



# Doing Business



2012

## Economy Profile: **United Kingdom**

Doing business in a  
**more transparent world**

COMPARING REGULATION FOR DOMESTIC FIRMS IN 183 ECONOMIES

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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 10 areas in the life cycle of a business: starting a business, dealing with construction permits, getting electricity, registering property, getting credit, protecting investors, paying taxes, trading across borders, enforcing contracts and resolving insolvency.

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 183 economies, from Afghanistan to Zimbabwe, over time. The data set covers 46 economies in Sub-Saharan Africa, 32 in Latin America and the Caribbean, 24 in East Asia and the Pacific, 24 in Eastern Europe and Central Asia, 18 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 United Kingdom. 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, 2011

(except for the paying taxes indicators, which cover the period January–December 2010).

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 2012* presents the indicators, analyzes their relationship with economic outcomes and recommends regulatory reforms. The data, along with information on ordering *Doing Business 2012*, are available on the *Doing Business* website at <http://www.doingbusiness.org>.

## 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 183 by the ease of doing business index. For each economy the index is calculated as the ranking on the simple average of its percentile rankings on each of the 10 topics included in the index in *Doing Business 2012*: starting a business, dealing with construction permits, getting electricity, registering property, getting credit, protecting investors, paying taxes, trading across borders, enforcing contracts and resolving insolvency. The ranking on each topic is the simple average of the percentile rankings on its component indicators (see the data notes for more details).<sup>1</sup>

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:** 62,246,610

**GNI per capita (US\$):** 38,540.00

**DB2012 rank:** 7

**DB2011 rank:** 6

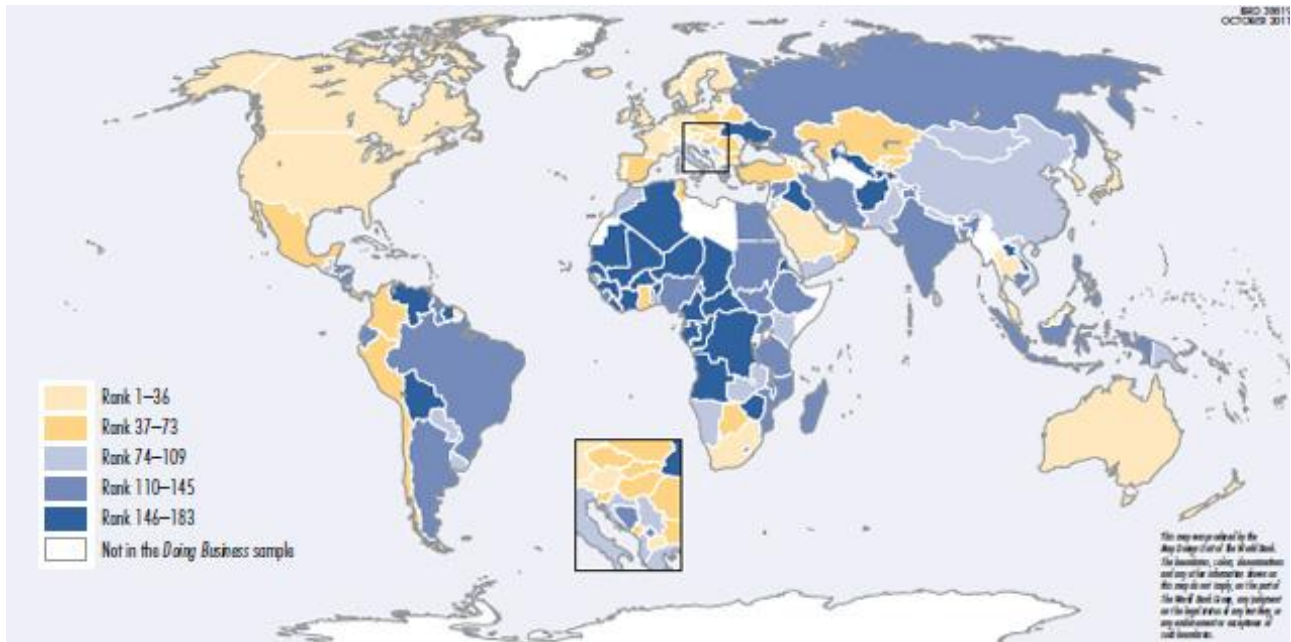
**Change in rank:** -1

*Note:* See the data notes for sources and definitions.

<sup>1</sup> Except for the ease of getting credit, for which the percentile rankings on its component indicators are weighted, the depth of credit information index at 37.5% and the strength of legal rights index at 62.5%.

## THE BUSINESS ENVIRONMENT

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



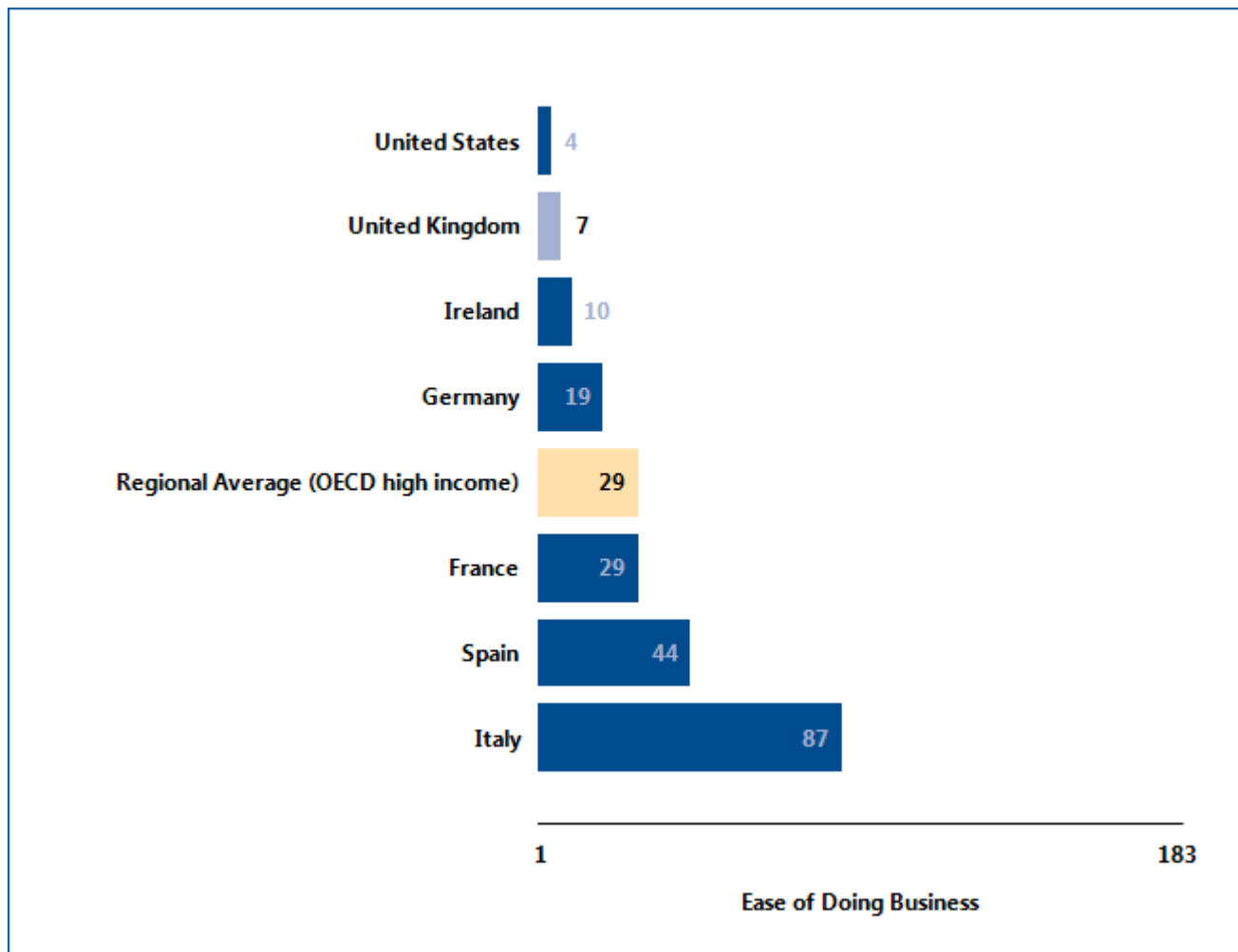
Source: *Doing Business* database.

## 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 compared with other economies and compared with

the regional average (figure 1.2). The economy's rankings on the topics included in the ease of doing business index provide another perspective (figure 1.3).

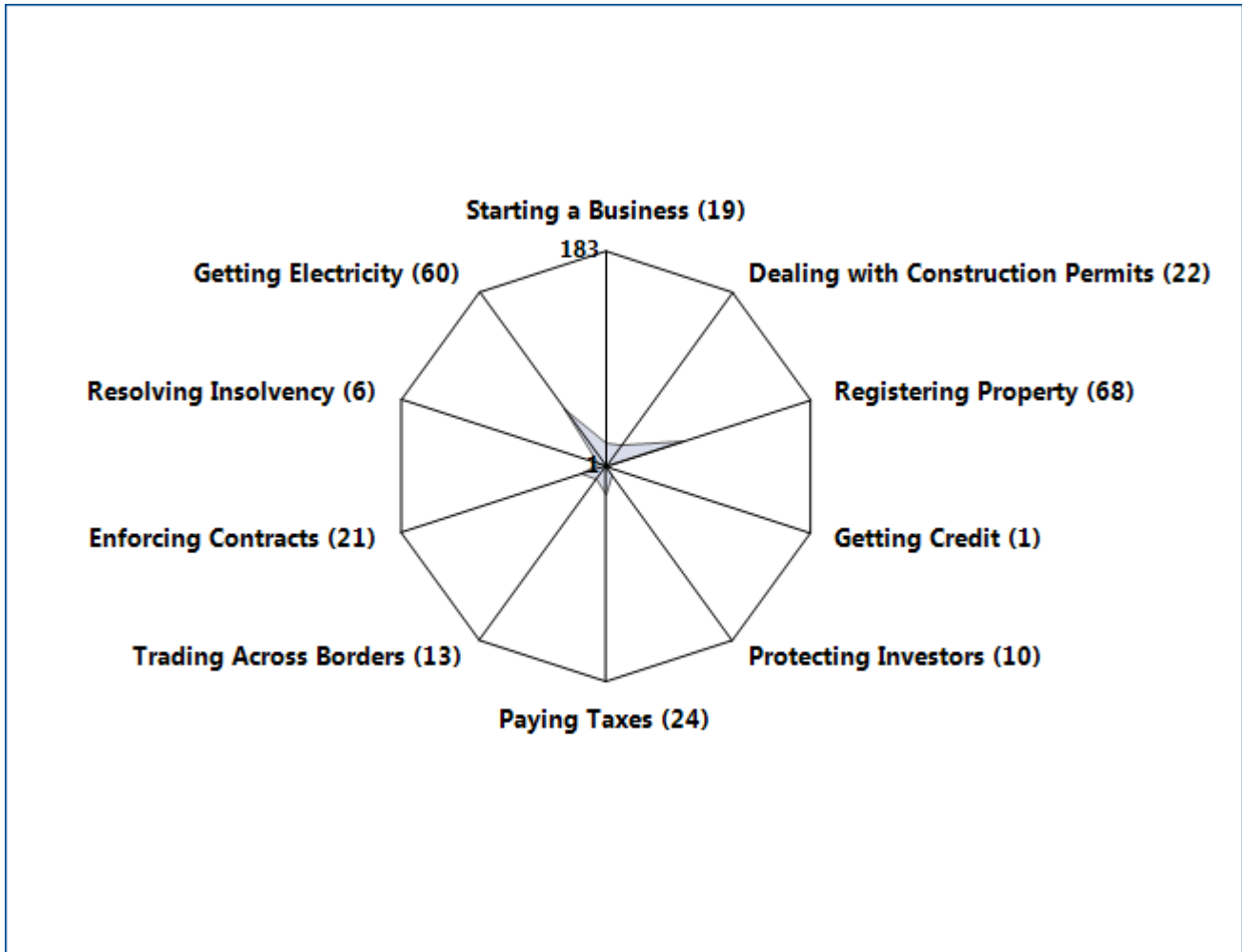
Figure 1.2 How United Kingdom and comparator economies rank on the ease of doing business



Source: Doing Business database.

