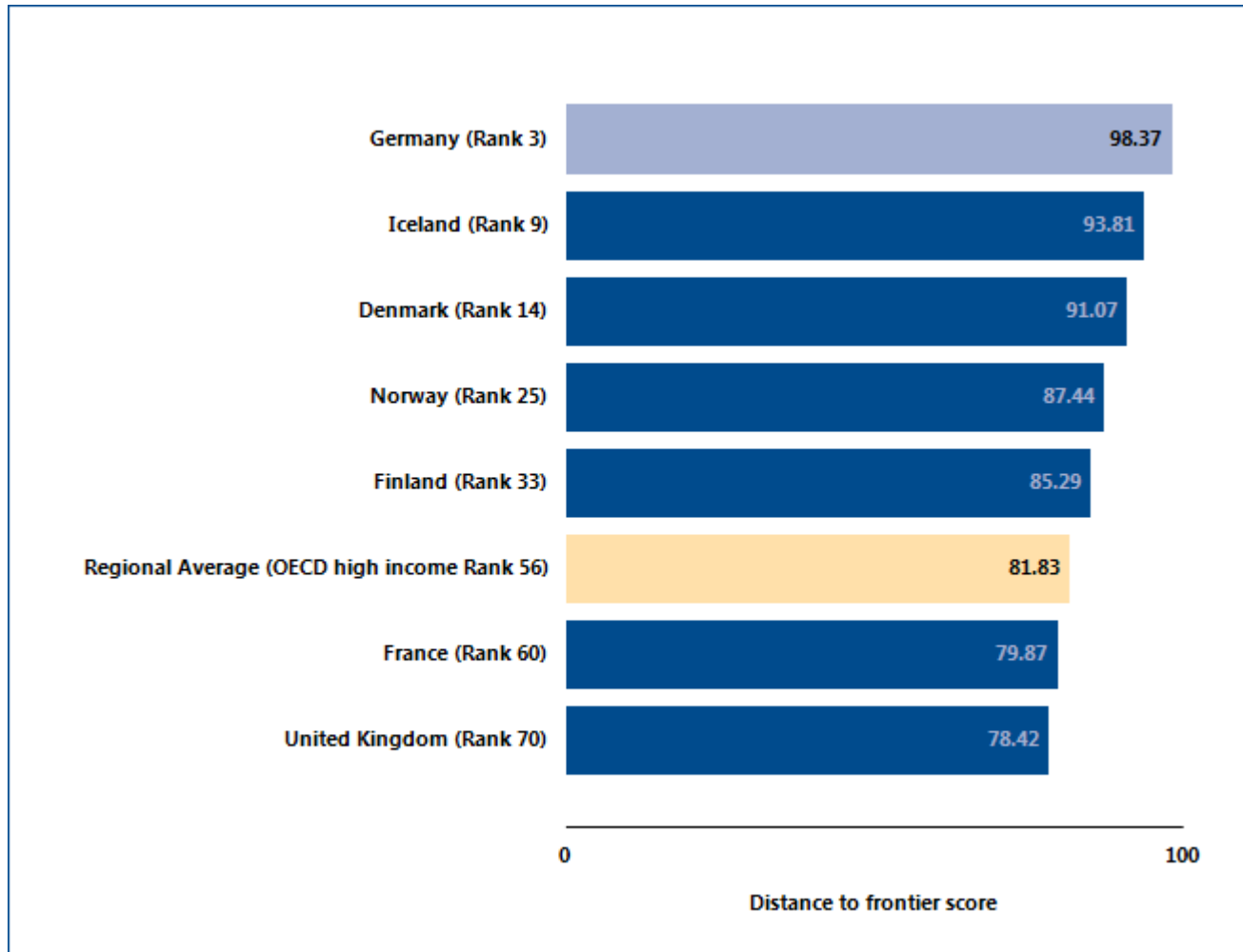


### GETTING ELECTRICITY

Globally, Germany stands at 3 in the ranking of 189 economies on the ease of getting electricity (figure 4.2). The rankings for comparator economies and the regional

average ranking provide another perspective in assessing how easy it is for an entrepreneur in Germany to connect a warehouse to electricity.

Figure 4.2 How Germany and comparator economies rank on the ease of getting electricity



Source: Doing Business database.

## GETTING ELECTRICITY

### What are the details?

The indicators reported here for Germany are based on a set of specific procedures—the steps that an entrepreneur must complete to get a warehouse connected to electricity by the local distribution utility—identified by *Doing Business*. Data are collected from the distribution utility, then completed and verified by electricity regulatory agencies and independent professionals such as electrical engineers, electrical contractors and construction companies. The electricity distribution utility surveyed is the one serving the area (or areas) in which warehouses are located. If there is a choice of distribution utilities, the one serving the largest number of customers is selected.

#### OBTAINING AN ELECTRICITY CONNECTION

<b>Name of utility:</b>	<b>Vattenfall Europe Distribution Berlin GmbH</b>
<b>City:</b>	<b>Berlin</b>

The procedures are those that apply to a warehouse and electricity connection matching the standard assumptions used by *Doing Business* in collecting the data (see the section in this chapter on what the indicators cover). The procedures, along with the associated time and cost, are summarized below.

Table 4.2 Summary of time, cost and procedures for getting electricity in Germany -

No.	Procedure	Time to complete	Cost to complete
1	<p><b>Conclude supply agreement with electricity supplier</b></p> <p>The customer concludes a supply contract with Vattenfall Sales (VE Sales) Berlin. The customer selects a tariff on the website of VE Sales or the customer has a conversation with a representative of the business client team at VE Sales. Afterwards, the customer concludes a supply contract.</p> <p><i>Agency: Vattenfall Europe Sales GmbH</i></p>	14 calendar days	EUR 0
2	<p><b>* Submit application with Vattenfall Europe Distribution Berlin GmbH and await and accept estimate</b></p> <p>The application can be submitted online by email. Documents to be submitted are: Architect’s plan indicating the room for the grid connection, a route in the building and on the lot for the cable, power performance balance for the building, technical information of the connection, registration number of the electrician and map of the area (“Flurplan”). The application can only be submitted by a registered electrician with the utility. This is required because the application is also of technical nature and technical information is required in the application form. The electrician responsible for the internal wiring of the warehouse has to be listed at the local distribution system operator (Full License) or via a “guest pass” from another German distribution system operator (Guest License). There are no costs for the registration process. The installer identification from any other DSO of the electrician or the Master craftsman’s diploma, trading license and a standard form of the distribution operator is needed for the listing process. To be authorized to install internal wiring in a house, an electrician has to be a Master electrician (“Elektromeister”). Master electrician (“Elektromeister”) means</p>	12 calendar days	EUR 0

No.	Procedure	Time to complete	Cost to complete
	<p>he/she is licensed with the Chamber of Commerce and has a Craftsman Diploma. This is the general procedure and requirement to be allowed to work as electrician in Germany and to do the internal wiring in a house. The Master electrician ("Elektromeister") is always legally responsible for the internal wiring. All Master electricians ("Elektromeister") in Berlin are registered with Vattenfall. This license is valid for all his/her projects in the area of the local DSO. Electricians working in the field of industrial (warehouses) connections are registered with Vattenfall in a second form through training. Those electricians receive a number ("Installateurnummer") and are allowed to install the meter. All electricians in Berlin that are working in the field of industrial (warehouses) connections are certified by Vattenfall. The list of those certified electricians is on the website of Vattenfall and can be obtained at the Guild of electricians ("Elektroinnung") as well. There is no external and no internal inspection. The internal wiring is never inspected by Vattenfall DSO, as they trust the electricians through a process of registration and diplomas.</p> <p><i>Agency: Vattenfall Europe Distribution Berlin GmbH</i></p>		
<p><b>3</b></p>	<p><b>Make payment and await completion of external connection works and meter installation by Vattenfall Europe Distribution Berlin GmbH</b></p> <p>The customer is paying the estimate at a bank through a wire transfer. The required external connection works are underground work for the cable, building of metering, building of the grid connection, and connection of the building to the grid. The meter gets installed at the same time when the connection is done and by the same or another department if the meter installation is done by Vattenfall DSO. However, in most of the cases, the private electrician (the Master electrician) who did the internal wiring would install the meter. At this moment, this private electrician has to hand over to Vattenfall DSO a form ("Errichterbescheinigung") that certifies that he installed the internal wiring according to technical and safety standards. In 98% of all cases, the internal wiring and the external connection works are done at the same time and usually the external connection works are completed before the internal wiring as this is usually more complex. Electricity starts flowing immediately.</p> <p><i>Agency: Vattenfall Europe Distribution Berlin GmbH</i></p>	<p>14 calendar days</p>	<p>EUR 15,500</p>

\* Takes place simultaneously with another procedure.

Source: Doing Business database.

## REGISTERING PROPERTY

Ensuring formal property rights is fundamental. Effective administration of land is part of that. If formal property transfer is too costly or complicated, formal titles might go informal again. And where property is informal or poorly administered, it has little chance of being accepted as collateral for loans—limiting access to finance.

### What do the indicators cover?

*Doing Business* records the full sequence of procedures necessary for a business to purchase property from another business and transfer the property title to the buyer's name. The transaction is considered complete when it is opposable to third parties and when the buyer can use the property, use it as collateral for a bank loan or resell it. The ranking of economies on the ease of registering property is determined by sorting their distance to frontier scores for registering property. These scores are the simple average of the distance to frontier scores for each of the component indicators. To make the data comparable across economies, several assumptions about the parties to the transaction, the property and the procedures are used.

The parties (buyer and seller):

- Are limited liability companies, 100% domestically and privately owned and perform general commercial activities.
- Are located in the economy's largest business city<sup>2</sup>.
- Have 50 employees each, all of whom are nationals.

The property (fully owned by the seller):

- Has a value of 50 times income per capita. The sale price equals the value.
- Is registered in the land registry or cadastre, or both, and is free of title disputes.
- Property will be transferred in its entirety.

### WHAT THE REGISTERING PROPERTY INDICATORS MEASURE

#### Procedures to legally transfer title on immovable property (number)

Preregistration (for example, checking for liens, notarizing sales agreement, paying property transfer taxes)

Registration in the economy's largest business city<sup>2</sup>

Postregistration (for example, filing title with the municipality)

#### Time required to complete each procedure (calendar days)

Does not include time spent gathering information

Each procedure starts on a separate day. Procedures that can be fully completed online are recorded as ½ day.

Procedure considered completed once final document is received

No prior contact with officials

#### Cost required to complete each procedure (% of property value)

Official costs only, no bribes

No value added or capital gains taxes included

- Is located in a periurban commercial zone, and no rezoning is required.
- Has no mortgages attached, has been under the same ownership for the past 10 years.
- Consists of 557.4 square meters (6,000 square feet) of land and a 10-year-old, 2-story warehouse of 929 square meters (10,000 square feet). The warehouse is in good condition and complies with all safety standards, building codes and legal requirements. There is no heating system.

<sup>2</sup> For the 11 economies with a population of more than 100 million, data for a second city have been added.

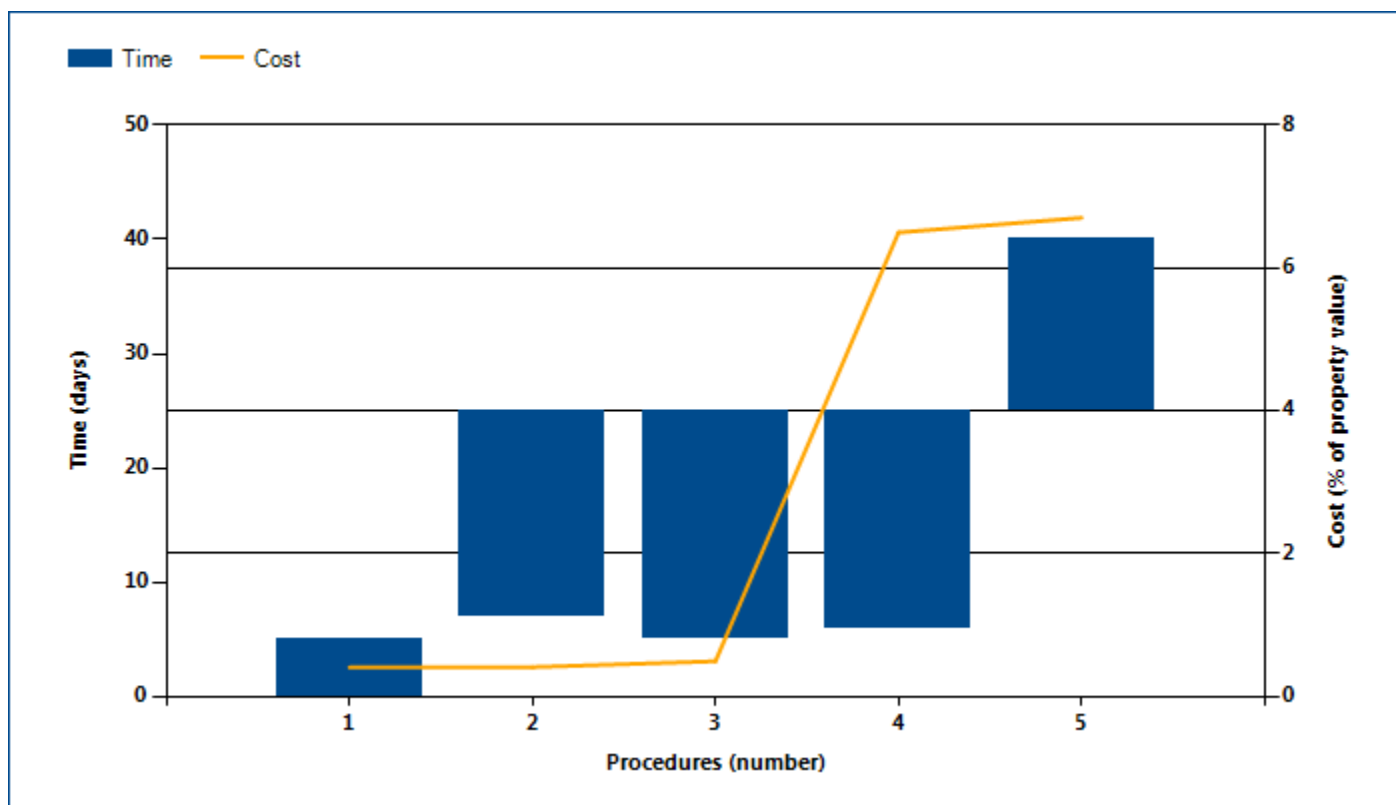
## REGISTERING PROPERTY

### Where does the economy stand today?

What does it take to complete a property transfer in Germany? According to data collected by *Doing Business*, registering property there requires 5.0 procedures, takes 40.0 days and costs 6.7% of the property value (figure 5.1).

Most indicator sets refer to a case scenario in the largest business city of an economy, except for 11 economies for which the data are a population-weighted average of the 2 largest business cities. See the chapter on distance to frontier and ease of doing business ranking at the end of this profile for more details.