## THE BUSINESS ENVIRONMENT

Figure 1.3 How United Kingdom ranks on *Doing Business* topics



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. An economy's ranking might change because of developments in other economies. An economy that implemented business regulation reforms may fail to rise in the rankings (or may even drop) if it is passed by others whose business regulation reforms had a more significant impact as measured by *Doing Business*.

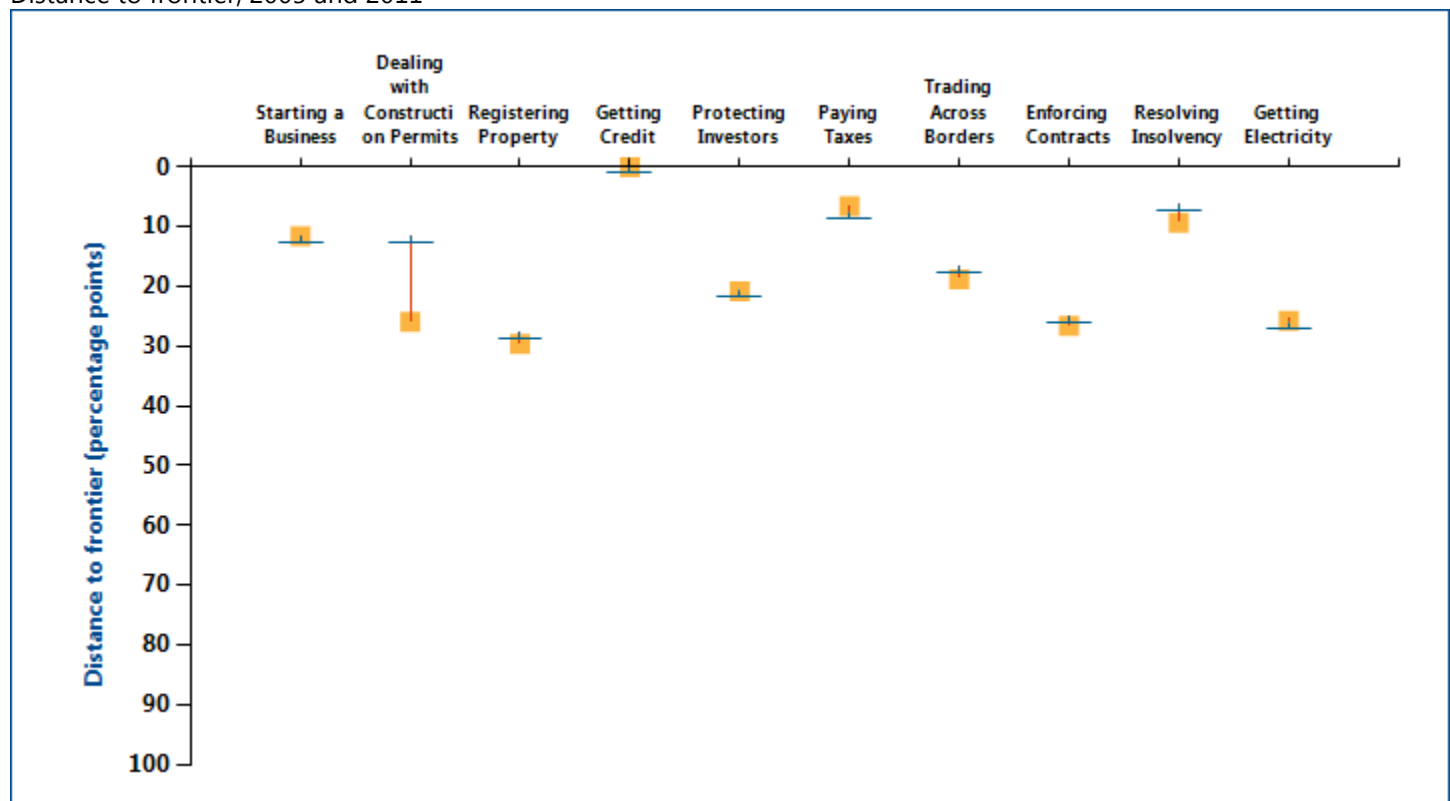
Moreover, year-to-year changes in the overall rankings do not reflect how the business regulatory environment in an economy has changed over time—or how it has changed in different areas. To aid in assessing such changes, *Doing Business 2012* introduces the distance to frontier measure.

This measure shows the distance of each economy to the "frontier," a synthetic measure based on the most efficient practice or highest score observed for each *Doing Business* indicator across all economies and years included in the *Doing Business* sample since 2005. Nine areas of business regulation are covered.

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 1.4). The results may show that the pace of change varies widely across the areas measured. They also may show that an economy is relatively close to the frontier in some areas and relatively far from it in others.

Figure 1.4 How far has United Kingdom come in the areas measured by *Doing Business*?

Distance to frontier, 2005 and 2011



Note: For economies added to the *Doing Business* sample after 2005, the starting point is the year in which they were added: 2006 for Montenegro; 2007 for Brunei Darussalam, Liberia and Luxembourg; 2008 for The Bahamas, Bahrain and Qatar; and 2009 for Cyprus and Kosovo. See the data notes for more details on the distance to frontier measure.

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 United Kingdom

Indicator	United Kingdom DB2012	United Kingdom DB2011	France DB2012	Germany DB2012	Ireland DB2012	Italy DB2012	Spain DB2012	United States DB2012	Best performer globally DB2012
<b>Starting a Business (rank)</b>	19	17	25	98	13	77	133	13	New Zealand (1)
<b>Procedures (number)</b>	6	6	5	9	4	6	10	6	Canada (1)*
<b>Time (days)</b>	13	13	7	15	13	6	28	6	New Zealand (1)
<b>Cost (% of income per capita)</b>	0.7	0.7	0.9	4.6	0.4	18.2	4.7	1.4	Denmark (0.0)*
<b>Paid-in Min. Capital (% of income per capita)</b>	0.0	0.0	0.0	0.0	0.0	9.9	13.2	0.0	82 Economies (0.0)*
<b>Dealing with Construction Permits (rank)</b>	22	20	30	15	27	96	38	17	Hong Kong SAR, China (1)
<b>Procedures (number)</b>	9	9	10	9	10	11	8	15	Denmark (5)
<b>Time (days)</b>	99	113	184	97	141	258	182	26	Singapore (26)*
<b>Cost (% of income per capita)</b>	63.8	57.5	13.6	49.7	33.1	138.1	51.8	12.8	Qatar (1.1)

Indicator	United Kingdom DB2012	United Kingdom DB2011	France DB2012	Germany DB2012	Ireland DB2012	Italy DB2012	Spain DB2012	United States DB2012	Best performer globally DB2012
Getting Electricity (rank)	60	54	62	2	90	109	69	17	Iceland (1)
Procedures (number)	5	5	5	3	5	5	5	4	Germany (3)*
Time (days)	109	109	123	17	205	192	101	68	Germany (17)
Cost (% of income per capita)	72.3	43.3	40.2	49.9	91.1	327.2	231.9	16.8	Japan (0.0)
Registering Property (rank)	68	62	149	77	81	84	56	16	New Zealand (3)
Procedures (number)	6	6	8	5	5	7	5	4	Portugal (1)*
Time (days)	29	29	59	40	38	27	13	12	Portugal (1)
Cost (% of property value)	4.7	4.7	6.1	5.2	6.5	4.5	7.1	0.8	Slovak Republic (0.0)
Getting Credit (rank)	1	1	48	24	8	98	48	4	United Kingdom (1)*
Strength of legal rights index (0-10)	10	10	7	7	9	3	6	9	New Zealand (10)*
Depth of credit information index (0-6)	6	6	4	6	5	5	5	6	Japan (6)*
Public registry coverage (% of adults)	0.0	0.0	43.3	1.3	0.0	23.0	54.7	0.0	Portugal (86.2)
Private bureau coverage (% of adults)	100.0	100.0	0.0	100.0	100.0	100.0	11.4	100.0	New Zealand (100.0)*
Protecting Investors (rank)	10	10	79	97	5	65	97	5	New Zealand (1)
Extent of disclosure index (0-10)	10	10	10	5	10	7	5	7	France (10)*

Indicator	United Kingdom DB2012	United Kingdom DB2011	France DB2012	Germany DB2012	Ireland DB2012	Italy DB2012	Spain DB2012	United States DB2012	Best performer globally DB2012
Extent of director liability index (0-10)	7	7	1	5	6	4	6	9	Singapore (9)*
Ease of shareholder suits index (0-10)	7	7	5	5	9	6	4	9	New Zealand (10)*
Strength of investor protection index (0-10)	8.0	8.0	5.3	5.0	8.3	5.7	5.0	8.3	New Zealand (9.7)
Paying Taxes (rank)	24	21	58	89	5	134	48	72	Canada (8)
Payments (number per year)	8	8	7	12	8	15	8	11	Norway (4)
Time (hours per year)	110	110	132	221	76	285	187	187	Luxembourg (59)
Trading Across Borders (rank)	13	14	24	12	21	63	55	20	Singapore (1)
Documents to export (number)	4	4	2	4	4	4	6	4	France (2)
Time to export (days)	7	7	9	7	7	20	9	6	Hong Kong SAR, China (5)*
Cost to export (US\$ per container)	950	950	1078	872	1109	1245	1221	1050	Malaysia (450)
Documents to import (number)	4	4	2	5	4	4	7	5	France (2)
Time to import (days)	6	6	11	7	12	18	10	5	Singapore (4)
Cost to import (US\$ per container)	1045	1045	1248	937	1121	1245	1221	1315	Malaysia (435)
Enforcing Contracts (rank)	21	22	6	8	62	158	54	7	Luxembourg (1)

Indicator	United Kingdom DB2012	United Kingdom DB2011	France DB2012	Germany DB2012	Ireland DB2012	Italy DB2012	Spain DB2012	United States DB2012	Best performer globally DB2012
Time (days)	399	399	331	394	650	1210	515	300	Singapore (150)
Cost (% of claim)	24.8	23.4	17.4	14.4	26.9	29.9	17.2	14.4	Bhutan (0.1)
Procedures (number)	28	28	29	30	21	41	39	32	Ireland (21)*
Resolving Insolvency (rank)	6	7	46	36	10	30	20	15	Japan (1)
Time (years)	1.0	1.0	1.9	1.2	0.4	1.8	1.5	1.5	Ireland (0.4)
Cost (% of estate)	6	6	9	8	9	22	11	7	Singapore (1)*
Recovery rate (cents on the dollar)	88.6	88.6	45.8	53.8	86.9	61.1	75.6	81.5	Japan (92.7)

Note: The methodology for the paying taxes indicators changed in *Doing Business 2012*; see the data notes for details. For these indicators, the best performer globally is the economy that has implemented the most efficient practices in its tax system and is not necessarily the one with the highest ranking. For more information on “no practice” marks, see the data notes for details.

\* 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 that are 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 on the ease of starting a business is the simple average of the percentile rankings on the 4 component indicators: procedures, time, cost and paid-in minimum capital requirement.

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 all government and nongovernment entities involved in the process function without corruption. And it assumes that the business:

- Is a limited liability company, located in the largest business city.
- Conducts general commercial or industrial activities.

### 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
- 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
- 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)
- 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.
- Is 100% domestically owned.

## STARTING A BUSINESS

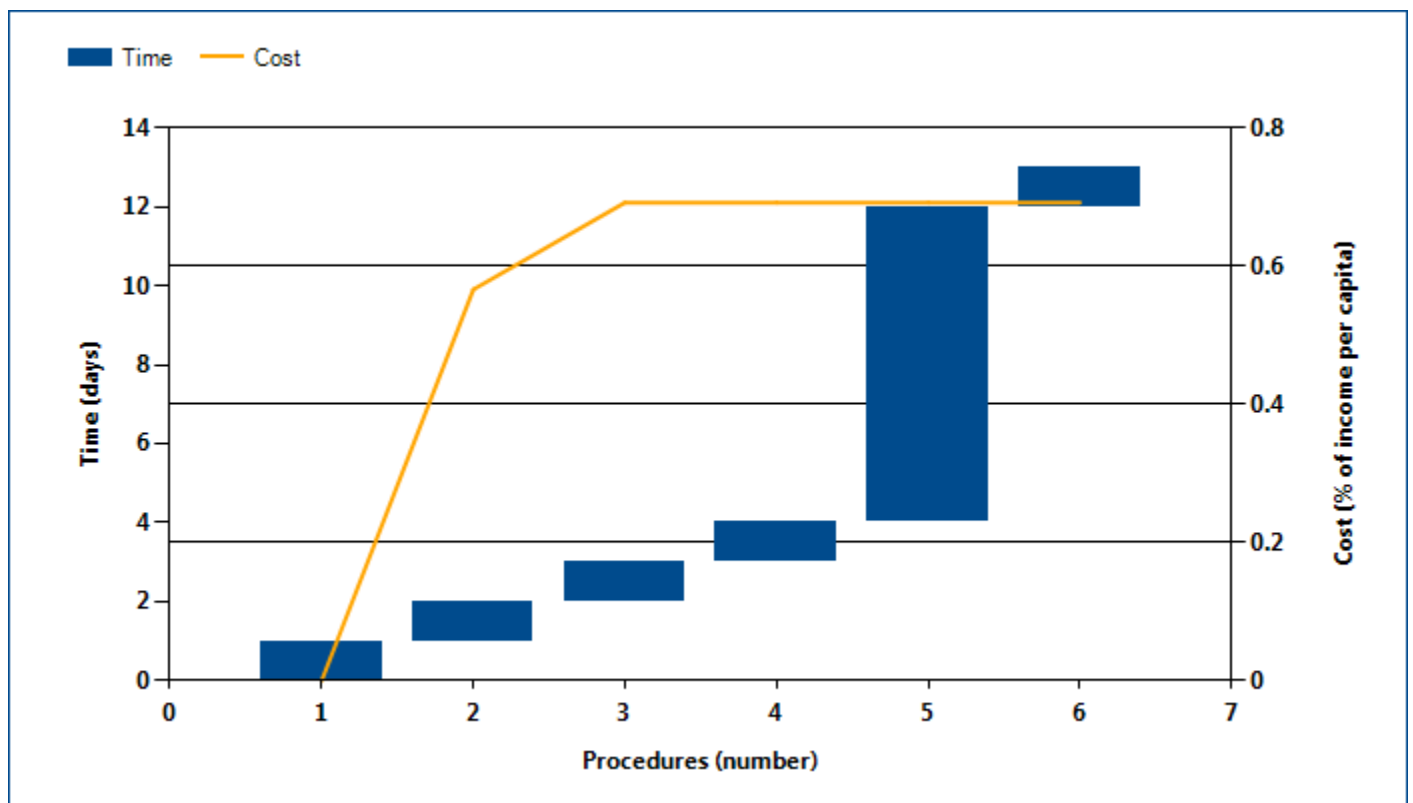
### Where does the economy stand today?

What does it take to start a business in United Kingdom? According to data collected by *Doing Business*, starting a business there requires 6

procedures, takes 13 days, costs 0.7% of income per capita and requires paid-in minimum capital of 0.0% of income per capita (figure 2.1).

Figure 2.1 What it takes to start a business in United Kingdom

Paid-in minimum capital (% of income per capita): 0.0



Note: For details on the procedures reflected here, see the summary at the end of this chapter.

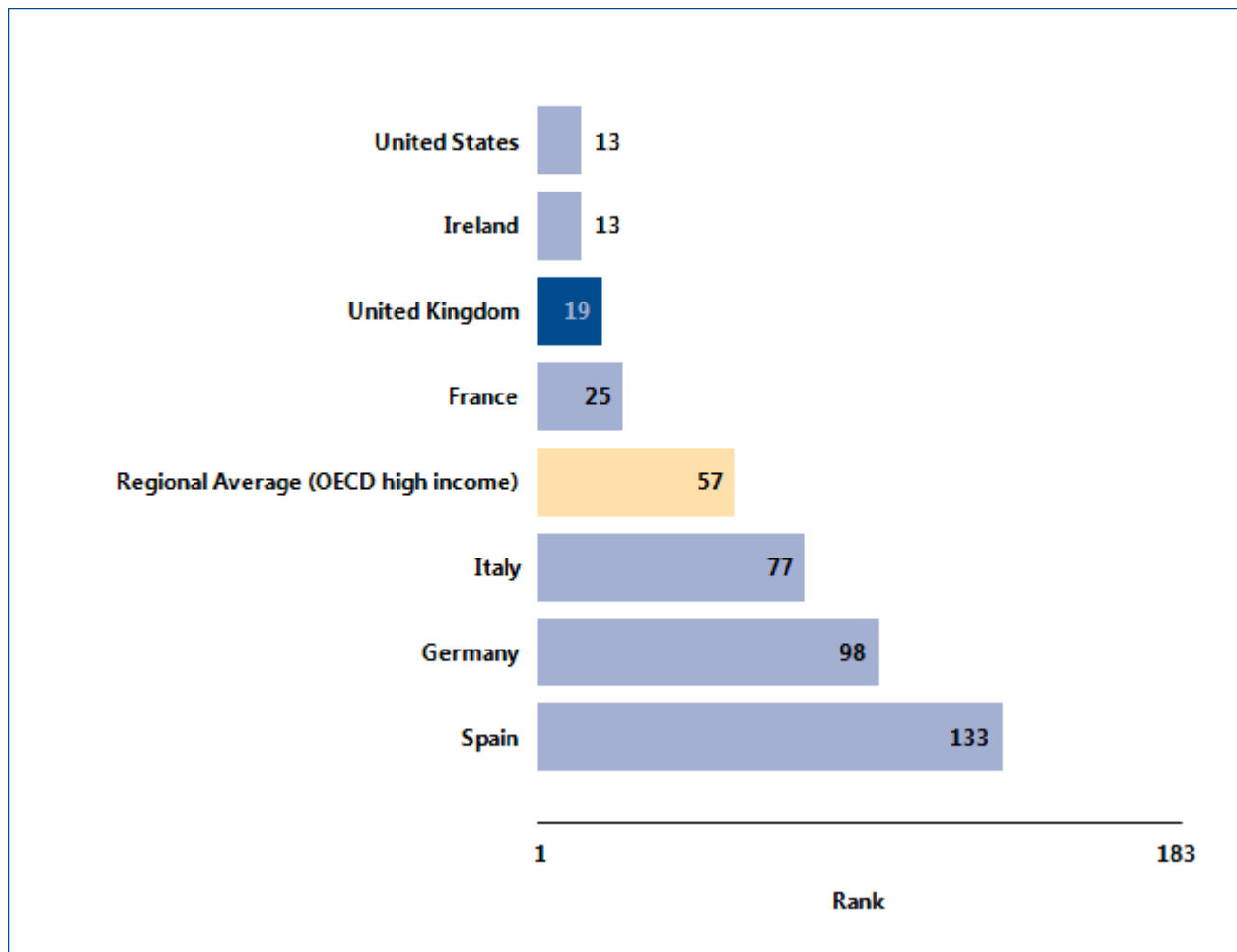
Source: *Doing Business* database.

## STARTING A BUSINESS

Globally, United Kingdom stands at 19 in the ranking of 183 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 United Kingdom to start a business.

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



Source: Doing Business database.

## STARTING A BUSINESS

### What are the changes over time?

While the most recent *Doing Business* data reflect how easy (or difficult) it is to start a business in United Kingdom today, data over time show which aspects of

the process have changed—and which have not (table 2.1). That can help identify where the potential for improvement is greatest.

Table 2.1 The ease of starting a business in United Kingdom over time  
By *Doing Business* report year

Indicator	DB2004	DB2005	DB2006	DB2007	DB2008	DB2009	DB2010	DB2011	DB2012
<b>Rank</b>	..	..	..	..	..	..	..	17	19
<b>Procedures (number)</b>	6	6	6	6	6	6	6	6	6
<b>Time (days)</b>	13	13	13	13	13	13	13	13	13
<b>Cost (% of income per capita)</b>	1.0	0.9	0.7	0.7	0.8	0.8	0.7	0.7	0.7
<b>Paid-in Min. Capital (% of income per capita)</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

*Note:* n.a. = not applicable (the economy was not included in *Doing Business* for that year). DB2012 rankings reflect changes to the methodology.

*Source:* *Doing Business* database.

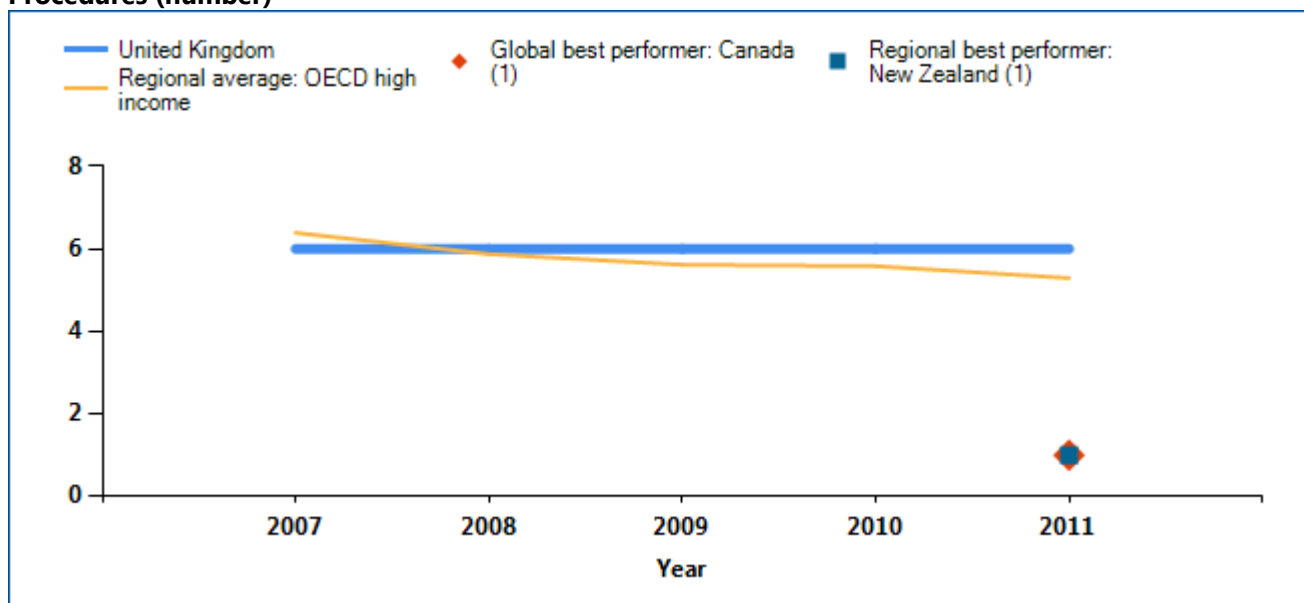
## STARTING A BUSINESS

Equally helpful may be the benchmarks provided by the economies that today have the best performance regionally or globally on the procedures, time, cost or paid-in minimum capital required to start a business (figure 2.3). These economies may provide a model for

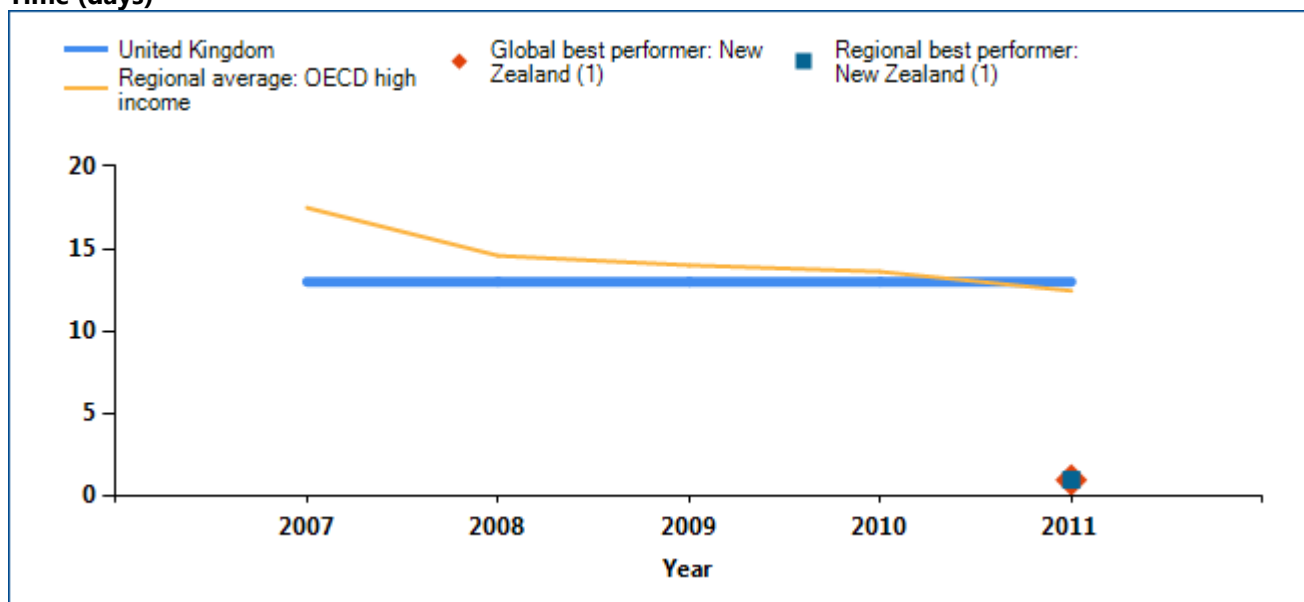
United Kingdom on ways to improve the ease of starting a business. And changes in regional averages can show where United Kingdom is keeping up—and where it is falling behind.