Figure 5.1 What it takes to register property in Germany -



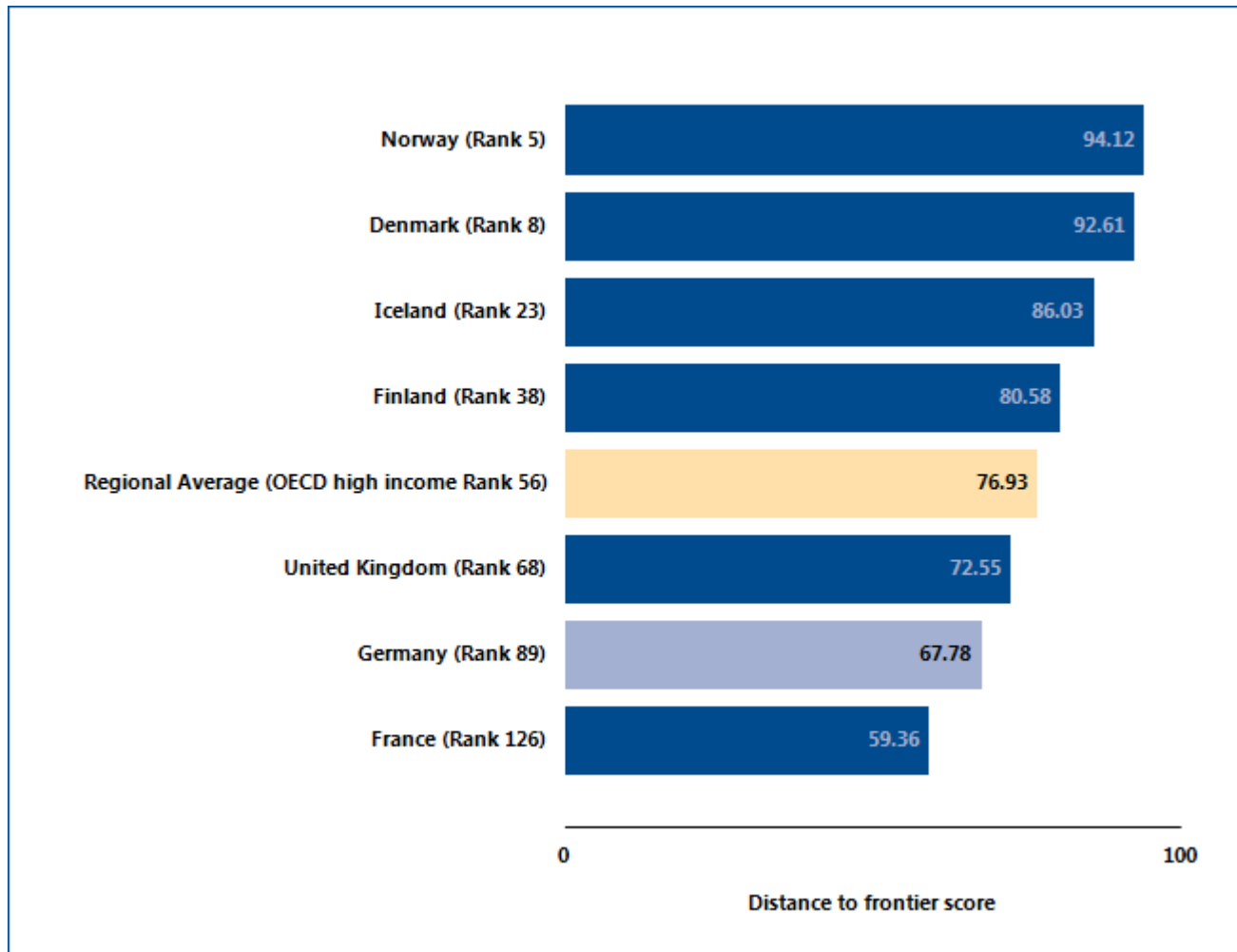
*Note:* Time shown in the figure above may not reflect simultaneity of procedures. Online procedures account for 0.5 days in the total time calculation. For more information on the methodology of the registering property indicators, see the *Doing Business* website (<http://www.doingbusiness.org>). For details on the procedures reflected here, see the summary at the end of this chapter.  
*Source:* *Doing Business* database.

### REGISTERING PROPERTY

Globally, Germany stands at 89 in the ranking of 189 economies on the ease of registering property (figure 5.2). The rankings for comparator economies and the

regional average ranking provide other useful information for assessing how easy it is for an entrepreneur in Germany to transfer property.

Figure 5.2 How Germany and comparator economies rank on the ease of registering property



Source: Doing Business database.

## REGISTERING PROPERTY

Economies worldwide have been making it easier for entrepreneurs to register and transfer property—such as by computerizing land registries, introducing time limits for procedures and setting low fixed fees. Many have cut

the time required substantially—enabling buyers to use or mortgage their property earlier. What property registration reforms has *Doing Business* recorded in Germany (table 5.1)?

Table 5.1 How has Germany made registering property easier—or not?

By *Doing Business* report year from DB2010 to DB2015

DB year	Reform
<b>DB2015</b>	Germany made it more expensive to register property by increasing the property transfer tax.

*Note:* For information on reforms in earlier years (back to DB2005), see the *Doing Business* reports for these years, available at <http://www.doingbusiness.org>.

*Source:* *Doing Business* database.

## REGISTERING PROPERTY

### What are the details?

The indicators reported here are based on a set of specific procedures—the steps that a buyer and seller must complete to transfer the property to the buyer’s name—identified by *Doing Business* through information collected from local property lawyers, notaries and property registries. These procedures are those that apply to a transaction matching the standard assumptions used by *Doing Business* in collecting the data (see the section in this chapter on what the indicators cover).

STANDARD PROPERTY TRANSFER	
Property value:	EUR 1,744,968
City:	Berlin

The procedures, along with the associated time and cost, are summarized below.

Table 5.2 Summary of time, cost and procedures for registering property in Germany

No.	Procedure	Time to complete	Cost to complete
1	<p><b>The notary obtains an extract from the Land Registry and notarizes the transfer agreement</b></p> <p>The notary obtains the information referred to the property, e.g. from the land registry to "name" the object in the contract and to see if it is free of burdens and mortgages. A notary has a privileged access to the land register to obtain the extracts. Some of the notaries have on-line access to such land registers which are already converted to electronic land registers. They are in the position to review the extracts very shortly before the notarization from their own offices. The land registry in Berlin is entirely computerized, and so extracts can be obtained online. The notary will also notarize the sale and transfer agreement. This is a necessary form requirement according to Germany statutory law. Notary's fees are fixed by law and depend on the property price. In our case it is EUR 4794 but the fee varies depending on additional measures needed in each individual case. A notary will generally examine the land register extracts. In exceptional cases there might not be sufficient time, for example because he has been asked by the parties to notarize a sale and transfer agreement within a very short time period. If he is willing in such cases to notarize the agreement he will provide for a clause to exclude his liability that he has not reviewed the land register but that the parties have asked him, nevertheless, to notarize the document. If the notary has not prepared the draft sale and transfer agreement he asks for the draft agreement to be provided in advance for his review. The usual Procedure is that the notary examines the draft and provides the parties with comments as regards legal and technical aspects.</p> <p><i>Agency: Land Registry 'Grundbuchamt'</i></p>	5 days	<p>The extract (Gebührensatz): Authentication (2.0 fee) + Support (0.5 fee), both based on property value. A full 1.0 fee (Gebühr): First EUR 500= EUR 15 Up to EUR 2,000 an increase of EUR 4 for every EUR 500 Up to EUR 10,000 an increase of EUR 6 for every EUR 1,000 Up to EUR 25,000 an increase of EUR 8 for every EUR 3,000 Up to EUR 50,000 an increase of EUR 10 for every EUR 5,000 Up to EUR 200,000 an increase of EUR 27 for every EUR 15,000 Up to EUR 500,000 an increase of EUR 50 for every EUR 30,000 Up to EUR</p>



No.	Procedure	Time to complete	Cost to complete
			5,000,000 an increase of EUR 80 for every EUR 50,000Up to EUR 10,000,000 an increase of EUR 130 for every EUR 200,000Up to EUR 20,000,000 an increase of EUR 150 for every EUR 250,000Up to EUR 30,000,000 an increase of EUR 280 for every EUR 500,000Above EUR 30,000,000 an increase of EUR 120 for every EUR 1,000,000
2	<p><b>Obtain waiver of preemption rights with the municipality</b></p> <p>The consent or negative attest of the competent authority regarding any statutory pre-emption rights is required and applicable to all properties in Berlin. The civil council ("Bezirksamt") issues the consent or a negative attest to the transaction. The time limit given by the statute is that the civil council may exercise the right of pre-emption two months (preclusion period) after the delivery of a copy of the notarised sale and transfer agreement (The notary is usually requested to execute the agreement). The city council usually responds within two months even if it does not exercise the pre-emption right. The respective preemption right for the public authorities/civil council mentioned in the survey is regulated under Section 24, 25 and 28 German Federal Building Code (Baugesetzbuch) and Section 66 German Federal Nature Conservation Act (Bundesnaturschutzgesetz). Under specific circumstances the public authorities could have a statutory preemption right to coordinate the urban land-use planning. These rules are applicable to all properties in Berlin. It is necessary therefore to provide the land register with either a consent of the public authorities to the transfer or an attest that the statutory right of preemption either does not exist or is not exercised.</p> <p><i>Agency: Municipality</i></p>	2 weeks and up to 2 months (simultaneous with Procedure 3 and 4)	EUR 100 (consent of negative attest of city council)

No.	Procedure	Time to complete	Cost to complete
3	<p><b>* Fulfillment of the pre-conditions for the validity of the purchase price and notarize sale agreement</b></p> <p>The following pre conditions have to be fulfilled for the maturity of the purchase price:</p> <p>(i) Consent or negative attest of the competent authority regarding any statutory pre-emption rights, applicable to all properties in Berlin.  (ii) Registration of the priority notice in the Land Register (not mandatory but usual practice to secure the purchasers rank in the land register and avoid a third party purchasing the property in good faith).  (iii) Consent to the cancellation of existing encumbrances  (i)The civil council ("Bezirksamt") issues the consent or a negative attest to the transaction. The time limit given by the statute is that the civil council may exercise the right of pre-emption two months after informing the civil council of the notarised sale and transfer agreement.  (ii)The priority notice prevents a purchase by a third party of good faith between the conclusion of the purchase agreement and registration of the purchaser; it usually ranks after the existing encumbrances and prior to any future encumbrances at the time of notarisation. This notice provides a very high level of legal and economic security and certainty. Upon registration, the notice protects against all intervening interests (including seller's insolvency) pending completion of the transaction and actual change in registered ownership. By use of this notice, a purchaser is legally protected against potential risks at an extremely early stage of the conveyancing transaction. Therefore, such notation is generally entered in the public register by the notary immediately following authentication of the purchase contract. From that moment onward, the purchaser can rest assured that he can acquire title to the property if all prerequisites to maturity of the purchase price are fulfilled.</p> <p>The items (i, ii, and iii) above which are not accepted or taken over by the purchaser have to be in place. It might take substantial time to obtain them, particularly if they have come from public authorities. Such consents will be delivered to the notary and will usually be presented to the land register later when applying for the registration of the new owner (Procedure 4).  Registration fee of the priority notice depends on the value of the property.</p> <p>If all pre-conditions to the maturity "Fälligkeit" of the purchase price, usually collected and examined by the notary, have been fulfilled, the notary issues a statement of maturity "Fälligkeitsmitteilung" to the purchaser. The purchaser is then obliged to pay the purchase price. The payment is evidenced by the seller confirming payment or a bank statement.  If the respective declarations in rem have already been provided for in the sale and transfer agreement, the notary is usually bound by an escrow agreement not to forward them to the land register until the purchase price has been paid.  In case of real property the law says the agreement has to be notarized</p>	20 days (simultaneous with Procedure 2 and 4)	EUR 1388 (registration fee of priority notice, 5/10 fee)

No.	Procedure	Time to complete	Cost to complete
	<p>(Section 311b German Civil Code). The transfer of title of a real property, governed by the law of disposition "Sachenrecht", also has to be in a certain form: the declarations in rem, which are in a format according to the land register regulation (Grundbuchordnung), and the transfer has to be registered in the land register. Such declarations in rem which are pre-conditions to the registration of the purchaser to be registered as new owner may either already be in the notarial deed or be given in a separate notarial deed.</p> <p><i>Agency: Land Registry</i></p>		
4	<p><b>* Payment of the transfer tax and obtaining the confirmation</b></p> <p>The notary is obliged to provide a copy of each notarised sale and transfer agreement to the responsible tax authority. The tax authority will then issue a tax assessment and send it to the purchaser. The land register clerk will not register the purchaser as new owner if the transfer tax has not been paid. After payment of the real estate transfer tax, the tax authority will issue a statement of innocuousness (Unbedenklichkeitsbescheinigung) and send it to the notary for presentation to the land register. It may be expected that such statement will be issued within two months following the notarisation. The tax amounts to 5% of the purchase price in Berlin; the tax in the remaining states within Germany is 3.5% to 5% of the purchase price.</p> <p><i>Agency: Tax Authority 'Finanzamt'</i></p>	15 days, possibly up to one month (simultaneous with Procedure 2 and 3)	6% of purchase price
5	<p><b>Application for the registration of the new owner and deletion of the priority notice to the land register</b></p> <p>After the purchase price has been paid and the tax authorities have provided the innocuousness statement, an application for the registration of the purchaser as new owner and deletion of the priority notice is submitted. A registration fee is paid depending on the property value. The deletion fee for the cancellation of the priority notice also depends on the value. It is important to note that there is a possibility to register the title through an expedited Procedure, whereby the notary acts as a Trustee and the client can pay through a trust account (Notartreuhandkonto). This makes it possible to obtain the legal title faster, possibly in 2-5 days. However, this occurs only with a small proportion of property title transfers. The documentation shall include:</p> <ul style="list-style-type: none"> <li>• Statement of Innocuousness (obtained in Procedure 3)</li> <li>• Consent of public authority/civil council to the transfer or attest that the statutory right of pre-emption either does not exist or is not exercised (obtained after Procedure 2)</li> <li>• Consents to the cancellation (obtained in Procedure 2 and sent to the notary)</li> <li>• Declarations in rem "dingliche Erklärungen" for the registration of the purchaser as owner</li> </ul> <p><i>Agency: Land Register</i></p>	up to one month	EUR 2,775 (Registration Fee, a 10/10 fee) + EUR 694 (¼ fee for the deletion of the priority notice)

No.	Procedure	Time to complete	Cost to complete

\* Takes place simultaneously with another procedure.

Note: Online procedures account for 0.5 days in the total time calculation.

Source: *Doing Business* database.

## GETTING CREDIT

Two types of frameworks can facilitate access to credit and improve its allocation: credit information systems and borrowers and lenders in collateral and bankruptcy laws. Credit information systems enable lenders' rights to view a potential borrower's financial history (positive or negative)—valuable information to consider when assessing risk. And they permit borrowers to establish a good credit history that will allow easier access to credit. Sound collateral laws enable businesses to use their assets, especially movable property, as security to generate capital—while strong creditors' rights have been associated with higher ratios of private sector credit to GDP.

### What do the indicators cover?

*Doing Business* assesses the sharing of credit information and the legal rights of borrowers and lenders with respect to secured transactions through 2 sets of indicators. The depth of credit information index measures rules and practices affecting the coverage, scope and accessibility of credit information available through a credit registry or a credit bureau. The strength of legal rights index measures whether certain features that facilitate lending exist within the applicable collateral and bankruptcy laws. *Doing Business* uses two case scenarios, Case A and Case B, to determine the scope of the secured transactions system, involving a secured borrower and a secured lender and examining legal restrictions on the use of movable collateral (for more details on each case, see the Data Notes section of the *Doing Business 2015* report). These scenarios assume that the borrower:

- Is a private limited liability company.
- Has its headquarters and only base of operations in the largest business city. For the 11 economies with a population of more than 100 million, data for a second city have been added.

### WHAT THE GETTING CREDIT INDICATORS MEASURE

#### Strength of legal rights index (0–12)<sup>3</sup>

Rights of borrowers and lenders through collateral laws

Protection of secured creditors' rights through bankruptcy laws

#### Depth of credit information index (0–8)<sup>4</sup>

Scope and accessibility of credit information distributed by credit bureaus and credit registries

#### Credit bureau coverage (% of adults)

Number of individuals and firms listed in largest credit bureau as percentage of adult population

#### Credit registry coverage (% of adults)

Number of individuals and firms listed in credit registry as percentage of adult population

- Has up to 50 employees.
- Is 100% domestically owned, as is the lender.

The ranking of economies on the ease of getting credit is determined by sorting their distance to frontier scores for getting credit. These scores are the distance to frontier score for the strength of legal rights index and the depth of credit information index.

<sup>3</sup> For the legal rights index, 2 new points are added in *Doing Business 2015* for new data collected to assess the overall legal framework for secured transactions and the functioning of the collateral registry.

<sup>4</sup> For the credit information index, 2 new points are added in *Doing Business 2015* for new data collected on accessing borrowers' credit information online and availability of credit scores.

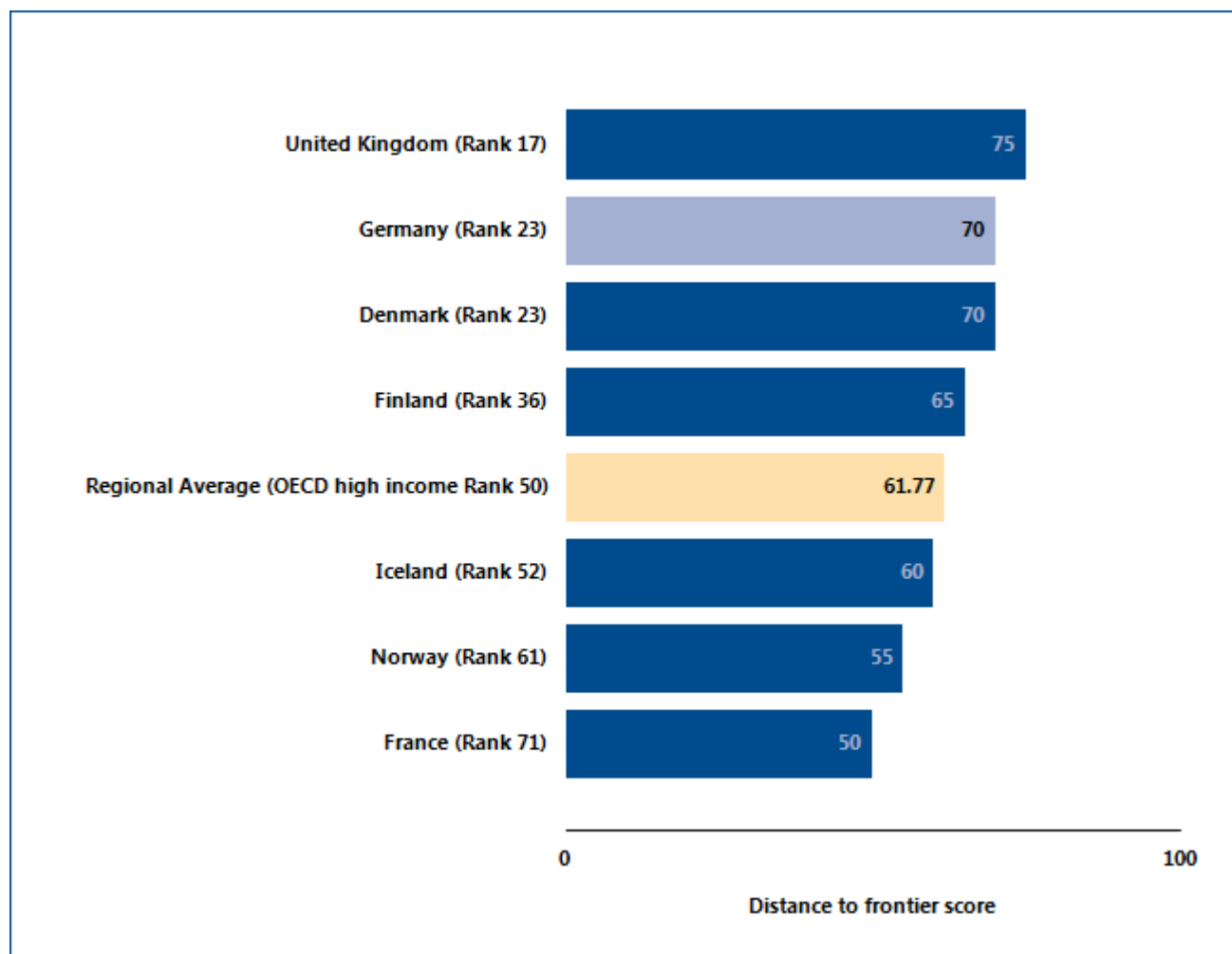
## GETTING CREDIT

### Where does the economy stand today?

How well do the credit information system and collateral and bankruptcy laws in Germany facilitate access to credit? The economy has a score of 8 on the depth of credit information index and a score of 6 on the strength of legal rights index (see the summary of scoring at the end of this chapter for details). Higher scores indicate more credit information and stronger legal rights for borrowers and lenders.

Globally, Germany stands at 23 in the ranking of 189 economies on the ease of getting credit (figure 6.1). The rankings for comparator economies and the regional average ranking provide other useful information for assessing how well regulations and institutions in Germany support lending and borrowing.

Figure 6.1 How Germany and comparator economies rank on the ease of getting credit



Source: Doing Business database.

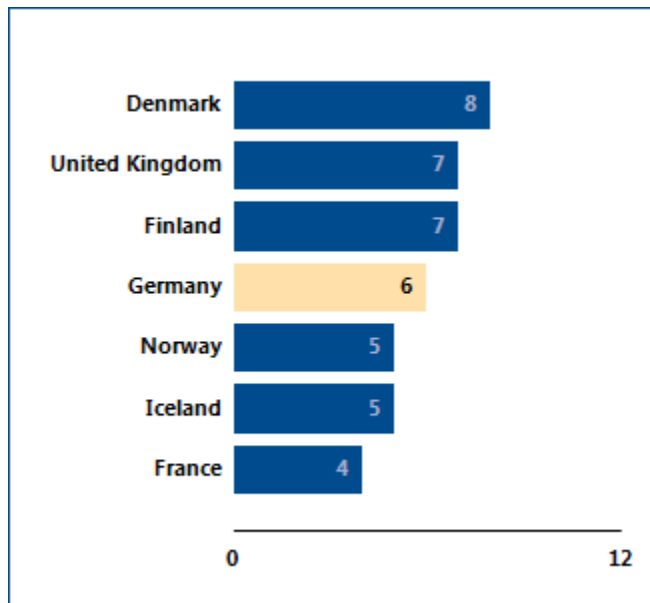
### GETTING CREDIT

One way to put an economy’s score on the getting credit indicators into context is to see where the economy stands in the distribution of scores across economies. Figure 6.2 highlights the score on the strength of legal

rights index for Germany and shows the scores for comparator economies as well as the regional average score. Figure 6.3 shows the same for the depth of credit information index.

Figure 6.2 How strong are legal rights for borrowers and lenders?

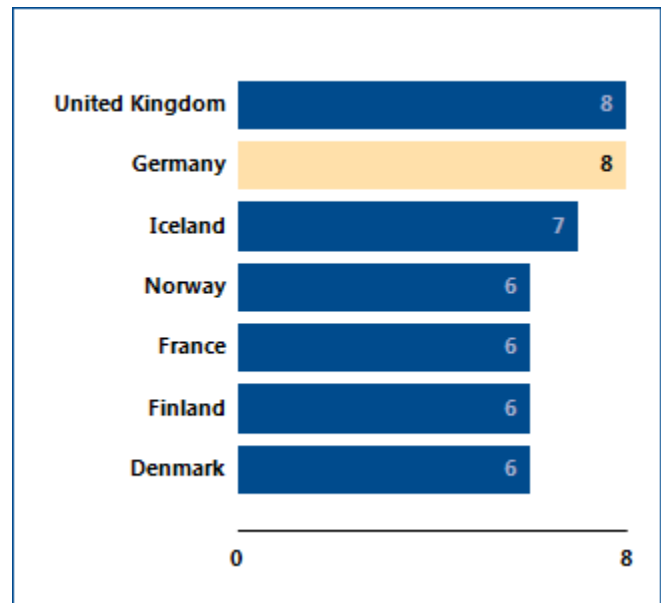
Economy scores on strength of legal rights index



Note: Higher scores indicate that collateral and bankruptcy laws are better designed to facilitate access to credit.  
Source: Doing Business database.

Figure 6.3 How much credit information is shared—and how widely?

Economy scores on depth of credit information index



Note: Higher scores indicate the availability of more credit information, from either a credit registry or a credit bureau, to facilitate lending decisions. If the credit bureau or registry is not operational or covers less than 5% of the adult population, the total score on the depth of credit information index is 0.  
Source: Doing Business database.

## GETTING CREDIT

### What are the details?

The getting credit indicators reported here for Germany are based on detailed information collected in that economy. The data on credit information sharing are collected through a survey of a credit registry and/or credit bureau (if one exists). To construct the depth of credit information index, a score of 1 is assigned for each of 8 features of the credit registry or credit bureau (see summary of scoring below).

The data on the legal rights of borrowers and lenders are gathered through a survey of financial lawyers and verified through analysis of laws and regulations as well as public sources of information on collateral and bankruptcy laws. For the strength of legal rights index, a score of 1 is assigned for each of 10 aspects related to legal rights in collateral law and 2 aspects in bankruptcy law.

Strength of legal rights index (0–12)	Index score: 6
Does an integrated or unified legal framework for secured transactions that extends to the creation, publicity and enforcement of functional equivalents to security interests in movable assets exist in the economy?	No
Does the law allow businesses to grant a non possessory security right in a single category of movable assets, without requiring a specific description of collateral?	Yes
Does the law allow businesses to grant a non possessory security right in substantially all of its assets, without requiring a specific description of collateral?	No
May a security right extend to future or after-acquired assets, and may it extend automatically to the products, proceeds or replacements of the original assets?	Yes
Is a general description of debts and obligations permitted in collateral agreements; can all types of debts and obligations be secured between parties; and can the collateral agreement include a maximum amount for which the assets are encumbered?	Yes
Is a collateral registry in operation for both incorporated and non-incorporated entities, that is unified geographically and by asset type, with an electronic database indexed by debtor's name?	No
Does a notice-based collateral registry exist in which all functional equivalents can be registered?	No
Does a modern collateral registry exist in which registrations, amendments, cancellations and searches can be performed online by any interested third party?	No
Are secured creditors paid first (i.e. before tax claims and employee claims) when a debtor defaults outside an insolvency procedure?	Yes
Are secured creditors paid first (i.e. before tax claims and employee claims) when a business is liquidated?	Yes
Are secured creditors subject to an automatic stay on enforcement when a debtor enters a court-supervised reorganization procedure? Does the law protect secured creditors' rights by providing clear grounds for relief from the stay and/or sets a time limit for it?	No



<b>Strength of legal rights index (0–12)</b>	<b>Index score: 6</b>
Does the law allow parties to agree on out of court enforcement at the time a security interest is created? Does the law allow the secured creditor to sell the collateral through public auction and private tender, as well as, for the secured creditor to keep the asset in satisfaction of the debt?	Yes

<b>Depth of credit information index (0–8)</b>	<b>Credit bureau</b>	<b>Credit registry</b>	<b>Index score: 8</b>
Are data on both firms and individuals distributed?	Yes	No	1
Are both positive and negative credit data distributed?	Yes	No	1
Are data from retailers or utility companies - in addition to data from banks and financial institutions - distributed?	Yes	No	1
Are at least 2 years of historical data distributed? (Credit bureaus and registries that distribute more than 10 years of negative data or erase data on defaults as soon as they are repaid obtain a score of 0 for this component.)	Yes	No	1
Are data on loan amounts below 1% of income per capita distributed?	Yes	No	1
By law, do borrowers have the right to access their data in the credit bureau or credit registry?	Yes	No	1
Can banks and financial institutions access borrowers' credit information online (for example, through an online platform, a system-to-system connection or both)?	Yes	No	1
Are bureau or registry credit scores offered as a value-added service to help banks and financial institutions assess the creditworthiness of borrowers?	Yes	No	1

*Note:* Prior to *Doing Business 2015*, the depth of credit information index covered only the first 6 features listed above. An economy receives a score of 1 if there is a "yes" to either bureau or registry. If the credit bureau or registry is not operational or covers less than 5% of the adult population, the total score on the depth of credit information index is 0.

<b>Coverage</b>	<b>Credit bureau (% of adults)</b>	<b>Credit registry (% of adults)</b>
Number of firms	4,200,000	492,000
Number of individuals	66,300,000	204,000
Percent of total	100.0	1.3

Source: *Doing Business* database.

## PROTECTING MINORITY INVESTORS

Protecting minority investors matters for the ability of companies to raise the capital they need to grow, innovate, diversify and compete. Effective regulations define related-party transactions precisely, promote clear and efficient disclosure requirements, require shareholder participation in major decisions of the company and set detailed standards of accountability for company insiders.

### What do the indicators cover?

*Doing Business* measures the protection of minority investors from conflicts of interest through one set of indicators and shareholders' rights in corporate governance through another. The ranking of economies on the strength of minority investor protections is determined by sorting their distance to frontier scores for protecting minority investors. These scores are the simple average of the distance to frontier scores for the extent of conflict of interest regulation index and the extent of shareholder governance index. To make the data comparable across economies, a case study uses several assumptions about the business and the transaction.

The business (Buyer):

- Is a publicly traded corporation listed on the economy's most important stock exchange (or at least a large private company with multiple shareholders).
- Has a board of directors and a chief executive officer (CEO) who may legally act on behalf of Buyer where permitted, even if this is not specifically required by law.

The transaction involves the following details:

- Mr. James, a director and the majority shareholder of the company, proposes that the company purchase used trucks from another company he owns.
- The price is higher than the going price for used trucks, but the transaction goes forward.
- All required approvals are obtained, and all required disclosures made, though the transaction is prejudicial to Buyer.
- Shareholders sue the interested parties and the members of the board of directors.