Figure 2.3 Has starting a business become easier over time?

### Procedures (number)



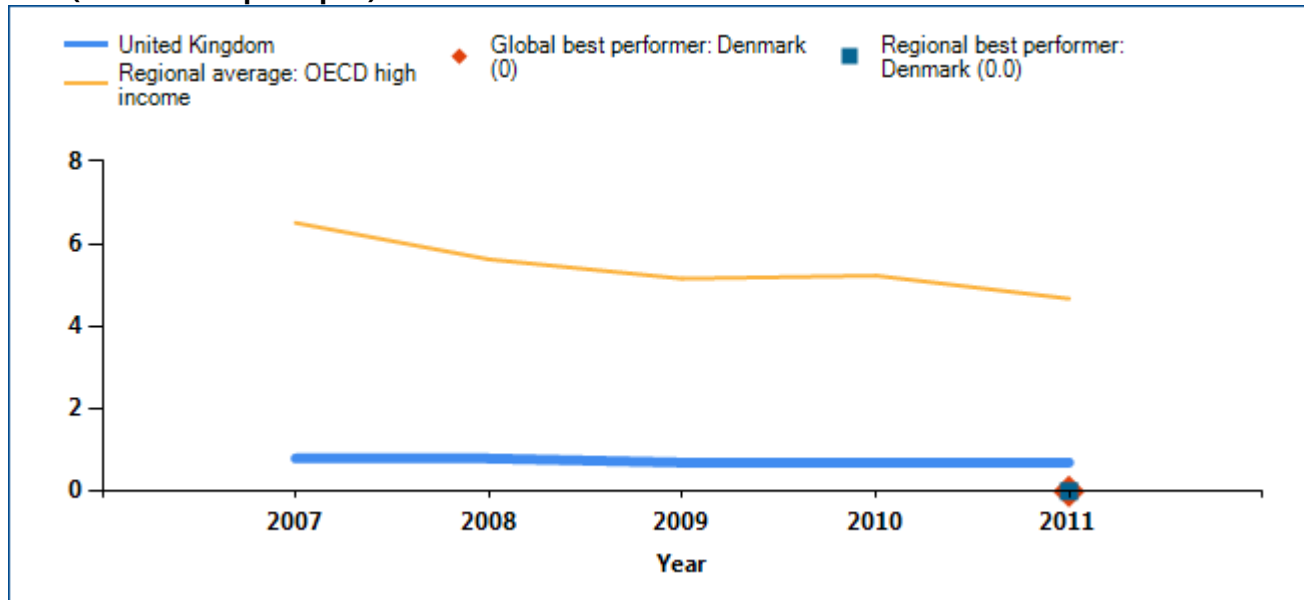
### Time (days)



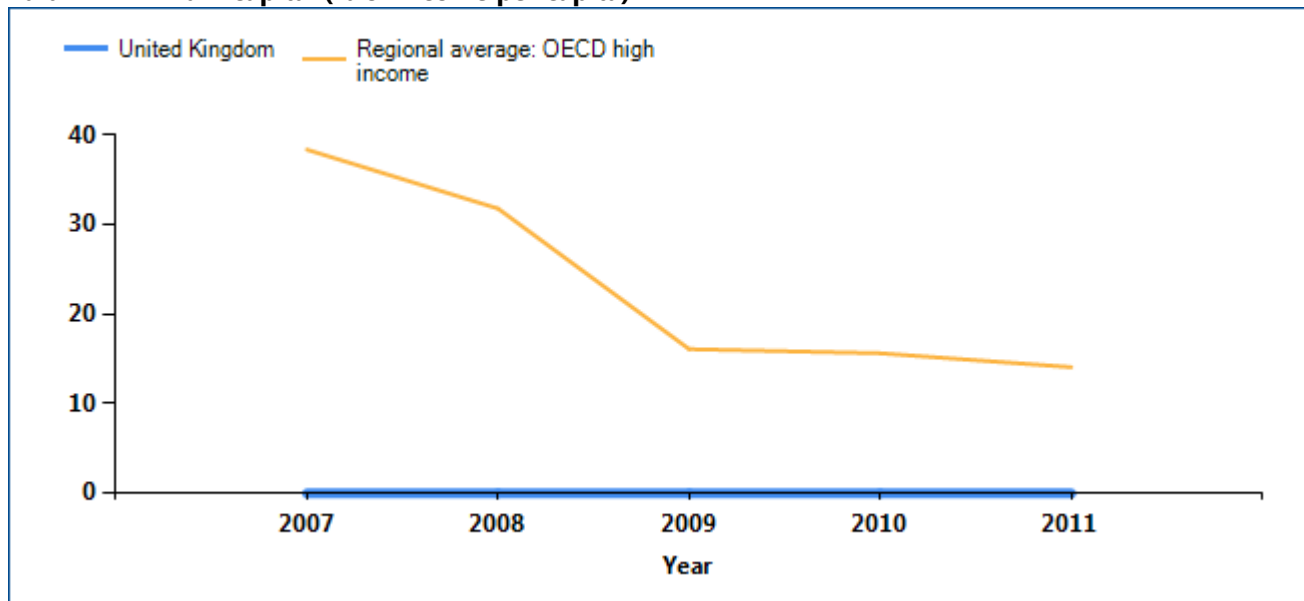


## STARTING A BUSINESS

### Cost (% of income per capita)



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



Note: The economy with the best performance regionally on each indicator, and the economy with the best performance globally, are included as benchmarks. In some cases 2 or more economies share the top regional or global ranking on an indicator. In the case of paid-in minimum capital, 82 economies globally and economies in OECD high income have no paid-in minimum capital.

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 United Kingdom (table 2.2)?

Table 2.2 How has United Kingdom made starting a business easier—or not?  
By *Doing Business* report year

DB Year	Reform
DB2012	No reform.
DB2011	No reform.
DB2010	No reform.
DB2009	No reform.

*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 United Kingdom 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

**City:** London

**Legal Form:** Private Limited Company (Ltd)

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

**Paid-in minimum capital (% of income per capita):** 0.0

Summary of procedures for starting a business in United Kingdom—and the time and cost

No.	Procedure	Time to complete	Cost to complete
1	<p><b>Check name for uniqueness at the company names index database on the web</b></p> <p>This can be done at <a href="http://wck2.companieshouse.gov.uk/b2366611298171d46dc7fbf07eee4e08/wcframe?name=accessCompanyInfo">http://wck2.companieshouse.gov.uk/b2366611298171d46dc7fbf07eee4e08/wcframe?name=accessCompanyInfo</a></p>	1 day	no charge
2	<p><b>Prepare memorandum and articles of association; fill out and sign Form IN01 (application for registration).</b></p> <p>Forms are also available free of charge from the Companies House website: <a href="http://www.companieshouse.gov.uk">www.companieshouse.gov.uk</a>. The company limited by shares that has adopted model articles without modification does not need to deliver a copy for registration. Form IN01 must be signed by all the subscribers. In addition to the memorandum and articles of association an application to register a company must contain the following information included on the form IN01 which should be lodged with the relevant Registrar of Companies (i.e. for England and Wales (or Wales), Scotland or Northern Ireland):</p> <ul style="list-style-type: none"> <li>(i) statement of compliance with all requirements of the Companies Act 2006;</li> <li>(ii) application for registration of the company covering: <ul style="list-style-type: none"> <li>- proposed name (see section 3.6 for more detailed information on choosing a company name);</li> <li>- country of registration office (e.g. England and Wales (or Wales), Scotland or Northern Ireland);</li> <li>- whether the liability of the members is to be limited and if so whether by shares or guarantee; and</li> </ul> </li> </ul>	1 day	<p>GBP 135 (approximately GBP 100 for solicitor services + GBP 35 for statutory book)</p>

No.	Procedure	Time to complete	Cost to complete
	<p>- whether public or private;</p> <p>(iii) if the application is delivered by agents acting on behalf of the subscribers, the agent's name and address, as was the case under the Companies Act 1985. In addition, in the event that the application is delivered by an agent for the subscribers, they must also confirm that the requirements of the Companies Act 2006 relating to the registration have been complied with;</p> <p>(iv) in the case of a company with a share capital the application must also include a statement of the capital and initial shareholdings, including the name and address of the subscriber. A service address may be used by the subscriber. This is a new requirement introduced by the Companies Act 2006;</p> <p>(v) a statement of the proposed officers, being the first director and company secretary (unless in the case of a private company there is no company secretary); and</p> <p>(vi) a statement of the intended registered office address.</p>		
3	<p><b>File incorporation documents with the Registrar of Companies at Companies House</b></p> <p>Fees for filing incorporation documents vary. The standard registration fee is GBP 14 for software and GBP 40 for paper. Same-day incorporation fees are GBP 30 for software and GBP 100 for paper.</p>	1 day	GBP 30
4	<p><b>Contact HMRC and register for VAT</b></p> <p>HMRC will contact the company to register it for corporate tax (tax on company profits).</p>	1 day	no charge
5	<p><b>* Contact HMRC and register for PAYE</b></p> <p>The company must separately contact the Inland Revenue to set up a contribution scheme for national insurance and pay-as-you-earn (PAYE) tax, which deducts income tax from employee wages or salary). The company will be issued with an activation PIN within around a week and will need to activate this within 28 days (or else request a new PIN).</p>	8 days (simultaneous with previous procedure)	no charge
6	<p><b>Sign up for employer's liability insurance</b></p> <p>The Employers' Liability (Compulsory Insurance) Act 1969 requires that proof of insurance be posted at the workplace. Since 1 October 2008 it is possible to display this information electronically, although a company that wishes to do this will need to ensure that its employees know how and where to find the certificate and have reasonable access to it.</p>	1 day	no charge

\* Takes place simultaneously with another procedure.

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 to obtain all the necessary approvals to build a simple commercial warehouse in the economy's largest business city, connect it to basic utilities and register the property so that it can be used as collateral or transferred to another entity.

The ranking on the ease of dealing with construction permits is the simple average of the percentile rankings on its component indicators: procedures, time and cost.

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.
- Is domestically owned and operated.
- Has 60 builders and other employees.

The warehouse:

- Is a new construction (there was no previous construction on the land).
- Has complete architectural and technical plans prepared by a licensed architect.

### 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

Completing all required notifications and receiving all necessary inspections

Obtaining utility connections for water, sewerage and a fixed telephone line

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

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

- Will be connected to water, sewerage (sewage system, septic tank or their equivalent) and a fixed telephone line. The connection to each utility network will be 10 meters (32 feet, 10 inches) 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).