### WHAT THE PROTECTING MINORITY INVESTORS INDICATORS MEASURE

#### Extent of disclosure index (0–10)

Review and approval requirements for related-party transactions ; Disclosure requirements for related-party transactions

#### Extent of director liability index (0–10)

Ability of minority shareholders to sue and hold interested directors liable for prejudicial related-party transactions; Available legal remedies (damages, disgorgement of profits, fines, imprisonment, rescission of the transaction)

#### Ease of shareholder suits index (0–10)

Access to internal corporate documents; Evidence obtainable during trial and allocation of legal expenses

#### Extent of conflict of interest regulation index (0–10)

Sum of the extent of disclosure, extent of director liability and ease of shareholder indices, divided by 3

#### Extent of shareholder rights index (0-10.5)

Shareholders' rights and role in major corporate decisions

#### Strength of governance structure index (0-10.5)

Governance safeguards protecting shareholders from undue board control and entrenchment

#### Extent of corporate transparency index (0-9)

Corporate transparency on ownership stakes, compensation, audits and financial prospects

#### Extent of shareholder governance index (0–10)

Sum of the extent of shareholders rights, strength of governance structure and extent of corporate transparency indices, divided by 3

#### Strength of investor protection index (0–10)

Simple average of the extent of conflict of interest regulation and extent of shareholder governance indices

## PROTECTING MINORITY INVESTORS

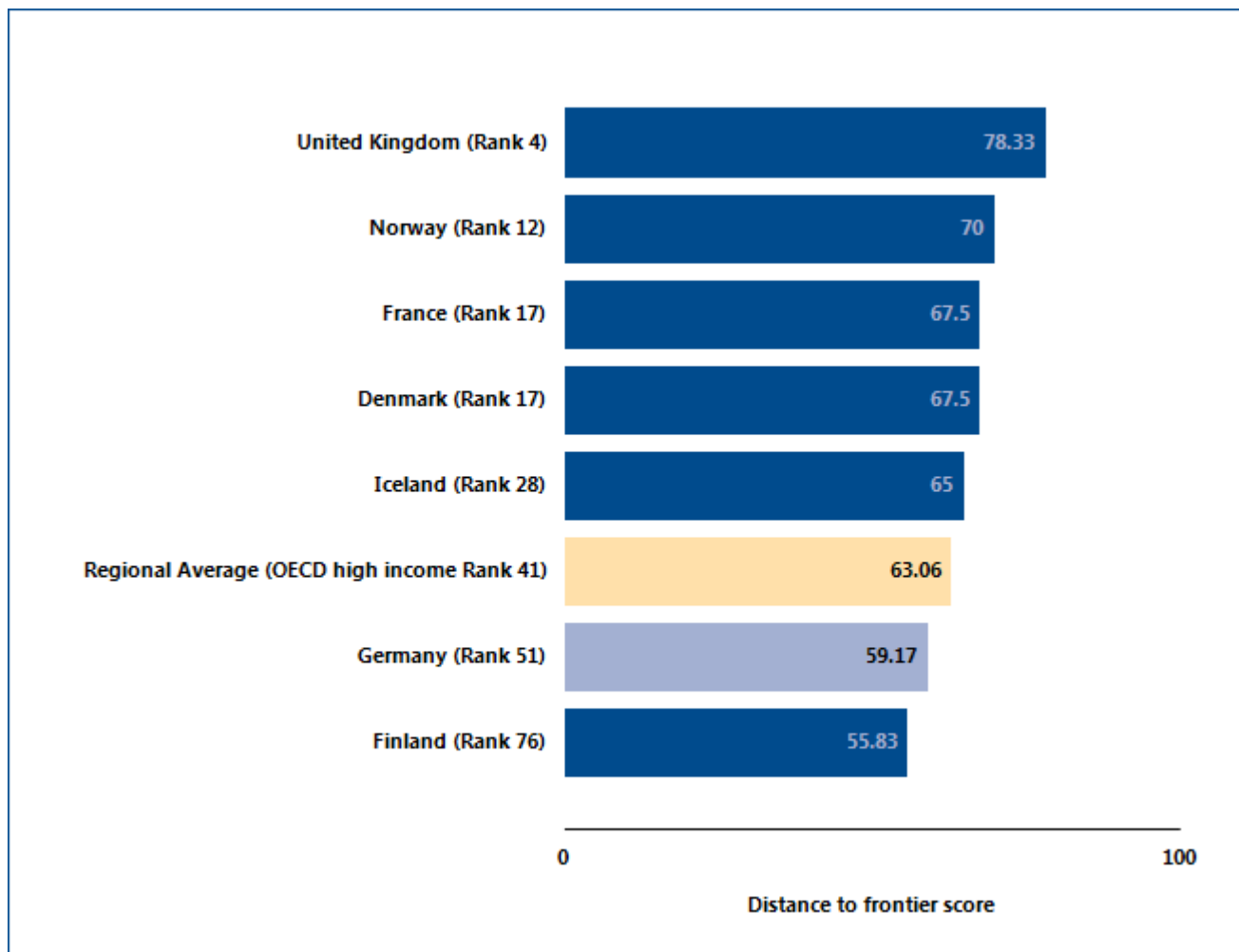
### Where does the economy stand today?

How strong are minority investor protections against self-dealing in Germany? The economy has a score of 5.9 on the strength of minority investor protection index, with a higher score indicating stronger protections.

Globally, Germany stands at 51 in the ranking of 189 economies on the strength of minority investor

protection index (figure 7.1). While the indicator does not measure all aspects related to the protection of minority investors, a higher ranking does indicate that an economy's regulations offer stronger minority investor protections against self-dealing in the areas measured.

Figure 7.1 How Germany and comparator economies perform on the strength of minority investor protection index



Source: Doing Business database.

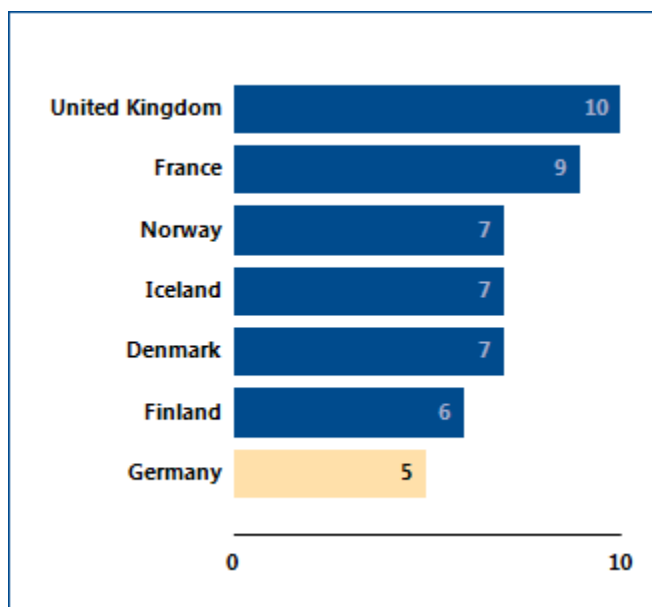
### PROTECTING MINORITY INVESTORS

One way to put an economy's scores on the protecting minority investors indicators into context is to see where the economy stands in the distribution of scores across comparator economies. Figures 7.2 through 7.7 highlight the scores on the various minority investor protection

indices for Germany in 2014. A summary of scoring for the protecting minority investors indicators at the end of this chapter provides details on how the indices were calculated.

Figure 7.2 How extensive are disclosure requirements?

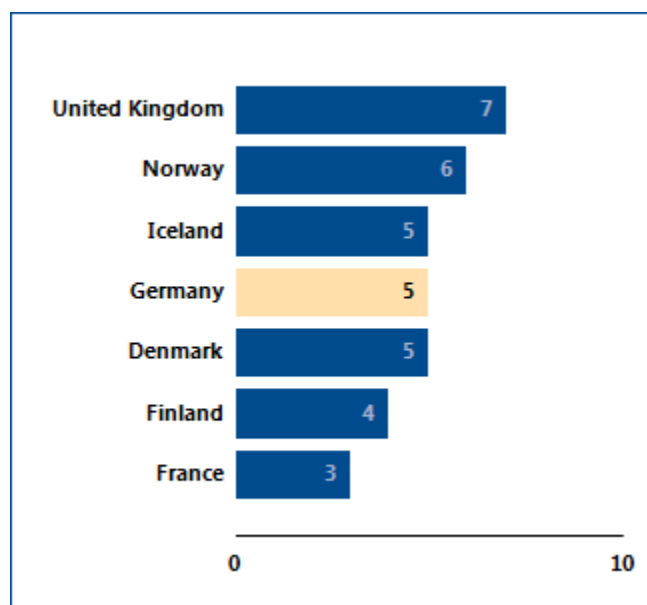
#### Extent of disclosure index (0-10)



Note: Higher scores indicate greater disclosure.  
Source: Doing Business database.

Figure 7.3 How extensive is the liability regime for directors?

#### Extent of director liability index (0-10)

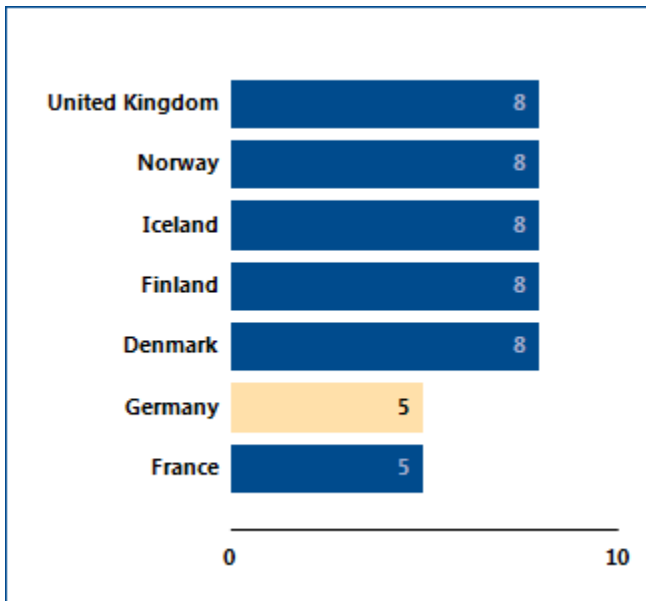


Note: Higher scores indicate greater liability of directors.  
Source: Doing Business database.

## PROTECTING MINORITY INVESTORS

Figure 7.4 How easy is accessing internal corporate documents?

### Ease of shareholder suits index (0-10)



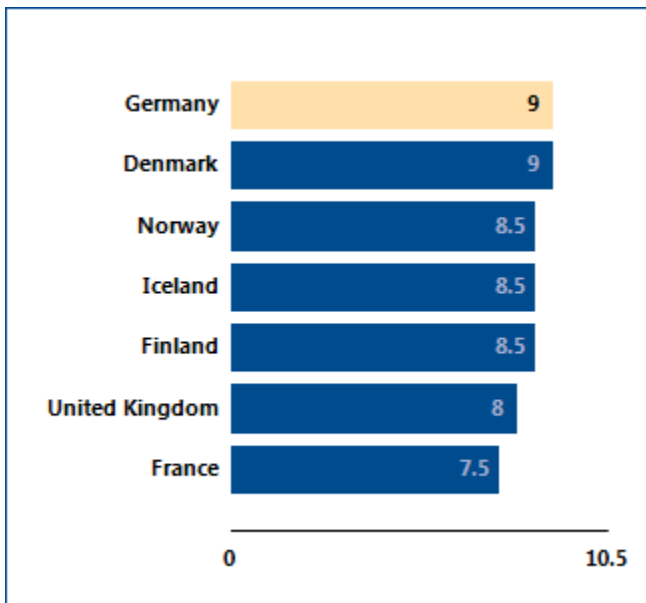
Note: Higher scores indicate greater minority shareholder access to evidence before and during trial.

Source: Doing Business database.

## PROTECTING MINORITY INVESTORS

Figure 7.5 How extensive are shareholder rights?

### Extent of shareholder rights index (0-10.5)

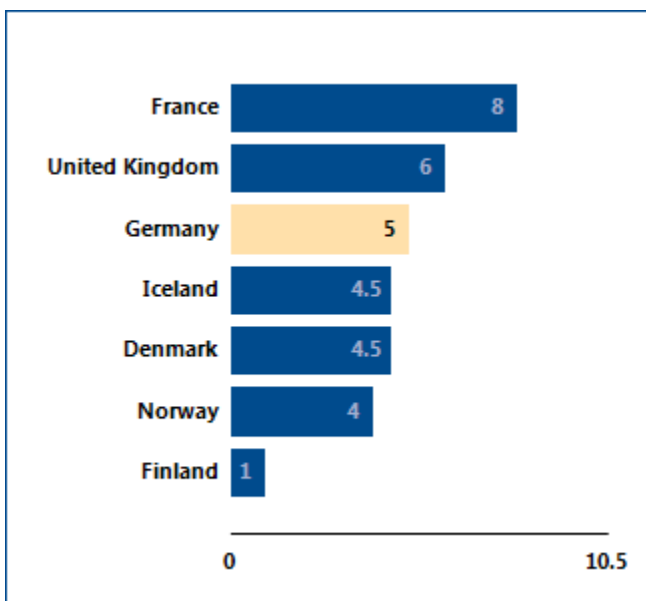


Note: The higher the score, the stronger the protections.

Source: Doing Business database.

Figure 7.6 How strong is the governance structure?

### Strength of governance structure index (0-10.5)

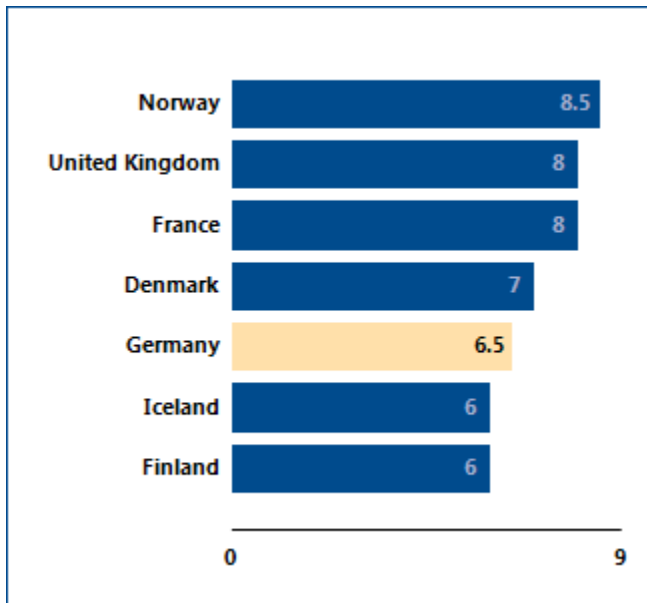


Note: Higher scores indicate more stringent governance structure requirements.

Source: Doing Business database.

Figure 7.7 How extensive is corporate transparency?

**Extent of corporate transparency index (0-9)**



Note: Higher scores indicate greater transparency.  
Source: Doing Business database.



## PROTECTING MINORITY INVESTORS

### What are the details?

The protecting minority investors indicators reported here for Germany are based on detailed information collected through a survey of corporate and securities lawyers about securities regulations, company laws and court rules of evidence and procedure. To construct the six indicators on minority investor protection, scores are assigned to each based on a range of conditions relating

to disclosure, director liability, shareholder suits, shareholder rights, governance structure and corporate transparency in a standard case study (for more details, see the Data Notes section of the *Doing Business 2015* report). The summary below shows the details underlying the scores for Germany.

Table 7.2 Summary of scoring for the protecting minority investors indicators in Germany

	Answer	Score
<b>Extent of disclosure index (0-10)</b>		5.0
Which corporate body can provide legally sufficient approval for the Buyer-Seller transaction? (0-3)	Board of directors excluding interested members	2
Is disclosure by the interested director to the board of directors required? (0-2)	Existence of a conflict without any specifics	1
Is disclosure of the transaction in published periodic filings (annual reports) required? (0-2)	Disclosure on the transaction only	1
Is immediate disclosure of the transaction to the public and/or shareholders required? (0-2)	Disclosure on the transaction only	1
Must an external body review the terms of the transaction before it takes place? (0-1)	No	0
<b>Extent of director liability index (0-10)</b>		5.0
Can shareholders sue directly or derivatively for the damage caused by the Buyer-Seller transaction to the company? (0-1)	Yes	1
Can shareholders hold the interested director liable for the damage caused by the transaction to the company? (0-2)	Liable if negligent	1
Can shareholders hold members of the approving body liable for the damage caused by the transaction to the company? (0-2)	Liable if negligent	1
Must the interested director pay damages for the harm caused to the company upon a successful claim by a shareholder plaintiff? (0-1)	Yes	1
Must the interested director repay profits made from the transaction upon a successful claim by a shareholder plaintiff? (0-1)	No	0
Can both fines and imprisonment be applied against the interested director? (0-1)	Yes	1
Can a court void the transaction upon a successful claim by a shareholder plaintiff? (0-2)	Only in case of fraud or bad faith	0
<b>Ease of shareholder suits index (0-10)</b>		5.0
Before filing suit, can shareholders owning 10% of the company's share capital inspect the transaction documents? (0-1)	Yes	1
Can the plaintiff obtain any documents from the defendant	No	3

and witnesses during trial? (0-3)		
Can the plaintiff request categories of documents from the defendant without identifying specific ones? (0-1)	No	0
Can the plaintiff directly question the defendant and witnesses during trial? (0-2)	No	0
Is the level of proof required for civil suits lower than that of criminal cases? (0-1)	No	0
Can shareholder plaintiffs recover their legal expenses from the company? (0-2)	Yes if successful	1
<b>Strength of minority investor protection index (0-10)</b>		5.9
<b>Extent of conflict of interest regulation index (0-10)</b>		5.0
<b>Extent of shareholder rights index (0-10.5)</b>		9.0
Can shareholders amend company bylaws or statutes with a simple majority?	Yes	1.5
Can shareholders owning 10% of the company's share capital call for an extraordinary meeting of shareholders?	Yes	1.5
Can shareholders remove members of the board of directors before the end of their term.	No	0
Must a company obtain its shareholders' approval every time it issues new shares?	Yes	1.5
Are shareholders automatically granted subscription rights on new shares?	Yes	1.5
Must shareholders approve the election and dismissal of the external auditor?	Yes	1.5
Can shareholders freely trade shares prior to a major corporate action or meeting of shareholders?	Yes	1.5
<b>Strength of governance structure index (0-10.5)</b>		5.0
Is the CEO barred from also serving as chair of the board of directors?	No	0
Must the board of directors include independent board members?	Yes for listed companies	1
Must a company have a separate audit committee?	No	0
Must changes to the voting rights of a series or class of shares be approved only by the holders of the affected shares?	Yes	1.5
Must a potential acquirer make a tender offer to all shareholders upon acquiring 50% of a company?	Yes for listed companies	1
Is cross-shareholding between 2 independent companies limited to 10% of outstanding shares?	No	0
Is a subsidiary barred from acquiring shares issued by its parent company?	Yes	1.5
<b>Extent of corporate transparency index (0-9)</b>		6.5
Must ownership stakes representing 10% be disclosed?	Yes for listed companies	1
Must information about board members' other directorships as well as basic information on their primary employment be disclosed?	Yes for listed companies	1
Must the compensation of individual managers be disclosed?	No	0
Must financial statements contain explanatory notes on significant accounting policies, trends, risks, uncertainties and other factors influencing the reporting?	Yes	1.5
Must annual financial statements be audited by an external	Yes	1.5

auditor?		
Must audit reports be disclosed to the public?	Yes	1.5
<b>Extent of shareholder governance index (0-10)</b>		<b>6.8</b>

Source: *Doing Business* database.

## PAYING TAXES

Taxes are essential. The level of tax rates needs to be carefully chosen—and needless complexity in tax rules avoided. Firms in economies that rank better on the ease of paying taxes in the *Doing Business* study tend to perceive both tax rates and tax administration as less of an obstacle to business according to the World Bank Enterprise Survey research.

### What do the indicators cover?

Using a case scenario, *Doing Business* measures the taxes and mandatory contributions that a medium-size company must pay in a given year as well as the administrative burden of paying taxes and contributions. This case scenario uses a set of financial statements and assumptions about transactions made over the year. Information is also compiled on the frequency of filing and payments as well as time taken to comply with tax laws. The ranking of economies on the ease of paying taxes is determined by sorting their distance to frontier scores on the ease of paying taxes. These scores are the simple average of the distance to frontier scores for each of the component indicators, with a threshold and a nonlinear transformation applied to one of the component indicators, the total tax rate<sup>5</sup>. The financial statement variables have been updated to be proportional to 2012 income per capita; previously they were proportional to 2005 income per capita. To make the data comparable across economies, several assumptions are used.

- TaxpayerCo is a medium-size business that started operations on January 1, 2012.
- The business starts from the same financial position in each economy. All the taxes and mandatory contributions are recorded at all levels of government.

<sup>5</sup> The nonlinear distance to frontier for the total tax rate is equal to the distance to frontier for the total tax rate for the 15th percentile of the distribution for all economies included in the analysis. It is calculated and adjusted on a yearly basis. The second year of operation is recorded at the lower end of the distribution of tax rates. A range of standard deductions and exemptions are also recorded. Taxes and mandatory contributions are recorded at all levels of government. Labor taxes and contributions paid by the company. The threshold is 26.1%.

### WHAT THE PAYING TAXES INDICATORS MEASURE

#### Tax payments for a manufacturing company in 2013 (number per year adjusted for electronic and joint filing and payment)

Total number of taxes and contributions paid, including consumption taxes (value added tax, sales tax or goods and service tax)

Method and frequency of filing and payment

#### Time required to comply with 3 major taxes (hours per year)

Collecting information and computing the tax payable

Completing tax return forms, filing with proper agencies

Arranging payment or withholding

Preparing separate tax accounting books, if required

#### Total tax rate (% of profit before all taxes)

Profit or corporate income tax

Social contributions and labor taxes paid by the employer

Property and property transfer taxes

Dividend, capital gains and financial transactions taxes

Waste collection, vehicle, road and other taxes

- Taxes and mandatory contributions include corporate income tax, turnover tax and all labor taxes and contributions paid by the company.
- A range of standard deductions and exemptions are also recorded.

## PAYING TAXES

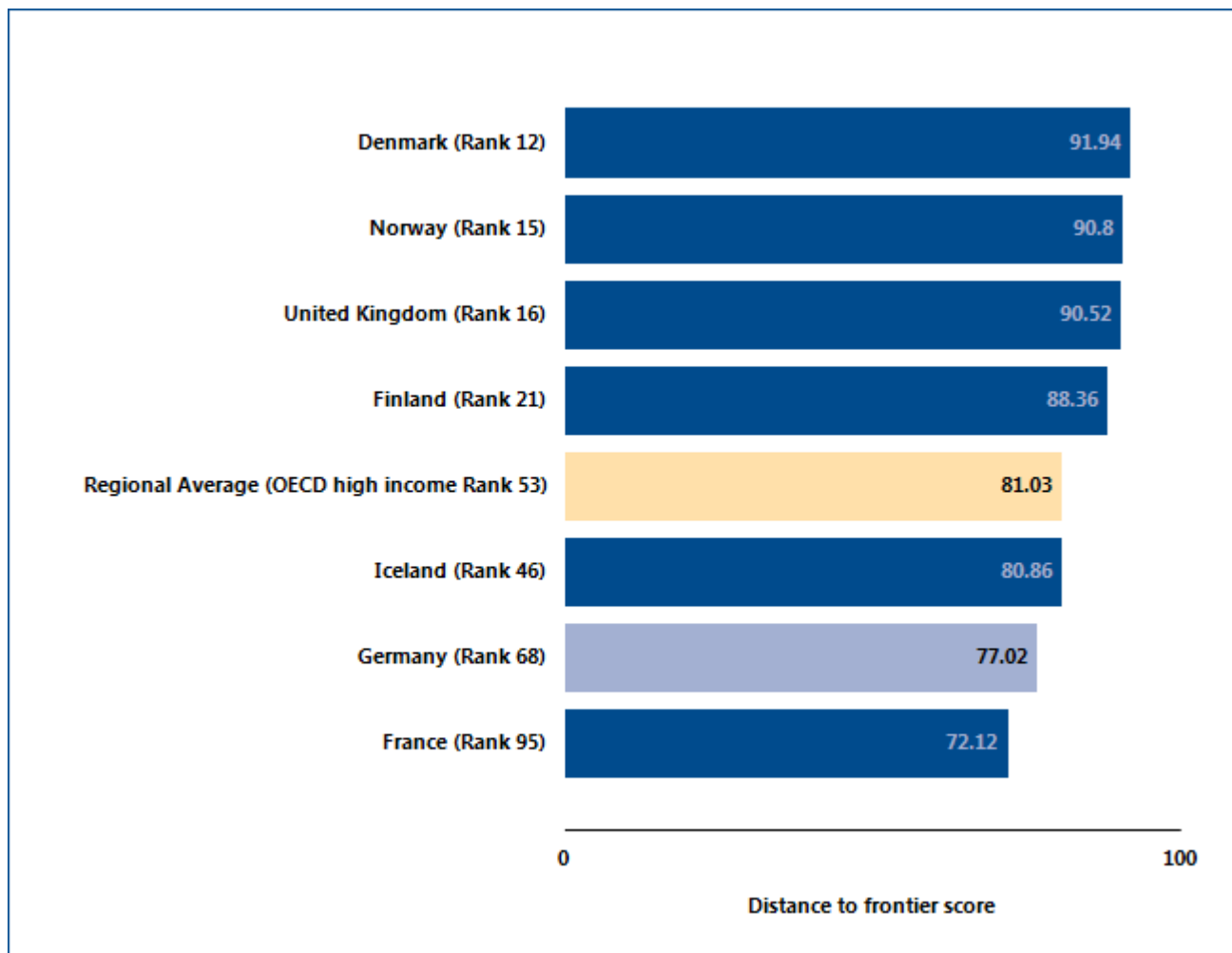
### Where does the economy stand today?

What is the administrative burden of complying with taxes in Germany—and how much do firms pay in taxes? On average, firms make 9.0 tax payments a year, spend 218.0 hours a year filing, preparing and paying taxes and pay total taxes amounting to 48.8% of profit (see the summary at the end of this chapter for details). Most indicator sets refer to a case scenario in the largest business city of an economy, except for 11 economies for which the data are a population-weighted average of the

2 largest business cities. See the chapter on distance to frontier and ease of doing business ranking at the end of this profile for more details.

Globally, Germany stands at 68 in the ranking of 189 economies on the ease of paying taxes (figure 8.1). The rankings for comparator economies and the regional average ranking provide other useful information for assessing the tax compliance burden for businesses in Germany.

Figure 8.1 How Germany and comparator economies rank on the ease of paying taxes



Source: Doing Business database.

## PAYING TAXES

Economies around the world have made paying taxes faster and easier for businesses—such as by consolidating filings, reducing the frequency of payments or offering electronic filing and payment. Many have lowered tax rates. Changes have brought

concrete results. Some economies simplifying tax payment and reducing rates have seen tax revenue rise. What tax reforms has *Doing Business* recorded in Germany (table 8.1)?

Table 8.1 How has Germany made paying taxes easier—or not?  
By *Doing Business* report year from DB2010 to DB2015

DB year	Reform
<b>DB2013</b>	Germany made paying taxes more convenient for companies by canceling ELENA procedures and implementing electronic filing and payment system for most taxes.

*Note:* For information on reforms in earlier years (back to DB2006), see the *Doing Business* reports for these years, available at <http://www.doingbusiness.org>.

*Source:* *Doing Business* database.

## PAYING TAXES

### What are the details?

The indicators reported here for Germany are based on the taxes and contributions that would be paid by a standardized case study company used by *Doing Business* in collecting the data (see the section in this chapter on what the indicators cover). Tax practitioners are asked to review a set of financial statements as well as a standardized list of assumptions and transactions that the company completed during its 2nd year of operation. Respondents are asked how much taxes and mandatory contributions the business must pay and how these taxes are filed and paid.

#### LOCATION OF STANDARDIZED COMPANY

**City: Berlin**

The taxes and contributions paid are listed in the summary below, along with the associated number of payments, time and tax rate.

Table 8.2 Summary of tax rates and administration

Tax or mandatory contribution	Payments (number)	Notes on payments	Time (hours)	Statutory tax rate	Tax base	Total tax rate (% of profit)	Notes on total tax rate
Corporate income tax	1	online filing	41	15%	taxable profit	11.5	
Trade tax	1	online filing	0	11-17%	taxable profit	11.1	
Social security contributions	1	online filing	134	9.45%	gross salaries	10.6	
Health insurance contributions	0	paid jointly	0	7.3%	gross salaries	7.8	
Property tax	1		0	less than 0.1%	property value	2.9	
Unemployment contributions	0	paid jointly	0	1.5%	gross salaries	1.7	
Road tax (only for trucks)	1		0	EUR 0.183 per kilometer		1.2	
Long term care insurance	0	paid jointly	0	1.025%	gross salaries	1.1	
Tax on interest	0		0	25%	interest income	0.7	included in other taxes

Tax or mandatory contribution	Payments (number)	Notes on payments	Time (hours)	Statutory tax rate	Tax base	Total tax rate (% of profit)	Notes on total tax rate
Solidarity surcharge	0	paid jointly	0	5.5%	corporate income tax	0.6	
Tax on insurance contracts	1		0	19%	insurance premium	0.2	
Vehicle tax	1	online filing	0	EUR 556		0	
Value added tax (VAT)	1	online filing	43	19%	value added	0	not included
Fuel tax	1		0		included in fuel price	0	small amount
Wage tax	0	online filing	0	depends on wage tax classification of employee	employee income	0	not included
Social security contributions on employee	0		0	20.175%	gross salaries	0	
Totals	9.0		218.0			48.8	

Source: Doing Business database.

## TRADING ACROSS BORDERS

In today's globalized world, making trade between economies easier is increasingly important for business. Excessive document requirements, burdensome customs procedures, inefficient port operations and inadequate infrastructure all lead to extra costs and delays for exporters and importers, stifling trade potential. Research shows that exporters in developing countries gain more from a 10% drop in their trading costs than from a similar reduction in the tariffs applied to their products in global markets.

### What do the indicators cover?

*Doing Business* measures the time and cost (excluding tariffs and the time and cost for sea transport) associated with exporting and importing a standard shipment of goods by sea transport, and the number of documents necessary to complete the transaction. The indicators cover predefined stages such as documentation requirements and procedures at customs and other regulatory agencies as well as at the port. They also cover trade logistics, including the time and cost of inland transport to the largest business city. The ranking of economies on the ease of trading across borders is determined by sorting their distance to frontier scores for trading across borders. These scores are the simple average of the distance to frontier scores for each of the component indicators. To make the data comparable across economies, *Doing Business* uses several assumptions about the business and the traded goods.

The business:

- Is located in the economy's largest business city. For the 11 economies with a population of more than 100 million, data for a second city have been added.
- Is a private, limited liability company, domestically owned and does not operate with special export or import privileges.
- Conducts export and import activities, but does not have any special accreditation such as an authorized economic operator status.

### WHAT THE TRADING ACROSS BORDERS INDICATORS MEASURE

#### Documents required to export and import (number)

- Bank documents
- Customs clearance documents
- Port and terminal handling documents
- Transport documents

#### Time required to export and import (days)

- Obtaining, filling out and submitting all the documents
- Inland transport and handling
- Customs clearance and inspections
- Port and terminal handling
- Does not include sea transport time

#### Cost required to export and import (US\$ per container)

- All documentation
- Inland transport and handling
- Customs clearance and inspections
- Port and terminal handling
- Official costs only, no bribes

The traded product:

- Is not hazardous nor includes military items.
- Does not require refrigeration or any other special environment.
- Do not require any special phytosanitary or environmental safety standards other than accepted international standards.
- Is one of the economy's leading export or import products.
- Is transported in a dry-cargo, 20-foot full container load.