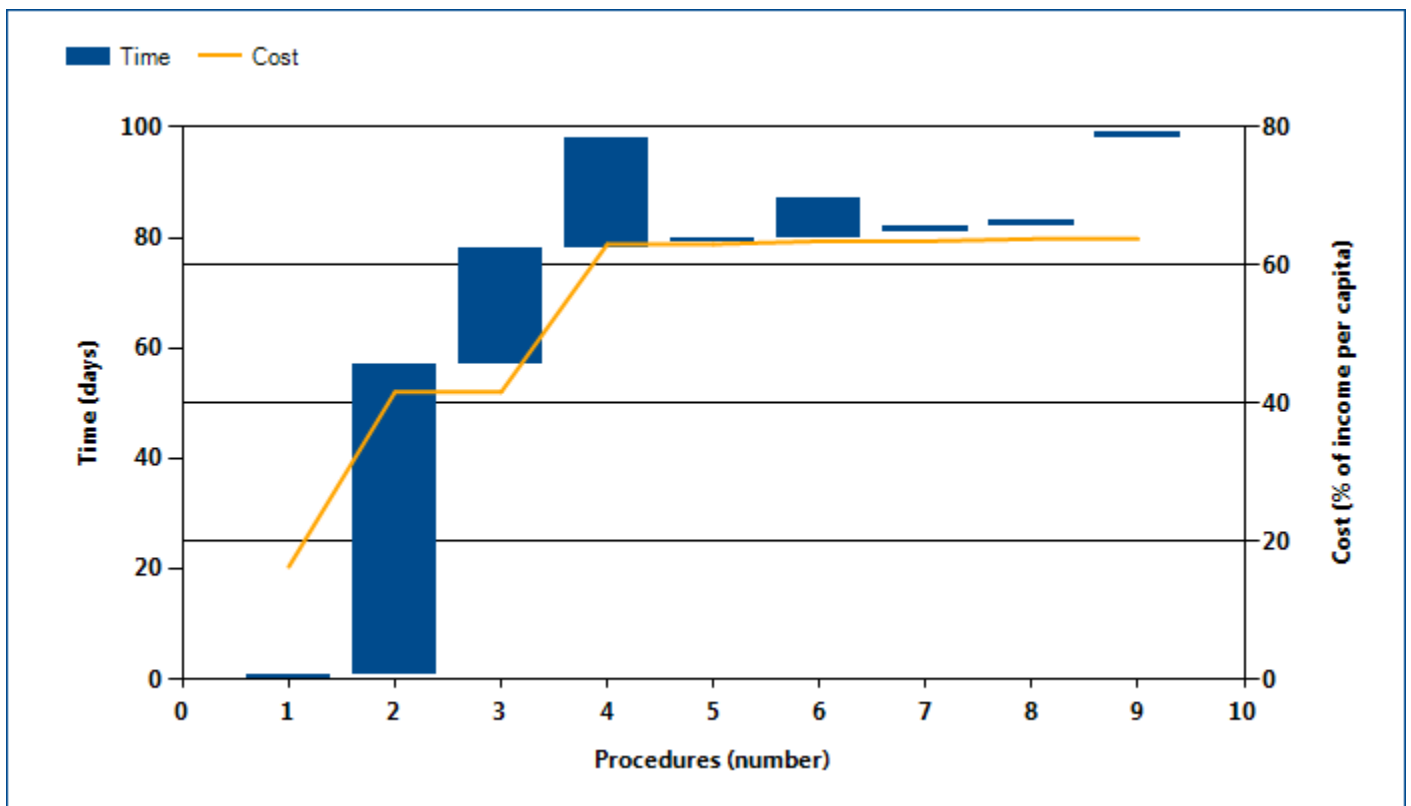
## DEALING WITH CONSTRUCTION PERMITS

### Where does the economy stand today?

What does it take to comply with the formalities to build a warehouse in United Kingdom? According to data collected by *Doing Business*, dealing with

construction permits there requires 9 procedures, takes 99 days and costs 63.8% of income per capita (figure 3.1).

Figure 3.1 What it takes to comply with formalities to build a warehouse in United Kingdom



Note: For details on the procedures reflected here, see the summary at the end of this chapter.

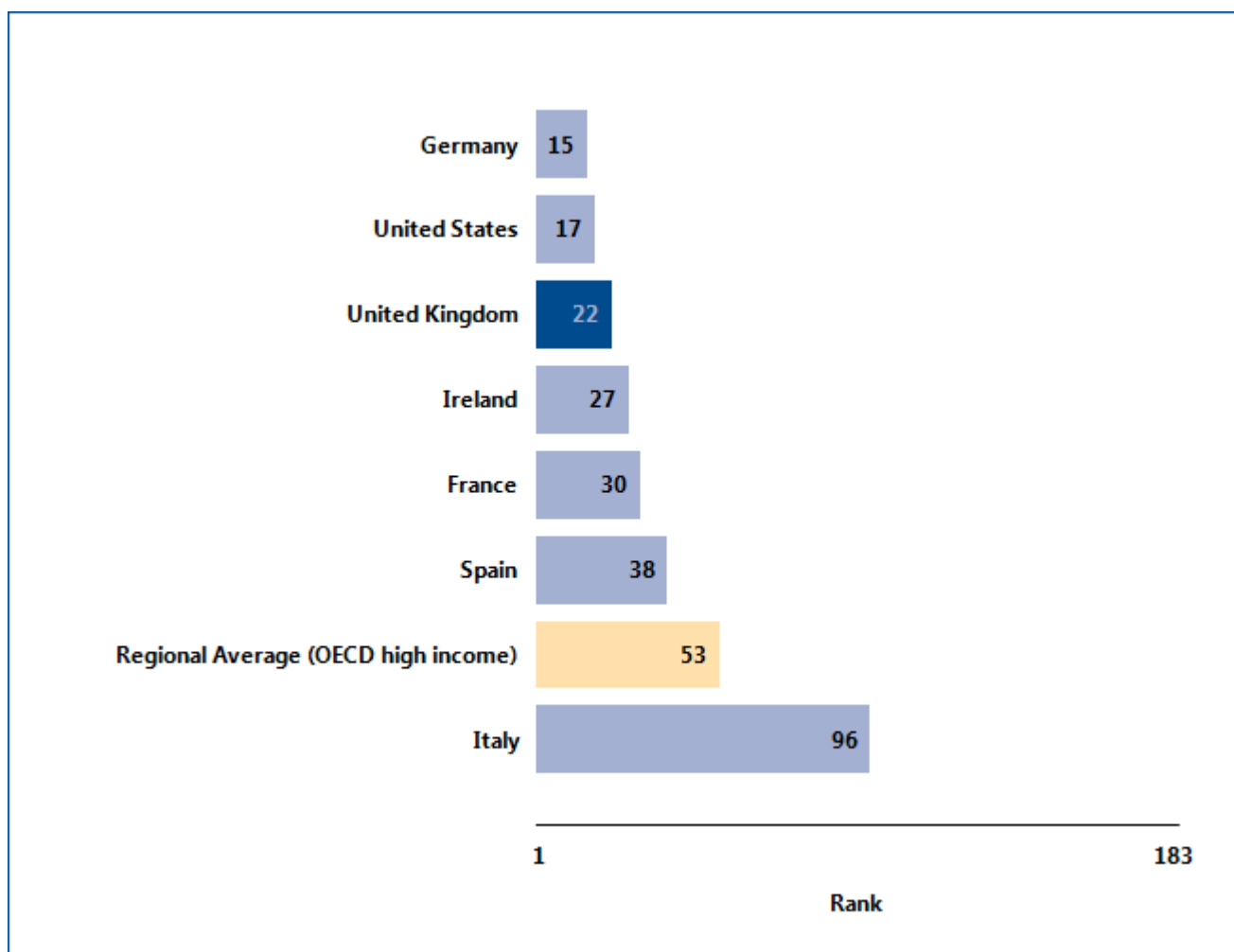
Source: *Doing Business* database.

## DEALING WITH CONSTRUCTION PERMITS

Globally, United Kingdom stands at 22 in the ranking of 183 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 United Kingdom to legally build a warehouse.

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



Source: *Doing Business* database.

## DEALING WITH CONSTRUCTION PERMITS

### What are the changes over time?

While the most recent *Doing Business* data reflect how easy (or difficult) it is to deal with construction permits in United Kingdom today, data over time show which aspects of the process have changed—and which have not (table 3.1). That can help identify where the potential for improvement is greatest.

Table 3.1 The ease of dealing with construction permits in United Kingdom over time  
By *Doing Business* report year

Indicator	DB2006	DB2007	DB2008	DB2009	DB2010	DB2011	DB2012
Rank	..	..	..	..	..	20	22
Procedures (number)	17	17	17	17	9	9	9
Time (days)	150	150	150	150	113	113	99
Cost (% of income per capita)	55.3	54.2	50.9	50.4	56.0	57.5	63.8

Note: n.a. = not applicable (the economy was not included in *Doing Business* for that year). DB2012 rankings reflect changes to the methodology. For more information on “no practice” marks, see the data notes for details.

Source: *Doing Business* database.

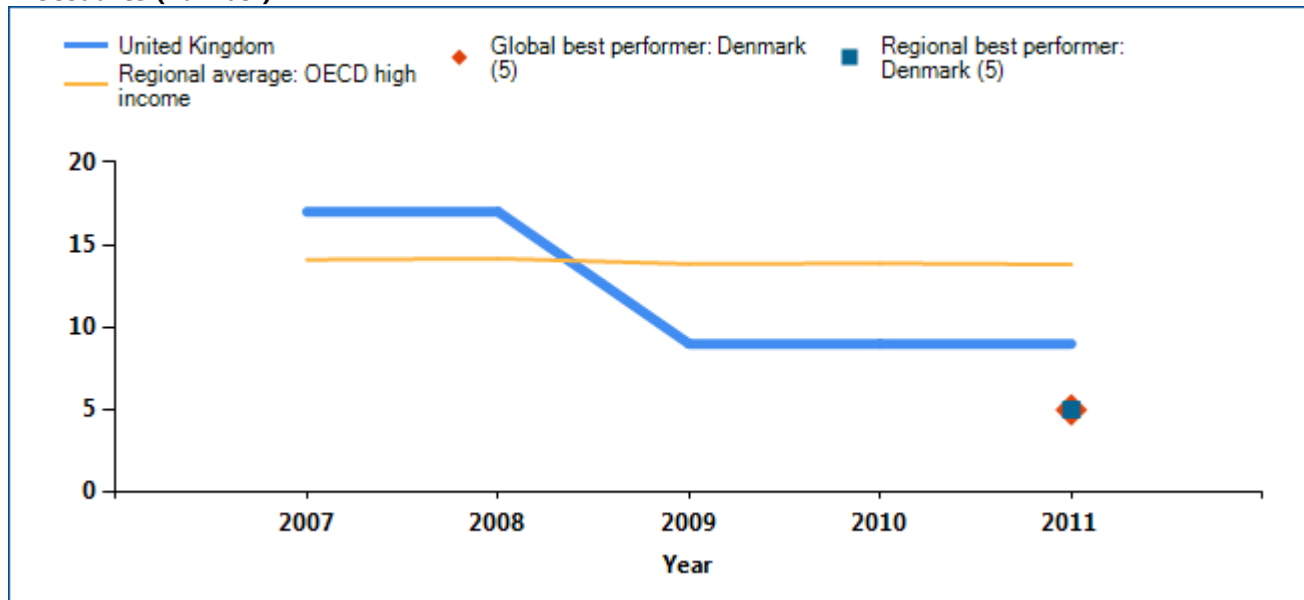
## DEALING WITH CONSTRUCTION PERMITS

Equally helpful may be the benchmarks provided by the economies that today have the best performance regionally or globally on the procedures, time or cost required to deal with construction permits (figure 3.3). These economies may provide a model for United