## TRADING ACROSS BORDERS

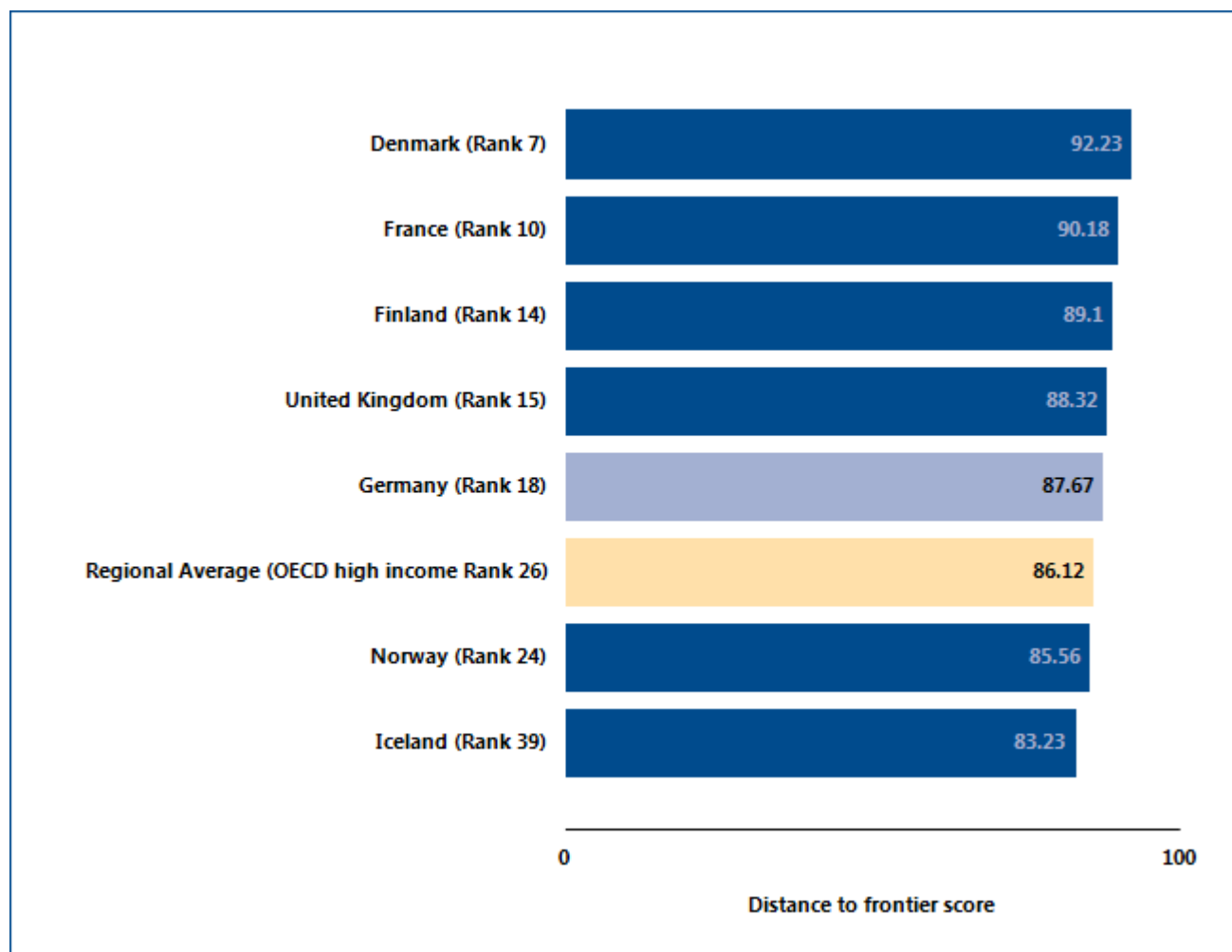
### Where does the economy stand today?

What does it take to export or import in Germany? According to data collected by *Doing Business*, exporting a standard container of goods requires 4 documents, takes 9.0 days and costs \$1015.0. Importing the same container of goods requires 4 documents, takes 7.0 days and costs \$1050.0 (see the summary of four predefined stages and documents at the end of this chapter for details). Most indicator sets refer to a case scenario in the largest business city of an economy, except for 11 economies for which the data are a population-weighted

average of the 2 largest business cities. See the chapter on distance to frontier and ease of doing business ranking at the end of this profile for more details.

Globally, Germany stands at 18 in the ranking of 189 economies on the ease of trading across borders (figure 9.1). The rankings for comparator economies and the regional average ranking provide other useful information for assessing how easy it is for a business in Germany to export and import goods.

Figure 9.1 How Germany and comparator economies rank on the ease of trading across borders



Source: *Doing Business* database.

## TRADING ACROSS BORDERS

### What are the details?

The indicators reported here for Germany are based on a set of specific predefined stages for trading a standard shipment of goods by ocean transport (see the section in this chapter on what the indicators cover). Information on the required documents and the time and cost to complete export and import is collected from local freight forwarders, shipping lines, customs brokers, port officials and banks.

#### LOCATION OF STANDARDIZED COMPANY

**Port Name:** Hamburg

**City:** Berlin

The predefined stages, and the associated time and cost, for exporting and importing a standard shipment of goods are listed in the summary below, along with the required documents.

Table 9.2 Summary of predefined stages and documents for trading across borders in Germany

Stages to export	Time (days)	Cost (US\$)
Customs clearance and inspections	1	30
Documents preparation	4	175
Inland transportation and handling	2	500
Ports and terminal handling	2	310
Totals	9	1,015

Stages to import	Time (days)	Cost (US\$)
Customs clearance and inspections	1	55
Documents preparation	3	185
Inland transportation and handling	2	500
Ports and terminal handling	1	310
Totals	7	1,050

**Documents to export**

Bill of lading
Commercial Invoice
Customs export declaration
Packing List

**Documents to import**

Bill of lading
Commercial invoice
Customs import declaration
Packing list

Source: *Doing Business* database.

## ENFORCING CONTRACTS

Effective commercial dispute resolution has many benefits. Courts are essential for entrepreneurs because they interpret the rules of the market and protect economic rights. Efficient and transparent courts encourage new business relationships because businesses know they can rely on the courts if a new customer fails to pay. Speedy trials are essential for small enterprises, which may lack the resources to stay in business while awaiting the outcome of a long court dispute.

*What do the indicators cover?*

*Doing Business* measures the efficiency of the judicial system in resolving a commercial dispute before local courts. Following the step-by-step evolution of a standardized case study, it collects data relating to the time, cost and procedural complexity of resolving a commercial lawsuit. The ranking on the ease of enforcing contracts is the simple average of the percentile rankings on its component indicators: procedures, time and cost.

The dispute in the case study involves the breach of a sales contract between 2 domestic businesses. The case study assumes that the court hears an expert on the quality of the goods in dispute. This distinguishes the case from simple debt enforcement. To make the data comparable across economies, *Doing Business* uses several assumptions about the case:

- The seller and buyer are located in the economy's largest business city. For the 11 economies with a population of more than 100 million, data for a second city have been added.
- The buyer orders custom-made goods, then fails to pay.
- The seller sues the buyer before a competent court.
- The value of the claim is 200% of the income per capita or the equivalent in local currency of USD 5,000, whichever is greater.

### WHAT THE ENFORCING CONTRACTS

#### INDICATORS MEASURE

##### Procedures to enforce a contract through the courts (number)

- Steps to file and serve the case
- Steps for trial and judgment
- Steps to enforce the judgment

##### Time required to complete procedures (calendar days)

- Time to file and serve the case
- Time for trial and obtaining judgment
- Time to enforce the judgment

##### Cost required to complete procedures (% of claim)

- Average attorney fees
- Court costs
- Enforcement costs

- The seller requests a pretrial attachment to secure the claim.
- The dispute on the quality of the goods requires an expert opinion.
- The judge decides in favor of the seller; there is no appeal.
- The seller enforces the judgment through a public sale of the buyer's movable assets.

## ENFORCING CONTRACTS

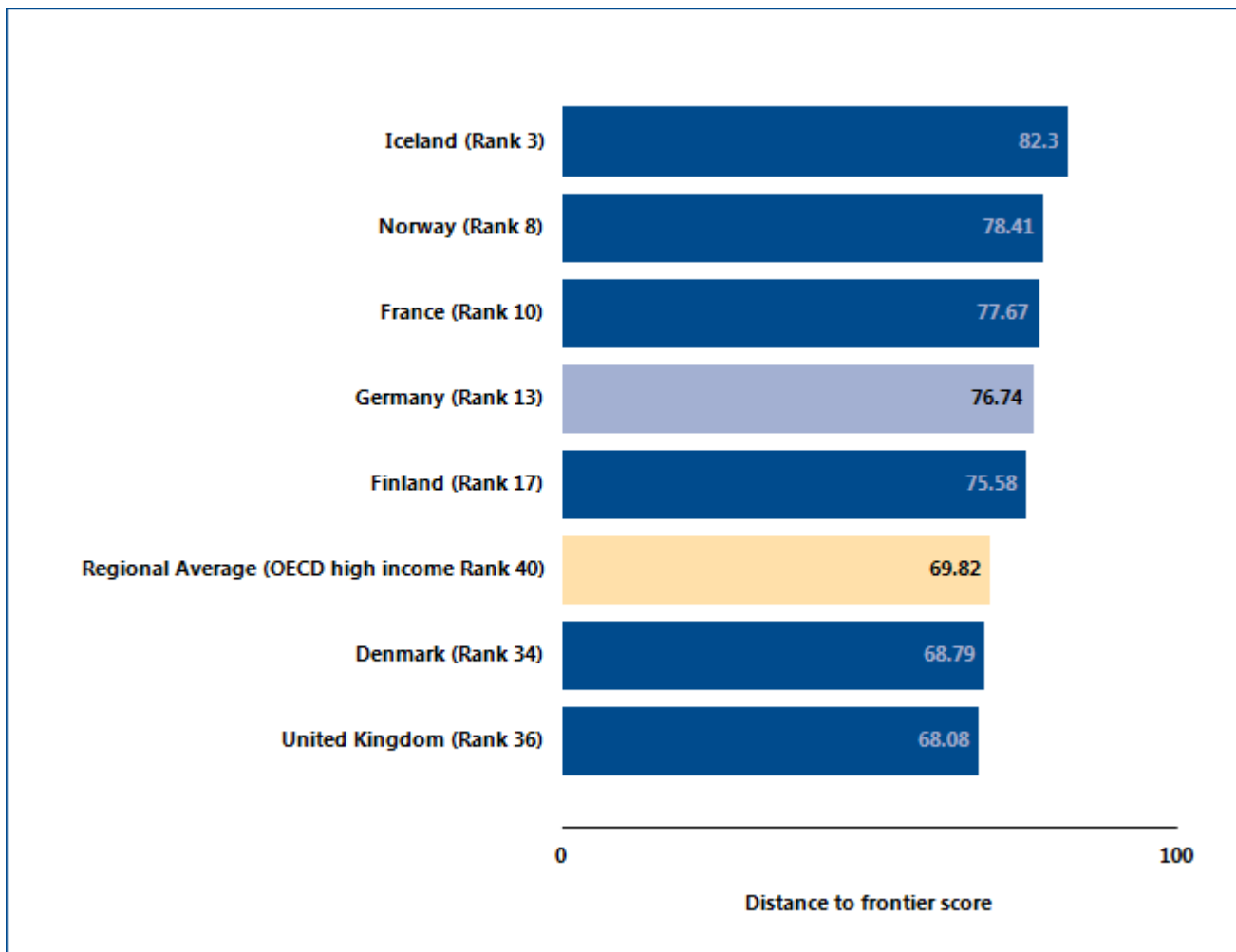
### Where does the economy stand today?

How efficient is the process of resolving a commercial dispute through the courts in Germany? According to data collected by *Doing Business*, contract enforcement takes 394.0 days, costs 14.4% of the value of the claim and requires 31.0 procedures (see the summary at the end of this chapter for details). Most indicator sets refer to a case scenario in the largest business city of an economy, except for 11 economies for which the data are a population-weighted average of the 2 largest

business cities. See the chapter on distance to frontier and ease of doing business ranking at the end of this profile for more details.

Globally, Germany stands at 13 in the ranking of 189 economies on the ease of enforcing contracts (figure 10.1). The rankings for comparator economies and the regional average ranking provide other useful benchmarks for assessing the efficiency of contract enforcement in Germany.

Figure 10.1 How Germany and comparator economies rank on the ease of enforcing contracts



Source: *Doing Business* database.

## ENFORCING CONTRACTS

### What are the details?

The indicators reported here for Germany are based on a set of specific procedural steps required to resolve a standardized commercial dispute through the courts (see the section in this chapter on what the indicators cover). These procedures, and the time and cost of completing them, are identified through study of the codes of civil procedure and other court regulations, as well as through questionnaires completed by local litigation lawyers (and, in a quarter of the economies covered by *Doing Business*, by judges as well).

#### COURT NAME

<b>Claim value:</b>	<b>EUR 66,137</b>
<b>Court name:</b>	<b>Berlin Regional Court</b>
<b>City:</b>	<b>Berlin</b>

Table 10.2 Summary of time, cost and procedures for enforcing a contract in Germany

Indicator	Germany	OECD high income average
<b>Time (days)</b>	394	540
Filing and service	29	
Trial and judgment	310	
Enforcement of judgment	55	
<b>Cost (% of claim)</b>	14.4	21.4
Attorney cost (% of claim)	6.6	
Court cost (% of claim)	5.4	
Enforcement Cost (% of claim)	2.4	
<b>Procedures (number)</b>	31	32
Number of procedures (without bonus points)	32	
Specialized commercial courts	-1	
Total number of procedures (including bonus points)	31	

No.	Procedures
	Filing and service:
1	Plaintiff requests payment: Plaintiff or his lawyer asks Defendant orally or in writing to comply with the contract.
2	Plaintiff hires a lawyer: Plaintiff hires a lawyer.
*	Plaintiff files a summons and complaint: Plaintiff files a summons and complaint with the court (orally or in writing).
*	Plaintiff pays court fees: Plaintiff pays court fees (e.g. court duties, stamp duties, or any other type of court fees). Answer 'yes' even if Plaintiff recovers these costs.
3	Registration of court case: Registration of court case by the court administration (this can include assigning a reference number to the case).
*	Assignment of court case to a judge: Assignment of court case to a judge (through a random procedure, automated system, ruling of an administrative judge, court officer, etc).
4	Judicial scrutiny of summons and complaint: Judge examines Plaintiff's summons and complaint for formal requirements as a matter of law or standard practice.
*	Mailing of summons and complaint: Court or process server, including (private) bailiff, mails summons and complaint to Defendant.
5	Attempt at physical delivery: An attempt to physically deliver summons and complaint to Defendant is made.
*	Application for pre-judgment attachment: Plaintiff submits an application in writing for the attachment of Defendant's property prior to judgment.
*	Decision on pre-judgment attachment: Judge decides whether to grant Plaintiff's request for pre-judgment attachment of Defendant's property and notifies Plaintiff and Defendant of the decision.
6	Pre-judgment attachment order: Defendant's property is attached prior to judgment. Attachment order either involves physical attachment, or is achieved by freezing, registering, marking, or otherwise separating and restricting Defendant's movement of specific moveable assets.
7	Hearing on pre-judgment attachment: A hearing takes place as a matter of law or standard practice to resolve the question of whether Defendant's assets can be attached prior to judgment. This process may include the submission of separate summons and petitions.
	Trial and judgment:
8	Defendant files an answer to Plaintiff's claim: Defendant files a written pleading which includes his answer or defense on the merits of the case (see assumption 4).
9	Deadline for Plaintiff to reply to Defendant's defense or answer: Judge sets a deadline for Plaintiff's submission of a reply to the Defendant's defense or answer.
10	Plaintiff's written reply to Defendant's answer: Plaintiff responds to Defendant's answer with a written pleading, which may or may not include witness statements or expert (witness) statements.