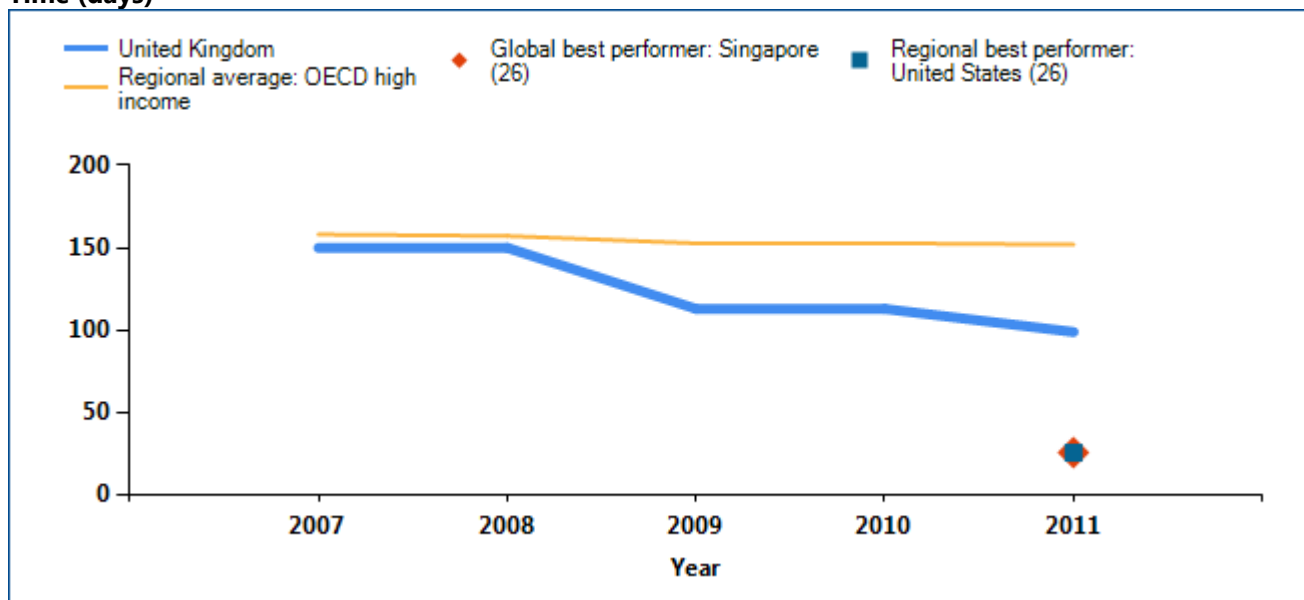
Kingdom on ways to improve the ease of dealing with construction permits. And changes in regional averages can show where United Kingdom is keeping up—and where it is falling behind.

Figure 3.3 Has dealing with construction permits become easier over time?

### Procedures (number)

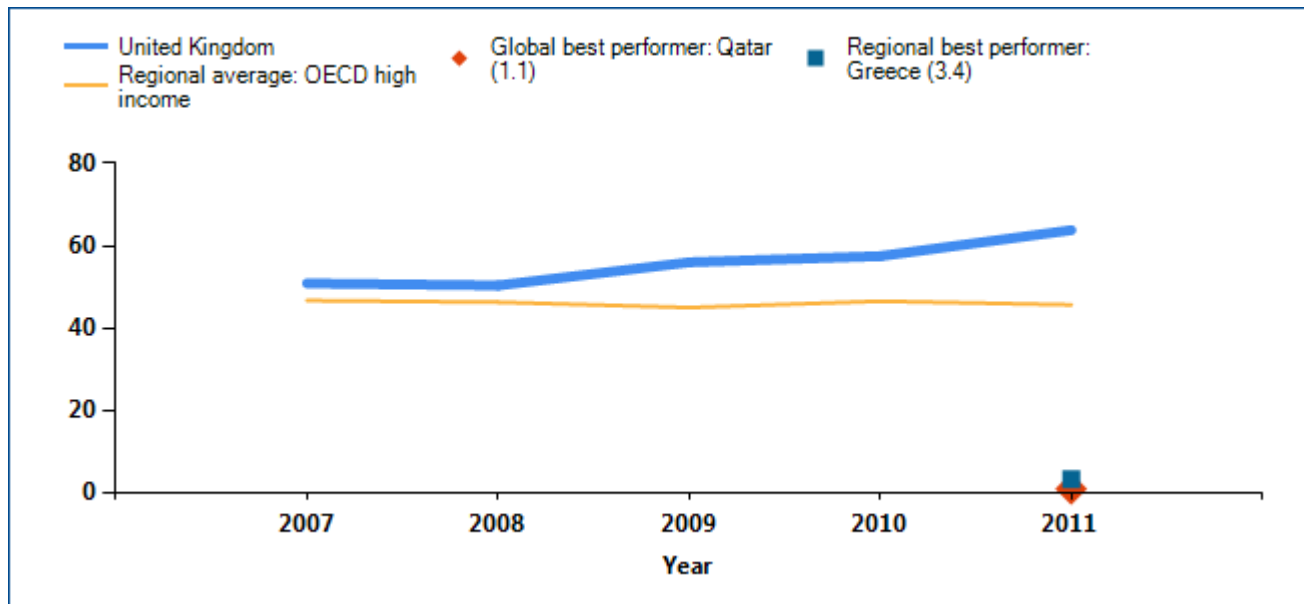


### Time (days)



## DEALING WITH CONSTRUCTION PERMITS

### Cost (% of income per capita)



*Note:* The economy with the best performance regionally on each indicator, and the economy with the best performance globally, are included as benchmarks. In some cases 2 or more economies share the top regional or global ranking on an indicator. In cases where no data are displayed above for the economy, this indicates that the economy has received a “no practice” mark; see the data notes for details.

*Source:* *Doing Business* database.

## DEALING WITH CONSTRUCTION PERMITS

Smart regulation ensures that standards are met while making compliance easy and accessible to all. Coherent and transparent rules, efficient processes and adequate allocation of resources are especially important in sectors where safety is at stake. Construction is one of them. In an effort to ensure

building safety while keeping compliance costs reasonable, governments around the world have worked on consolidating permitting requirements. What construction permitting reforms has *Doing Business* recorded in United Kingdom (table 3.2)?

Table 3.2 How has United Kingdom made dealing with construction permits easier—or not?

By *Doing Business* report year

DB Year	Reform
<b>DB2012</b>	The United Kingdom made dealing with construction permits easier by increasing efficiency in the issuance of planning permits.
<b>DB2011</b>	No reform.
<b>DB2010</b>	The process of dealing with construction permits was eased with wider use of approved inspectors, reducing the time and number of steps required.
<b>DB2009</b>	No reform.

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.

## DEALING WITH CONSTRUCTION PERMITS

### What are the details?

The indicators reported here for United Kingdom 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, 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

**City :** London

**Estimated Warehouse Value :** GBP 929,000

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

[Summary of procedures for dealing with construction permits in United Kingdom —and the time and cost](#)

No.	Procedure	Time to complete	Cost to complete
1	<p><b>Hire an Approved Inspector</b></p> <p>BuildCo enters into contract with an Approved Inspector. Approved Inspectors (AI) are companies or individuals authorized under the Building Act 1984 to carry out building control work in England and Wales. AI will take on responsibility for plan checking and inspection of the building work. Once the contract is signed and terms of reference are outlined, the builder and the approved inspector jointly notify the local authority of their intention to build, what is also called an initial notice. Once this notice has been accepted by the local authority the responsibility for plan checking and site inspection will be formally placed on the AI.</p> <p>An Approved Inspector will:</p> <ul style="list-style-type: none"> <li>- advise BuildCo on how the Building Regulations apply to its work (to a degree)</li> <li>- check plans for compliance with building regulations</li> <li>- issue a plans certificate (if requested)</li> <li>- inspect the work as it progresses</li> <li>- issue a final completion certificate (if requested).</li> </ul> <p>A list of approved inspectors can be viewed at the Association of Corporate Approved Inspectors. The AIs are licensed by this independent board for every 5 years. They are also backed by insurance while the public building control authorities do not have that. AIs have become an important player in the market in the past few years. According to the study conducted by the Department for Communities and Local Government in February 2008, AIs have 64% of commercial market.</p>	1 day	GBP 3,896

No.	Procedure	Time to complete	Cost to complete
	<p>By hiring AIs companies eliminate need of dealing with different external companies. It also eliminates need for companies deal with Building Control Department of Local Authority. However, the Local Authority is still responsible for the enforcement of the Regulations. If the AI discovers contraventions of the Building Regulations, the project must revert to the Local Authority for the purposes of prosecuting any offence. Unsurprisingly, the number of contraventions notified to LABC by AI's is extremely low. Additionally, Local Authorities still have the power to cancel Initial Notices under certain circumstances e.g. the works have not commenced with the prescribed period (currently 3 years from the date of deposit).</p> <p>The building control process was deregulated under the Building Act 1984, and became an alternative to formal process of building control. Currently, there are 60 AIs that are recognized in England and Wales, accounting for about 20% of all building control work. The other decisive factor for a company is time. AIs would provide for more expeditious time-limits as a whole. Plan approval could be done by them in 2-3 weeks, whereas the Local Authority would take 6 to 8 weeks, according to statutory time-limits.</p> <p>BuildCo would most likely choose the AI given that it is not a one time project and would be commercially viable. In addition to that AI ensures timely advice upon the request of client. Approved Inspectors usually operate nationally and bring consistency of interpretation of the Building Regulations.</p> <p>AI can provide input on the design aspects of Building Regulations to BuildCo when it applies for the planning permission.</p> <p>Once the planning permission (consent) is obtained from Planning Department in Local Authority, the AI sends a notice to the Building Control Department of Local Authority that it would take the responsibility over the building control process. In return within 5 days it will receive a notice of acknowledgement that is not conditional to beginning the works.</p> <p>Construction works may begin as soon as the notice has been filed to the Local Authority. AI, for BuildCo's case, would conduct at least 8-9 inspections at various stages of construction and risk based factors.</p> <p>The cost for the services of AI is comprised of the several elements and is mostly charge on hourly basis. The below estimate is a sample of what an average cost breakdown by an AI looks like:                      Plan checking GBP 1280; Inspections (9 sessions x 2h x GBP 80) GBP 1440; Structural checking GBP 160; Consultations GBP 40; Electronic/Internet drawings GBP 75; Meetings GBP 300; Administrative GBP 40; Inspections petrol fee (40 miles x GBP 3.6) GBP 144; Contingency GBP 417. Total: GBP 3,896.</p>		
2	<p><b>Obtain planning permission</b></p> <p>BuildCo. needs to obtain planning permission from the local planning</p>	56 days	GBP 6,030



No.	Procedure	Time to complete	Cost to complete
	<p>authority (in London, the decision-maker is the relevant London Borough where the site is located. There are 33 Boroughs in Greater London).</p> <p>The planning application must be accompanied by a plan of the site, drawings showing the proposed development, and any other information the local authority considers necessary. The local authority publishes a list with the information it considers necessary on its website, so that applicants know what is asked of them. The relevant legislative framework is the Development Management Procedure Order (2010) - see section on Reform Update. If BuildCo is submitting a paper application, it must also provide at least 3 copies of the accompanying documents. Alternatively, BuildCo can apply online via the Planning Portal, which accepts electronic planning applications on behalf of all London Boroughs, using a standard application form that was introduced across England in 2008. If it applies electronically, no further copies are required. A fee is charged for the planning application, based on the amount of floorspace that would be created by the scheme.</p> <p>The size of BuildCo's proposed development falls below the threshold for a 'major application', which means that the time frame for a decision is 8 weeks rather than 13. During this period, the local planning authority will publicise the application in the surrounding area, and consult a number of statutory consultees - bodies with a specialist responsibility for e.g. nature conservation, heritage protection, highways - who may wish to comment on the acceptability of the proposal from their perspective. The local authority takes these views, and the views of any local people who wish to comment on the application, this will be taken into account to grant or refuse permission. If no decision is made within 8 weeks, or if the authority decides to refuse permission, the applicant is entitled to appeal to the Secretary of State.</p> <p>Additionally, in April 2010, the Government introduced new 'permitted development' rights for businesses who want to extend their existing premises. This means that minor extensions, which would previously have required planning permission, may proceed without it, thereby saving time for the business owners and enabling local planning authority staff to concentrate on larger and more important projects.</p>		
3	<p><b>Submit application to local Fire Safety Office and obtain approval</b></p> <p>Approved Inspector submits respective elements of the drawing and plans pertinent to fire safety to a local Fire Safety Office, as part of the formal plan vetting process in order that they can assure themselves that the building is compliant with the latest fire safety Legislation and that the appropriate fire and life safety systems are in place. That can be sent in an envelope. The Fire Office responds by law within 15 business days (21 calendar days) and sends its comments and approval. This is done in the process of building regulation plan approval, and recorded as independent procedure since AI interacts with Fire Officer.</p> <p>Upon the completion of the building BuildCo before used to obtain a</p>	21 days	no charge