No.	Procedures
11	Filing of written submissions: Plaintiff and Defendant file written pleadings and submissions with the court and transmit copies of the written pleadings or submissions to one another. The pleadings may or may not include witness statements or expert (witness) statements.
12	Adjournments: Court procedure is delayed because one or both parties request and obtain an adjournment to submit written pleadings. Check as 'yes' if this commonly happens.
*	Court appointment of independent expert: Judge appoints, either at the parties' request or at his own initiative, an independent expert to decide whether the quality of the goods Plaintiff delivered to Defendant is adequate. (see assumption 5-b).
13	Notification of court-appointment of independent expert: The court notifies both parties that the court is appointing an independent expert (see assumption 5-b).
*	Delivery of expert report by court-appointed expert: The independent expert, appointed by the court, delivers his or her expert report to the court (see assumption 5-b).
*	Setting of date for mediation hearing: The judge sets a date for a mediation hearing, sometimes also called a 'pre-trial conference,' and notifies the parties of the hearing date.
*	Setting of date(s) for oral hearing or trial: Judge sets the date(s) for the oral hearing or trial.
14	Summoning of (expert) witnesses: The court summons (expert) witnesses to appear in court for the oral hearing or trial (see assumption 5-a).
15	Oral hearing (prevalent in civil law): The parties argue the merits of the case at an oral hearing before the judge. Witnesses and a court-appointed independent expert may be heard and questioned at the oral hearing.
16	Adjournments: Court proceedings are delayed because one or both parties request and obtain an adjournment during the oral hearing or trial, resulting in an additional or later trial or hearing date.
17	Judgment date: The judge sets a date for delivery of the judgment.
18	Notification of judgment in court: The parties are notified of the judgment at a court hearing.
19	Writing of judgment: The judge produces a written copy of the judgment.
20	Registration of judgment: The court office registers the judgment after receiving a written copy of the judgment.
21	Plaintiff receives a copy of the judgment: Plaintiff receives a copy of the written judgment which is 100% in favor of Plaintiff (see assumption 6).
22	Defendant is formally notified of the judgment: Plaintiff or court formally notifies the Defendant of the judgment. The appeal period starts to run from the day the Defendant is formally notified of the judgment.
23	Appeal period: By law Defendant has the opportunity to appeal the judgment during a specified period. Defendant decides not to appeal. Seller decides to start enforcing the judgment when the appeal period ends (see assumption 8).
24	Order for reimbursement by Defendant of Plaintiff's court fees: The judgment orders Defendant to reimburse Plaintiff for the court fees Plaintiff has advanced, because Defendant has lost the case.



No.	Procedures
	Enforcement of judgment:
*	Plaintiff hires a lawyer: Plaintiff hires a lawyer to enforce the judgment or continues to be represented by a lawyer during the enforcement of judgment phase.
25	Plaintiff retains an enforcement agent to enforce the judgment.: Plaintiff retains the services of a court enforcement officer such as a court bailiff or sheriff, or a private bailiff.
*	Plaintiff requests an enforcement order: Plaintiff applies to the court to obtain the enforcement order ('seal' on judgment).
26	Plaintiff advances enforcement fees: Plaintiff pays the fees related to the enforcement of the judgment.
*	Delivery of enforcement order: The court's enforcement order is delivered to a court enforcement officer or a private bailiff.
27	Request to Defendant to comply voluntarily with judgment: Plaintiff, a court enforcement officer or a private bailiff requests Defendant to voluntarily comply with the judgment.
28	Identification of Defendant's assets by court official or Defendant for purposes of enforcement: The judge, a court enforcement officer, a private bailiff or the Defendant himself identifies Defendant's movable assets for the purposes of enforcing the judgment through a sale of Defendant's assets.
29	Attachment: Defendant's movable goods are attached (physically or by registering, marking or separating assets).
30	Enforcement disputes before court: The enforcement of the judgment is delayed because Defendant opposes aspects of the enforcement process before the judge.
31	Sale through public auction: The Defendant's movable property is sold at public auction.
32	Reimbursement of Plaintiff's enforcement fees: Defendant reimburses Plaintiff's enforcement fees which Plaintiff had advanced previously.

\* Not counted in the total number of procedures.

Source: *Doing Business* database.

## RESOLVING INSOLVENCY

A robust bankruptcy system functions as a filter, ensuring the survival of economically efficient companies and reallocating the resources of inefficient ones. Fast and cheap insolvency proceedings result in the speedy return of businesses to normal operation and increase returns to creditors. By improving the expectations of creditors and debtors about the outcome of insolvency proceedings, well-functioning insolvency systems can facilitate access to finance, save more viable businesses and thereby improve growth and sustainability in the economy overall.

### What do the indicators cover?

*Doing Business* studies the time, cost and outcome of insolvency proceedings involving domestic legal entities. These variables are used to calculate the recovery rate, which is recorded as cents on the dollar recouped by secured creditors through reorganization, liquidation or debt enforcement (foreclosure) proceedings. To determine the present value of the amount recovered by creditors, *Doing Business* uses the lending rates from the International Monetary Fund, supplemented with data from central banks and the Economist Intelligence Unit.

In addition, *Doing Business* evaluates the adequacy and integrity of the existing legal framework applicable to liquidation and reorganization proceedings through the strength of insolvency framework index. The index tests whether economies adopted internationally accepted good practices in four areas: commencement of proceedings, management of debtor's assets, reorganization proceedings and creditor participation.

The ranking of the Resolving Insolvency indicator is based on the recovery rate and the total score of the strength of insolvency framework index. The Resolving Insolvency indicator does not measure insolvency proceedings of individuals and financial institutions. The data are derived from survey responses by local insolvency practitioners and verified through a study of laws and regulations as well as public information on bankruptcy systems.

### WHAT THE RESOLVING INSOLVENCY INDICATORS MEASURE

#### Time required to recover debt (years)

Measured in calendar years

Appeals and requests for extension are included

#### Cost required to recover debt (% of debtor's estate)

Measured as percentage of estate value

Court fees

Fees of insolvency administrators

Lawyers' fees

Assessors' and auctioneers' fees

Other related fees

#### Outcome

Whether business continues operating as a going concern or business assets are sold piecemeal

#### Recovery rate for creditors

Measures the cents on the dollar recovered by secured creditors

Outcome for the business (survival or not) determines the maximum value that can be recovered

Official costs of the insolvency proceedings are deducted

Depreciation of furniture is taken into account

Present value of debt recovered

#### Strength of insolvency framework index (0-16)

Sum of the scores of four component indices:

Commencement of proceedings index (0-3)

Management of debtor's assets index (0-6)

Reorganization proceedings index (0-3)

Creditor participation index (0-4)

## RESOLVING INSOLVENCY

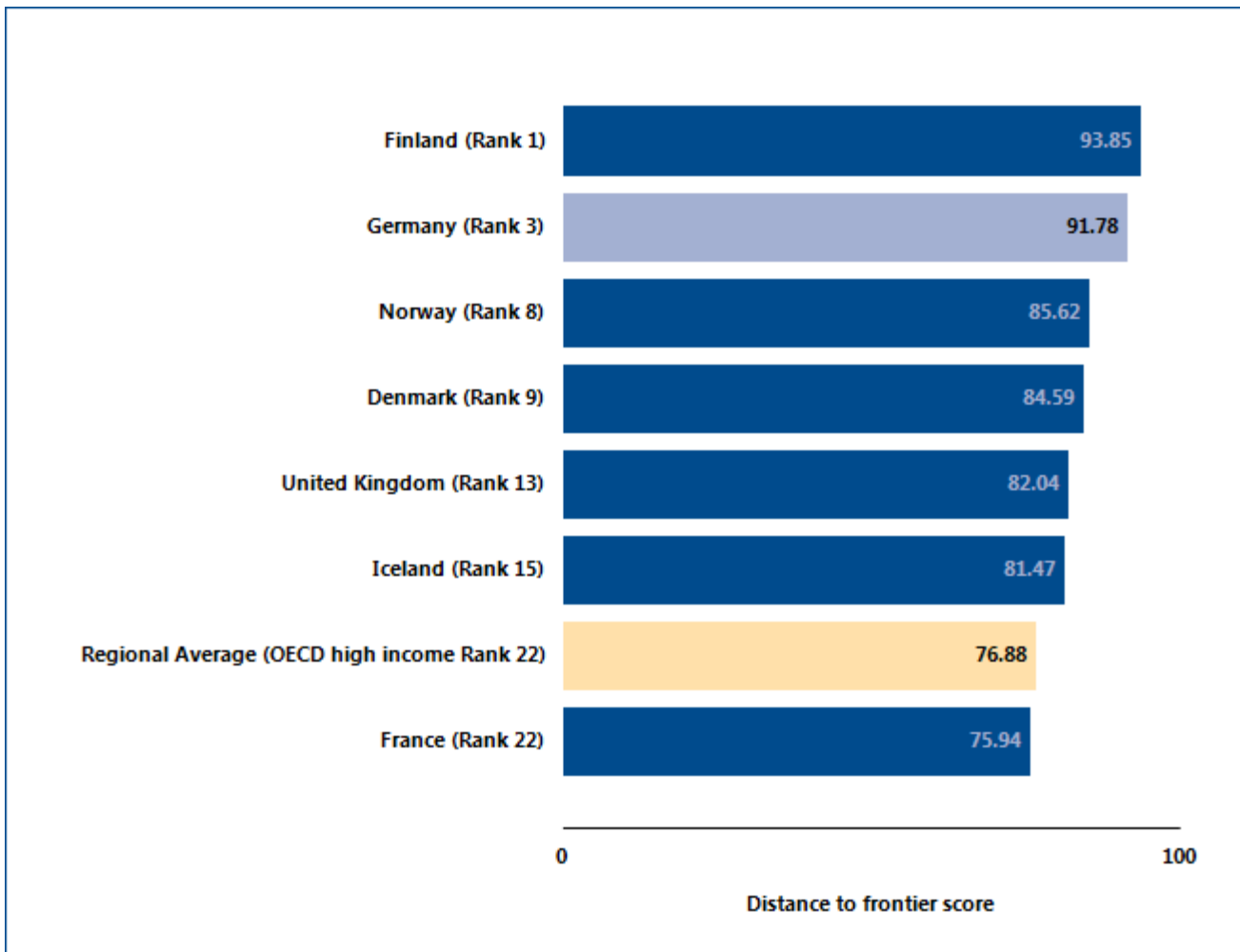
### Where does the economy stand today?

Combination of quality regulations and efficient practice characterize the top-performing economies. How efficient are insolvency proceedings in Germany? According to data collected by *Doing Business*, resolving insolvency takes 1.2 years on average and costs 8.0% of the debtor's estate, with the most likely outcome being that the company will be sold as going concern. The average recovery rate is 83.4 cents on the dollar. Most indicator sets refer to a case scenario in the largest business city of an economy, except for 11 economies for which the data are a population-weighted average of the 2 largest business cities. See the chapter on distance to frontier and ease of doing business ranking at the end of this profile for more details.

According to data collected by *Doing Business*, Germany scores 3.0 out of 3 points on the commencement of proceedings index, 6.0 out of 6 points on the management of debtor's assets index, 3.0 out of 3 points on the reorganization proceedings index, and 3.0 out of 4 points on the creditor participation index. Germany's total score on the strength of insolvency framework index is 15.0 out of 16.

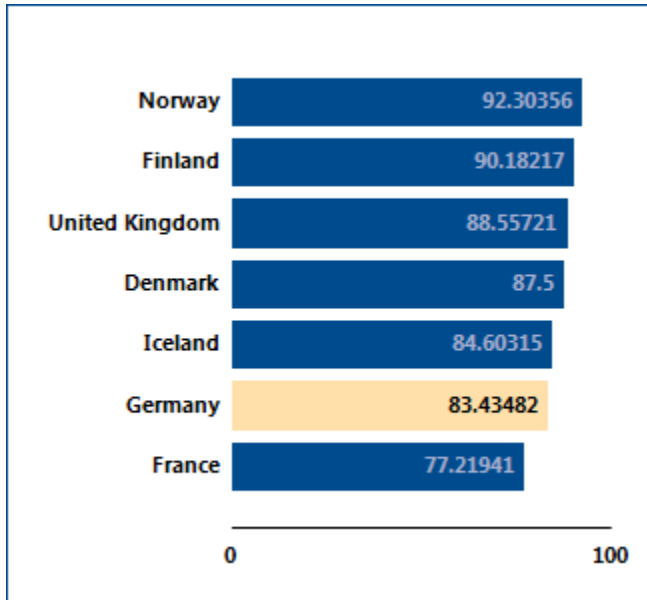
Globally, Germany stands at 3 in the ranking of 189 economies on the ease of resolving insolvency (figure 11.1). The rankings for comparator economies and the regional average ranking provide other useful benchmarks for assessing the efficiency of insolvency proceedings in Germany.

Figure 11.1 How Germany and comparator economies rank on the ease of resolving insolvency



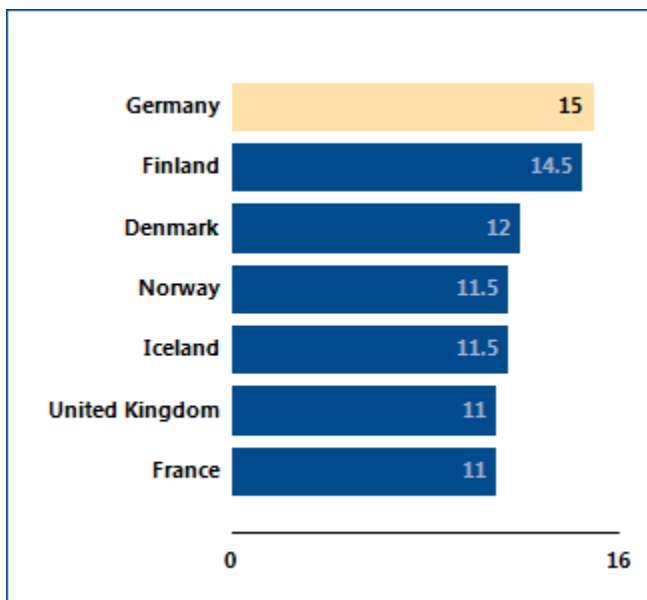
Source: Doing Business database.

Figure 11.2 Recovery Rate (0-100) - Germany



Source: Doing Business database.

Figure 11.3 Strength of insolvency framework index (0-16) - Germany



Source: Doing Business database.

## RESOLVING INSOLVENCY

A well-balanced bankruptcy system distinguishes companies that are financially distressed but economically viable from inefficient companies that should be liquidated. But in some insolvency systems even viable businesses are liquidated. This is starting to

change. Many recent reforms of bankruptcy laws have been aimed at helping more of the viable businesses survive. What insolvency reforms has *Doing Business* recorded in Germany (table 11.1)?

Table 11.1 How has Germany made resolving insolvency easier—or not?

By *Doing Business* report year from DB2010 to DB2015

DB year	Reform
<b>DB2010</b>	Germany enhanced its insolvency process through the Act on the Implementation of Measures to Stabilize the Financial Market (Finanzmarktstabilisierungsgesetz), which removed the requirement for potentially viable companies to file for immediate insolvency in cases of overindebtedness.
<b>DB2013</b>	Germany strengthened its insolvency process by adopting a new insolvency law that facilitates in-court restructurings of distressed companies and increases participation by creditors.

*Note:* For information on reforms in earlier years (back to DB2005), see the *Doing Business* reports for these years, available at <http://www.doingbusiness.org>.

*Source:* *Doing Business* database.

## LABOR MARKET REGULATION

*Doing Business* measures flexibility in the regulation of employment, specifically as it affects the hiring and redundancy of workers and the rigidity of working hours. This year, for the first time, the indicators measuring flexibility in labor market regulations focus on those affecting the food retail industry, using a standardized case study of a cashier in a supermarket. Also new is that *Doing Business* collects data on regulations applying to employees hired through temporary-work agencies as well as on those applying to permanent employees or employees hired on fixed-term contracts. The indicators also cover additional areas of labor market regulation, including social protection schemes and benefits as well as labor disputes.

Over the period from 2007 to 2011 improvements were made to align the methodology for the labor market regulation indicators (formerly the employing workers indicators) with the letter and spirit of the International Labour Organization (ILO) conventions. Only 6 of the 188 ILO conventions cover areas measured by *Doing Business*: employee termination, weekend work, holiday with pay, night work, protection against unemployment and medical care and sickness benefits. The *Doing Business* methodology is fully consistent with these 6 conventions. The ILO conventions covering areas related to the labor market regulation indicators do not include the ILO core labor standards—8 conventions covering the right to collective bargaining, the elimination of forced labor, the abolition of child labor and equitable treatment in employment practices.