No.	Procedure	Time to complete	Cost to complete
	<p>Fire Certificate from Fire Safety Office. The Fire Certificate is no longer required following the reforms in the Regulatory Reform (Fire Safety) Order 2005 (FSO 2005) which came into effect in October 2006, and replaced over 70 pieces of fire safety laws.</p> <p>The FSO applies to all non-domestic premises in England and Wales, including the common parts of blocks of flats and houses in multiple occupation (HMOs). The FSO 2005 is a tool for self-regulation of businesses for the fire risk of the premises.</p> <p>Under the FSO, the responsible person must carry out a fire safety risk assessment and implement and maintain a fire management plan. The companies have to carry out a risk assessment by completing a 5-step fire risk assessment survey online: (<a href="http://www.fire.gov.uk/Workplace+safety/WhatTheLawRequires/">http://www.fire.gov.uk/Workplace+safety/WhatTheLawRequires/</a>) According to this survey- FSO 2005 the warehouse of BuildCo would be classified as medium risk object. Since there will be more than 5 people occupying/working in the building, BuildCo would need to file the copy of completed FSO 2005 to the local Fire Safety Office. BuildCo does not need to wait for the approval or any other consent before using the premises. This risk is with the building operators they are deemed liable for any problems.</p> <p>Fire Safety Office may conduct an inspection under risk based scheme: whether there was a similar track record of companies with fire, or neighbours complain, etc. Small scale and standard objects would be seldom inspected. Also, given that this would be a new building it would be assumed by the Fire Safety Office that the latest techniques of fire safety prevention would have been considered during the planning process.</p>		
4	<p><b>Obtaining water and sewerage connection</b></p> <p>BuildCo must file a letter of intent and must buy all materials for the connection itself.</p>	20 days	GBP 5,100
5	<p><b>* Receive inspection from the water provider</b></p>	1 day	no charge
6	<p><b>* Obtaining phone connection</b></p> <p>BuildCo must file a letter of intent and must buy all materials for the connection itself. According to British Telecom the largest service provider in the UK, a new line is normally installed within four working days if the object is in a digital exchange area. If it is in one of the few exchange areas which have not yet been fully upgraded, this may extend to six working days. In practice, however the connection may take up to 2 months even for areas with existing telecom communications.</p> <p>The updated fee schedule for obtaining a new fixed telephone line for businesses from British Telecom costs GBP 106.37.</p>	7 days	GBP 106

No.	Procedure	Time to complete	Cost to complete
7	<p><b>* Receive inspection from the telecom provider</b></p>	1 day	no charge
8	<p><b>* Request and receive Energy Performance Certificate from Accredite Energy Assessor</b></p> <p>Following the nationwide implementation of the "Energy Performance of Buildings Directive" adopted, on 16th December 2002, as of 4 January 2009 all commercial buildings whenever built, rented or sold require an Energy Performance Certificate. The certificate records how energy efficient a property is as a building and provides A_G ratings. It is the responsibility of the builder/constructor to give the Energy Performance Certificate and Recommendations Report to the Purchaser on physical completion of the building and notify the local authority Building Control officers or approved inspectors, who will not issue a Certificate of Completion until the EPC is provided.</p> <p>They are produced using standard methods and assumptions about energy usage so that the energy efficiency of one building can easily be compared with another building of the same type. This allows prospective buyers, tenants, owners, occupiers and purchasers to see information on the energy efficiency and carbon emissions from their building so they can consider energy efficiency and fuel costs as part of their investment.</p> <p>An EPC is always accompanied by a recommendation report that lists cost effective and other measures (such as low and zero carbon generating systems) to improve the energy rating. A rating is also given showing what could be achieved if all the recommendations were implemented.</p> <p>The fee for the EPC may vary between GBP 55 to GBP 100.</p>	1 day	GBP 78
9	<p><b>File completion certificate to Building Control Department of Local Authority</b></p> <p>Once the building is completed BuildCo would notify AI about the completion. AI completes the final inspection within 24 hours and prepares the certificate of completion. AI will file copy of completion certificate to Building Control Department of Local Authority within 5 days after completion of final inspection. LABC then files the documents and sends an acknowledgement of receipt to BuildCo/AI. Although, legally not required, Building Control Department, in practice may conduct an inspection. LABC is not required to issue an approval of a Completion Certificate issued by an AI, however, failure by BuildCo to obtain one may prove to be problematic.</p>	1 day	no charge

\* Takes place simultaneously with another procedure.

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 on the ease of getting electricity is the simple average of the percentile rankings on its component indicators: procedures, time and cost. To make the data comparable across economies, several assumptions are used.

The warehouse:

- Is located in the economy's largest business city, in an area where other warehouses are located.
- Is not in a special economic zone where the connection would be eligible for subsidization or faster service.
- Has road access. The connection works involve the crossing of a road or roads but are carried out on public land.
- Is a new construction being connected to electricity for the first time.
- Has 2 stories, both above ground, with a total surface of about 1,300.6 square meters (14,000 square feet), and is built on a plot of 929 square meters (10,000 square feet).

The electricity connection:

- 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 150 meters long.
- Is to either the low-voltage or the medium-voltage distribution network and either overhead or underground, whichever is more common in the economy and in the area where the warehouse is located. The length of any connection in the customer's private domain is negligible.
- Involves installing one electricity meter. The monthly electricity consumption will be 0.07 gigawatt-hour (GWh). The internal electrical wiring has been completed.

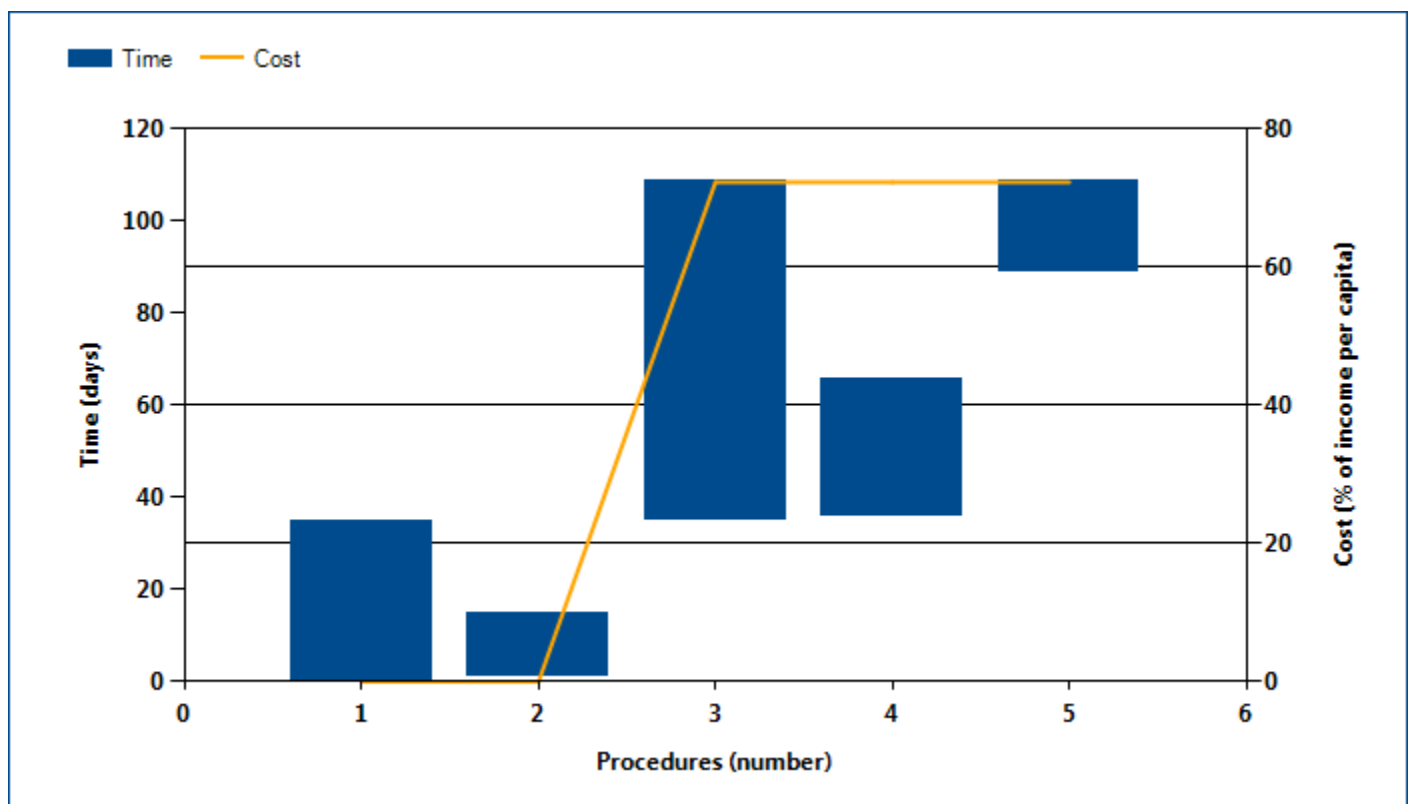
## GETTING ELECTRICITY

### Where does the economy stand today?

What does it take to obtain a new electricity connection in United Kingdom? According to data collected by *Doing Business*, getting electricity there

requires 5 procedures, takes 109 days and costs 72.3% of income per capita (figure 4.1).

Figure 4.1 What it takes to obtain an electricity connection in United Kingdom



Note: For details on the procedures reflected here, see the summary at the end of this chapter.

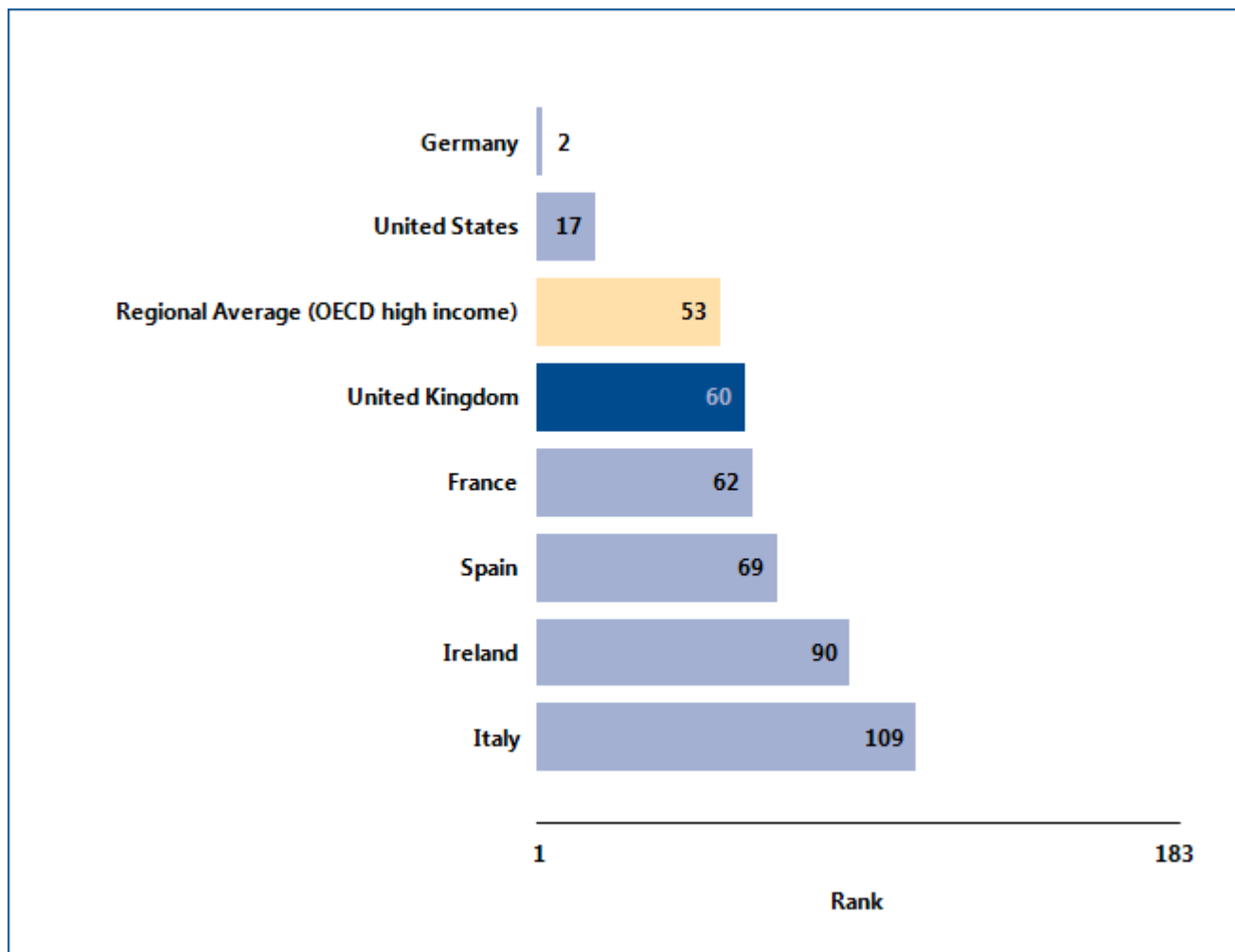
Source: *Doing Business* database.