Between 2009 and 2011 the World Bank Group worked with a consultative group—including labor lawyers, employer and employee representatives, and experts from the ILO, the Organisation for Economic Co-operation and Development (OECD), civil society and the private sector—to review the methodology for the labor market regulation indicators and explore future areas of research.

A full report with the conclusions of the consultative group is available at:  
<http://www.doingbusiness.org/methodology/employing-workers>.

*Doing Business 2015* presents the data for the labor market regulation indicators in an annex. The report does not present rankings of economies on these indicators nor include the topic in the aggregate distance to frontier score or ranking on the ease of doing business. Detailed data collected on labor market regulations are available on the *Doing Business* website (<http://www.doingbusiness.org>). The data on labor market regulations are based on a detailed survey of employment regulations that is completed by local lawyers and public officials. Employment laws and regulations as well as secondary sources are reviewed to ensure accuracy. To make the data comparable across economies, several assumptions about the worker and the business are used.

The worker:

- Is a cashier in a supermarket or a grocery store
- Is a full-time employee
- Is not a member of the labor union, unless membership is mandatory

The business:

- Is a limited liability company (or the equivalent in the economy) with 60 employees.
- Operates a supermarket or grocery store in the economy's largest business city. For 11 economies the data are also collected for the second largest business city.
- Is subject to collective bargaining agreements if such agreements cover more than 50% of the food retail sector and they apply even to firms that are not party to them.
- Abides by every law and regulation but does not grant workers more benefits than those mandated by law, regulation or (if applicable) collective bargaining agreements.

## LABOR MARKET REGULATION

### What are the details?

The data reported here for Germany are based on a detailed survey of labor market regulation that is completed by local lawyers and public officials.

Employment laws and regulations as well as secondary sources are reviewed to ensure accuracy.

#### Difficulty of hiring index

Difficulty of hiring covers 4 areas: (i) whether fixed-term contracts are prohibited for permanent tasks; (ii) the maximum cumulative duration of fixed-term contracts; (iii) the minimum wage for a cashier, age 19, with 1 year of work experience; and (iv) the ratio of the minimum

wage to the average value added per worker. The average value added per worker is the ratio of an economy's GNI per capita to the working-age population as a percentage of the total population.

Difficulty of hiring index	Data
Fixed-term contracts prohibited for permanent tasks?	No
Maximum length of a single fixed-term contract (months)	No maximum duration for fixed-term contract with objective cause; 24 months for fixed-term contract without objective cause (Sect. 14 para. 2 TzBfG)
Maximum length of fixed-term contracts, including renewals (months)	24
Minimum wage applicable to the worker assumed in the case study (US\$/month)	0.00
Ratio of minimum wage to value added per worker	0.00

Source: *Doing Business* database.



## LABOR MARKET REGULATION

### Rigidity of hours index

Rigidity of hours covers 7 areas: (i) whether the workweek can extend to 50 hours or more (including overtime) for 2 months in a year to respond to a seasonal increase in workload; (ii) the maximum number of days allowed in the workweek; (iii) the premium for night work (as a percentage of hourly pay); (iv) the premium for work on a weekly rest day (as a percentage of hourly pay); (v) whether there are restrictions on night work; (vi) whether there are restrictions on weekly holiday work; and (vii) the average paid annual leave for workers with 1 year of tenure, 5 years of tenure and 10 years of tenure.

Rigidity of hours index	Data
50-hour workweek allowed for 2 months a year in case of a seasonal increase in workload?	Yes
Maximum working days per week	6.0
Premium for night work (% of hourly pay)	0%
Premium for work on weekly rest day (% of hourly pay)	0%
Major restrictions on night work?	No
Major restrictions on weekly holiday?	No
Paid annual leave for a worker with 1 year of tenure (in working days)	24.0
Paid annual leave for a worker with 5 years of tenure (in working days)	24.0
Paid annual leave for a worker with 10 years of tenure (in working days)	24.0
Paid annual leave (average for workers with 1, 5 and 10 years of tenure, in working days)	24.0

Source: *Doing Business* database.

## LABOR MARKET REGULATION

### Difficulty of redundancy index

Difficulty of redundancy index looks at 9 questions: (i) what the length is in months of the maximum probationary period; (ii) whether redundancy is disallowed as a basis for terminating workers; (iii) whether the employer needs to notify a third party (such as a government agency) to terminate 1 redundant worker; (iv) whether the employer needs to notify a third party to terminate a group of 9 redundant workers; (v)

whether the employer needs approval from a third party to terminate 1 redundant worker; (vi) whether the employer needs approval from a third party to terminate a group of 9 redundant workers; (vii) whether the law requires the employer to reassign or retrain a worker before making the worker redundant; (viii) whether priority rules apply for redundancies; and (ix) whether priority rules apply for reemployment.

Difficulty of redundancy index	Data
Maximum length of probationary period (months)	6.0
Dismissal due to redundancy allowed by law?	Yes
Third-party notification if 1 worker is dismissed?	Yes
Third-party approval if 1 worker is dismissed?	No
Third-party notification if 9 workers are dismissed?	Yes
Third-party approval if 9 workers are dismissed?	No
Retraining or reassignment obligation before redundancy?	Yes
Priority rules for redundancies?	Yes
Priority rules for reemployment?	No

Source: *Doing Business* database.

## LABOR MARKET REGULATION

### Redundancy cost

Redundancy cost measures the cost of advance notice requirements, severance payments and penalties due when terminating a redundant worker, expressed in weeks of salary. The average value of notice

requirements and severance payments applicable to a worker with 1 year of tenure, a worker with 5 years and a worker with 10 years is considered. One month is recorded as 4 and 1/3 weeks.

Redundancy cost indicator (in salary weeks)	Data
Notice period for redundancy dismissal for a worker with 1 year of tenure	4.0
Notice period for redundancy dismissal for a worker with 5 years of tenure	8.7
Notice period for redundancy dismissal for a worker with 10 years of tenure	17.3
Notice period for redundancy dismissal (average for workers with 1, 5 and 10 years of tenure)	10.0
Severance pay for redundancy dismissal for a worker with 1 year of tenure	2.2
Severance pay for redundancy dismissal for a worker with 5 years of tenure	10.8
Severance pay for redundancy dismissal for a worker with 10 years of tenure	21.7
Severance pay for redundancy dismissal (average for workers with 1, 5 and 10 years of tenure)	11.6

Source: *Doing Business* database.

### Social protection schemes and benefits & Labor disputes

*Doing Business* collects data on the existence of unemployment protection schemes as well as data on whether employers are legally required to provide health insurance for employees with permanent contracts.

*Doing Business* also assesses the mechanisms available to resolve labor disputes. More specifically, it collects data on what courts would be competent to hear labor disputes and whether the competent court is specialized in resolving labor disputes.

Social protection schemes and benefits & Labor disputes indicator	Data
Availability of unemployment protection scheme?	Yes
Health insurance existing for permanent employees?	Yes
Availability of courts or court sections specializing in labor disputes?	Yes

Source: *Doing Business* database.



## DISTANCE TO FRONTIER AND EASE OF DOING BUSINESS RANKING

This year's report presents results for 2 aggregate measures: the distance to frontier score and the ease of doing business ranking, which for the first time this year is based on the distance to frontier score. The ease of doing business ranking compares economies with one another; the distance to frontier score benchmarks economies with respect to regulatory best practice, showing the absolute distance to the best performance on each *Doing Business* indicator. When compared across years, the distance to frontier score shows how much the regulatory environment for local entrepreneurs in an economy has changed over time in absolute terms, while the ease of doing business ranking can show only how much the regulatory environment has changed relative to that in other economies.

### Distance to Frontier

The distance to frontier score captures the gap between an economy's performance and a measure of best practice across the entire sample of 31 indicators for 10 *Doing Business* topics (the labor market regulation indicators are excluded). For starting a business, for example, Canada and New Zealand have the smallest number of procedures required (1), and New Zealand the shortest time to fulfill them (0.5 days). Slovenia has the lowest cost (0.0), and Australia, Colombia and 110 other economies have no paid-in minimum capital requirement (table 15.1 in the *Doing Business 2015* report).

#### Calculation of the distance to frontier score

Calculating the distance to frontier score for each economy involves 2 main steps. First, individual component indicators are normalized to a common unit where each of the 31 component indicators  $y$  (except for the total tax rate) is rescaled using the linear transformation  $(\text{worst} - y)/(\text{worst} - \text{frontier})$ . In this formulation the frontier represents the best performance on the indicator across all economies since 2005 or the third year after data for the indicator were collected for the first time. For legal indicators such as those on getting credit or protecting minority investors, the frontier is set at the highest possible value. For the total tax rate, consistent with the use of a threshold in calculating the rankings on this indicator, the frontier is

defined as the total tax rate at the 15th percentile of the overall distribution for all years included in the analysis. For the time to pay taxes the frontier is defined as the lowest time recorded among all economies that levy the 3 major taxes: profit tax, labor taxes and mandatory contributions, and value added tax (VAT) or sales tax. In addition, the cost to export and cost to import for each year are divided by the GDP deflator, to take the general price level into account when benchmarking these absolute-cost indicators across economies with different inflation trends. The base year for the deflator is 2013 for all economies.

In the same formulation, to mitigate the effects of extreme outliers in the distributions of the rescaled data for most component indicators (very few economies need 700 days to complete the procedures to start a business, but many need 9 days), the worst performance is calculated after the removal of outliers. The definition of outliers is based on the distribution for each component indicator. To simplify the process, 2 rules were defined: the 95th percentile is used for the indicators with the most dispersed distributions (including time, cost, minimum capital and number of payments to pay taxes), and the 99th percentile is used for number of procedures and number of documents to trade. No outlier was removed for component indicators bound by definition or construction, including legal index scores (such as the depth of credit information index, extent of conflict of interest regulation index and strength of insolvency framework index) and the recovery rate (figure 15.1 in the *Doing Business 2015* report).

Second, for each economy the scores obtained for individual indicators are aggregated through simple averaging into one distance to frontier score, first for each topic and then across all 10 topics: starting a business, dealing with construction permits, getting electricity, registering property, getting credit, protecting minority investors, paying taxes, trading across borders, enforcing contracts and resolving insolvency. More complex aggregation methods—such as principal components and unobserved components—yield a ranking nearly identical to the simple average used by *Doing Business*<sup>6</sup>. Thus *Doing Business* uses the simplest

<sup>6</sup> See Djankov, Manraj and others (2005). Principal components and unobserved components methods yield a ranking nearly identical to

method: weighting all topics equally and, within each topic, giving equal weight to each of the topic components<sup>7</sup>.

An economy's distance to frontier score is indicated on a scale from 0 to 100, where 0 represents the worst performance and 100 the frontier. All distance to frontier calculations are based on a maximum of 5 decimals. However, indicator ranking calculations and the ease of doing business ranking calculations are based on 2 decimals. The difference between an economy's distance to frontier score in any previous year and its score in 2014 illustrates the extent to which the economy has closed the gap to the regulatory frontier over time. And in any given year the score measures how far an economy is from the best performance at that time.

#### Treatment of the total tax rate

This year, for the first time, the total tax rate component of the paying taxes indicator set enters the distance to frontier calculation in a different way than any other indicator. The distance to frontier score obtained for the total tax rate is transformed in a nonlinear fashion before it enters the distance to frontier score for paying taxes. As a result of the nonlinear transformation, an increase in the total tax rate has a smaller impact on the distance to frontier score for the total tax rate—and therefore on the distance to frontier score for paying taxes—for economies with a below-average total tax rate than it would have in the calculation done in previous years (line B is smaller than line A in figure 15.2 of the *Doing Business 2015* report). And for economies with an extreme total tax rate (a rate that is very high relative to the average), an increase has a greater impact on both these distance to frontier scores than before (line D is bigger than line C in figure 15.2 of the *Doing Business 2015* report).

The nonlinear transformation is not based on any economic theory of an "optimal tax rate" that minimizes distortions or maximizes efficiency in an economy's

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that from the simple average method because both these methods assign roughly equal weights to the topics, since the pairwise correlations among indicators do not differ much. An alternative to the simple average method is to give different weights to the topics, depending on which are considered of more or less importance in the context of a specific economy.

<sup>7</sup> For getting credit, indicators are weighted proportionally, according to their contribution to the total score, with a weight of 60% assigned to the strength of legal rights index and 40% to the depth of credit information index. Indicators for all other topics are assigned equal weights

overall tax system. Instead, it is mainly empirical in nature. The nonlinear transformation along with the threshold reduces the bias in the indicator toward economies that do not need to levy significant taxes on companies like the *Doing Business* standardized case study company because they raise public revenue in other ways—for example, through taxes on foreign companies, through taxes on sectors other than manufacturing or from natural resources (all of which are outside the scope of the methodology). In addition, it acknowledges the need of economies to collect taxes from firms.

#### Calculation of scores for economies with 2 cities covered

For each of the 11 economies for which a second city was added in this year's report, the distance to frontier score is calculated as the population-weighted average of the distance to frontier scores for the 2 cities covered (table 12.1). This is done for the aggregate score, the scores for each topic and the scores for all the component indicators for each topic.

Table 12.1 Weights used in calculating the distance to frontier scores for economies with 2 cities covered

Economy	City	Weight (%)
Bangladesh	Dhaka	78
	Chittagong	22
Brazil	São Paulo	61
	Rio de Janeiro	39
China	Shanghai	55
	Beijing	45
India	Mumbai	47
	Delhi	53
Indonesia	Jakarta	78
	Surabaya	22
Japan	Tokyo	65
	Osaka	35
Mexico	Mexico City	83
	Monterrey	17
Nigeria	Lagos	77
	Kano	23
Pakistan	Karachi	65
	Lahore	35
Russian Federation	Moscow	70
	St. Petersburg	30
United States	New York	60
	Los Angeles	40

Source: United Nations, Department of Economic and Social Affairs, Population Division, World Urbanization Prospects, 2014 Revision. <http://esa.un.org/unpd/wup/CD-ROM/Default.aspx>.

### Economies that improved the most across 3 or more *Doing Business* topics in 2013/14

*Doing Business 2015* uses a simple method to calculate which economies improved the ease of doing business the most. First, it selects the economies that in 2013/14 implemented regulatory reforms making it easier to do business in 3 or more of the 10 topics included in this year's aggregate distance to frontier score. Twenty-one economies meet this criterion: Azerbaijan; Benin; the Democratic Republic of Congo; Côte d'Ivoire; the Czech Republic; Greece; India; Ireland; Kazakhstan; Lithuania; the former Yugoslav Republic of Macedonia; Poland; Senegal; the Seychelles; Spain; Switzerland; Taiwan, China; Tajikistan; Togo; Trinidad and Tobago; and the United Arab Emirates. Second, *Doing Business* sorts these economies on the increase in their distance to frontier score from the previous year using comparable data.

Selecting the economies that implemented regulatory reforms in at least 3 topics and had the biggest improvements in their distance to frontier scores is intended to highlight economies with ongoing, broad-based reform programs. The improvement in the distance to frontier score is used to identify the top improvers because this allows a focus on the absolute improvement—in contrast with the relative improvement shown by a change in rankings—that economies have made in their regulatory environment for business.

### Ease of *Doing Business* ranking

The ease of doing business ranking ranges from 1 to 189. The ranking of economies is determined by sorting the aggregate distance to frontier scores, rounded to 2 decimals.

## RESOURCES ON THE *DOING BUSINESS* WEBSITE

### **Current features**

News on the *Doing Business* project  
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