### GETTING ELECTRICITY

Globally, United Kingdom stands at 60 in the ranking of 183 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 United Kingdom to connect a warehouse to electricity.

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



Source: Doing Business database.

## GETTING ELECTRICITY

Even more helpful than rankings for other economies may be the indicators underlying those rankings (table 4.1). If obtaining a new electricity connection requires fewer procedures, less time or less cost in other

economies, the practices of their utilities may provide a model for United Kingdom on ways to improve the ease of getting electricity. Regional and global averages on these indicators may provide useful benchmarks.

Table 4.1 The ease of getting electricity in United Kingdom and comparator economies

Indicator	United Kingdom	France	Germany	Ireland	Italy	Spain	United States	OECD high income average	Global average
<b>Rank</b>	60	62	2	90	109	69	17	53	..
<b>Procedures (number)</b>	5	5	3	5	5	5	4	5	5
<b>Time (days)</b>	109	123	17	205	192	101	68	103	111
<b>Cost (% of income per capita)</b>	72.3	40.2	49.9	91.1	327.2	231.9	16.8	92.8	1,942.3

Source: Doing Business database.

## GETTING ELECTRICITY

### What are the details?

The indicators reported here for United Kingdom 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

**City:** London

**Name of Utility:** UK Power Networks

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.

#### Summary of procedures for getting electricity in United Kingdom—and the time and cost

No.	Procedure	Time to complete	Cost to complete
1	<p><b>Submit an application to UK Power Networks for an electricity connection and await a quotation and connection offer</b></p> <p>The application can be submitted online, in person or by mail. One has to attach with the application: completed initial enquiry form if initial enquiry was made, load details and detailed site drawings.</p> <p>At this stage the applicant can choose either UK Power Networks or a qualified contractor to design a part of the network extension while only UK Power Networks can do the design of certain parts of the network extension and design of upstream reinforcement works. If the design is carried out by a qualified contractor and not by UK Power Networks there are additional procedures for approval of the designs. Majority of the clients choose UK Power Networks to complete all parts of the design.</p> <p>UK Power Networks will do the assessment and design which will result in the budget estimate as well as the Construction and Adoption Agreement which will include the formal offer to connect.</p> <p>Since September 2008 UK Power Networks has not charged assessment and design charges in advance but they have been included in the final connection payment as an overhead cost. This follows a consultation by the UK energy regulator Ofgem. Ofgem is currently considering new regulation concerning assessment and design charges. A budget estimate and connection offer is free of charge.</p> <p>By law all of the quotations should be provided as soon as reasonably</p>	35 calendar days	no charge



No.	Procedure	Time to complete	Cost to complete
	<p>practicable with an absolute backstop of 90 days – this is a requirement of Standard Licence Condition 12 of the Electricity Distribution Licence.</p>		
2	<p><b>* Await and obtain an external inspection carried out by UK Power Networks</b></p> <p>An external inspection is necessary for preparation of the technical study and an estimate. During the inspection the utility ensures that the location is OK for their equipment (service cut-out/substation etc). It is recommended that somebody from the applicant's party is present during the inspection.</p>	14 calendar days	no charge
3	<p><b>Await completion of the external connection works carried out by UK Power Networks</b></p> <p>Some of the external connection works which are contestable (not all works are contestable) can be performed by an approved contractor or by UK Power Networks. If contestable works are performed by a subcontractor additional procedures associated with inspections and testing of the contractor's installation by UK Power Networks are required. In the majority of cases customers choose UK Power Networks to carry out all the external connection works.</p> <p>Given the case assumptions the most common arrangement would be either 1) 200 amp TP &amp; N (three phases and neutral) service off a passing LV main or 2) installation of a substation.</p> <p>The utility obtains the excavation permit at the local authority or Highways Agency or specific body such as TFL in London.</p> <p>All material for the connection is available 50% of the time. Customer has to buy material for the external connection works only for wiring beyond the meter to the warehouse and the cable ducting for laying on their private land to the boundary with the highway.</p> <p>If the customer rating is sufficiently high no security deposit will be needed.</p>	74 calendar days	GBP 17,235.0
4	<p><b>* Await issuance of a supply number by UK Power Networks and appoint an electricity supplier</b></p> <p>UK Power Networks Energy has to issue supply Numbers (or MPAN's) before the connection works are completed so that arrangements can be made with an electricity supplier and meter operator.</p> <p>As a supplier, UK Power Networks (the customer may not choose UK Power NetworksE to be their electricity supplier, there is a competitive market) needs to be appointed by the customer on receipt of the MPAN (metering point administration number) from the network operator. The supplier will register the MPAN.</p> <p>UK Power Networks will co-ordinate metering, energisation and application of energy rates from the date of the connection be made live.</p>	30 calendar days	no charge

No.	Procedure	Time to complete	Cost to complete
	<p>The supply contract start date is aligned with connection energized date. The supplier will need to receive an estimate, or could work with the applicant to develop a load profile to be able to provide a supply contract.</p>		
<p>5</p>	<p><b>* Appoint a meter operator, await installation of a meter and internal wiring inspection by UK Power Networks and electricity starts flowing</b></p> <p>The metering industry in the UK is an open competitive market, and the applicant can choose their own Meter Operator. The applicant has to sign a contract with the chosen meter operator. The inspection of the internal wiring is done when a meter is installed. Inspection of internal wiring is done through a visual inspection by a meter operator and an installation certificate is provided to the electricity provider. It is a good practice that somebody is present during the installation of the meter/internal wiring inspection. In the UK, the DNO only undertakes the work up to the cut-out. All internal works are the responsibility of the customer who must appoint a qualified electrician. All internal works must be carried out to BS 7671 standard and the Meter Operator (who works on behalf of the supplier) will need to see a BS 7671 certificate before the meter will be attached and the connection energised. There is no specific charge for the meter, but the customer will be required to appoint a meter operator and subject to measurement class there will be the annual operations and maintenance charge.</p> <p>The metering must be installed before a supply of electricity can be provided.</p> <p>The electricity can start flowing on the same day the external connection works are finished providing the supplier and the metering operator have sufficient notice.</p>	<p>20 calendar days</p>	<p>no charge</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 on the ease of registering property is the simple average of the percentile rankings on its component indicators: procedures, time and cost.

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.
- Are located in the periurban area of the economy's largest business city.
- Have 50 employees each, all of whom are nationals.
- Perform general commercial activities.

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.
- Is located in a periurban commercial zone, and no rezoning is required.

### 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

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

Procedure 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

- Has no mortgages attached and 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. The property will be transferred in its entirety.

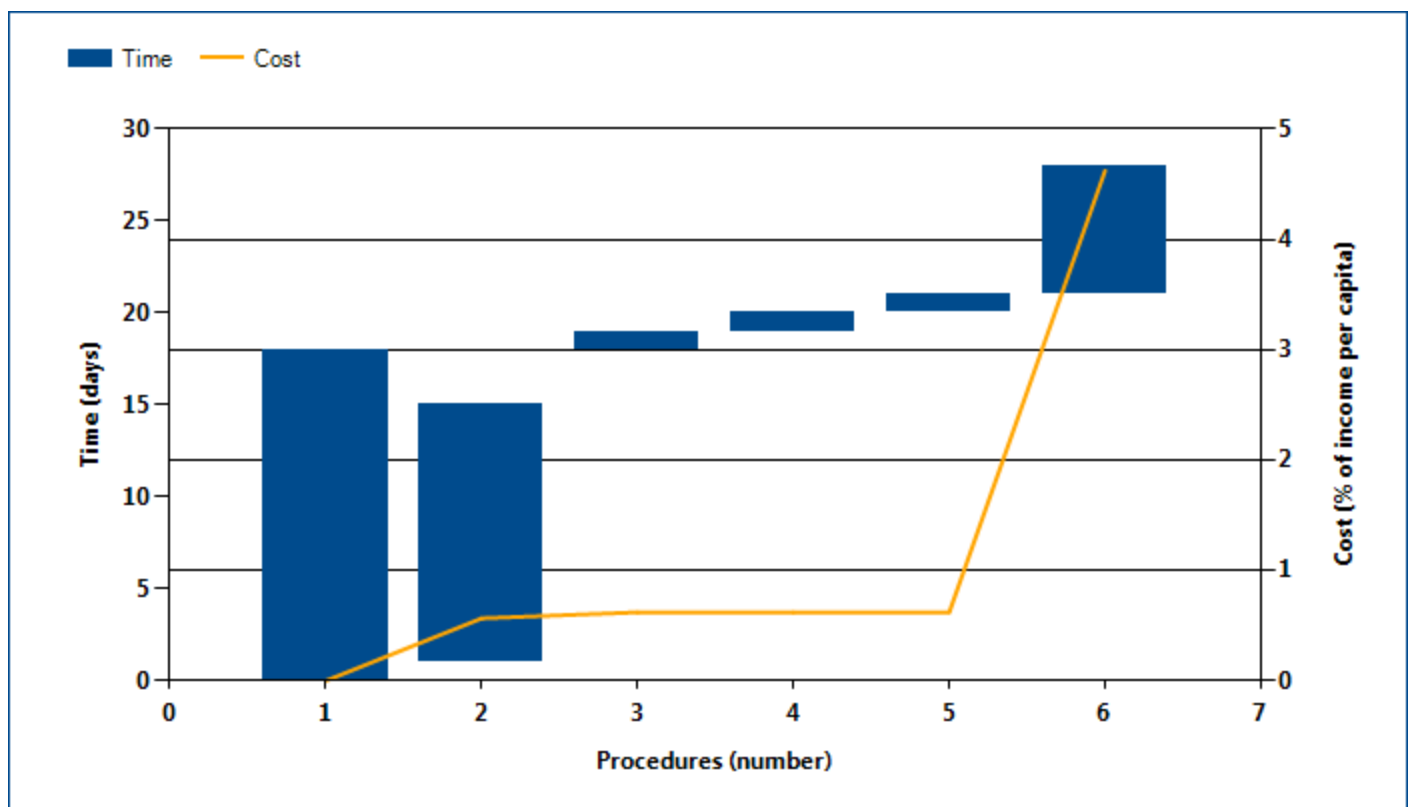
## REGISTERING PROPERTY

### Where does the economy stand today?

What does it take to complete a property transfer in United Kingdom? According to data collected by *Doing Business*, registering property there requires 6

procedures, takes 29 days and costs 4.7% of the property value (figure 5.1).

Figure 5.1 What it takes to register property in United Kingdom



Note: For details on the procedures reflected here, see the summary at the end of this chapter.

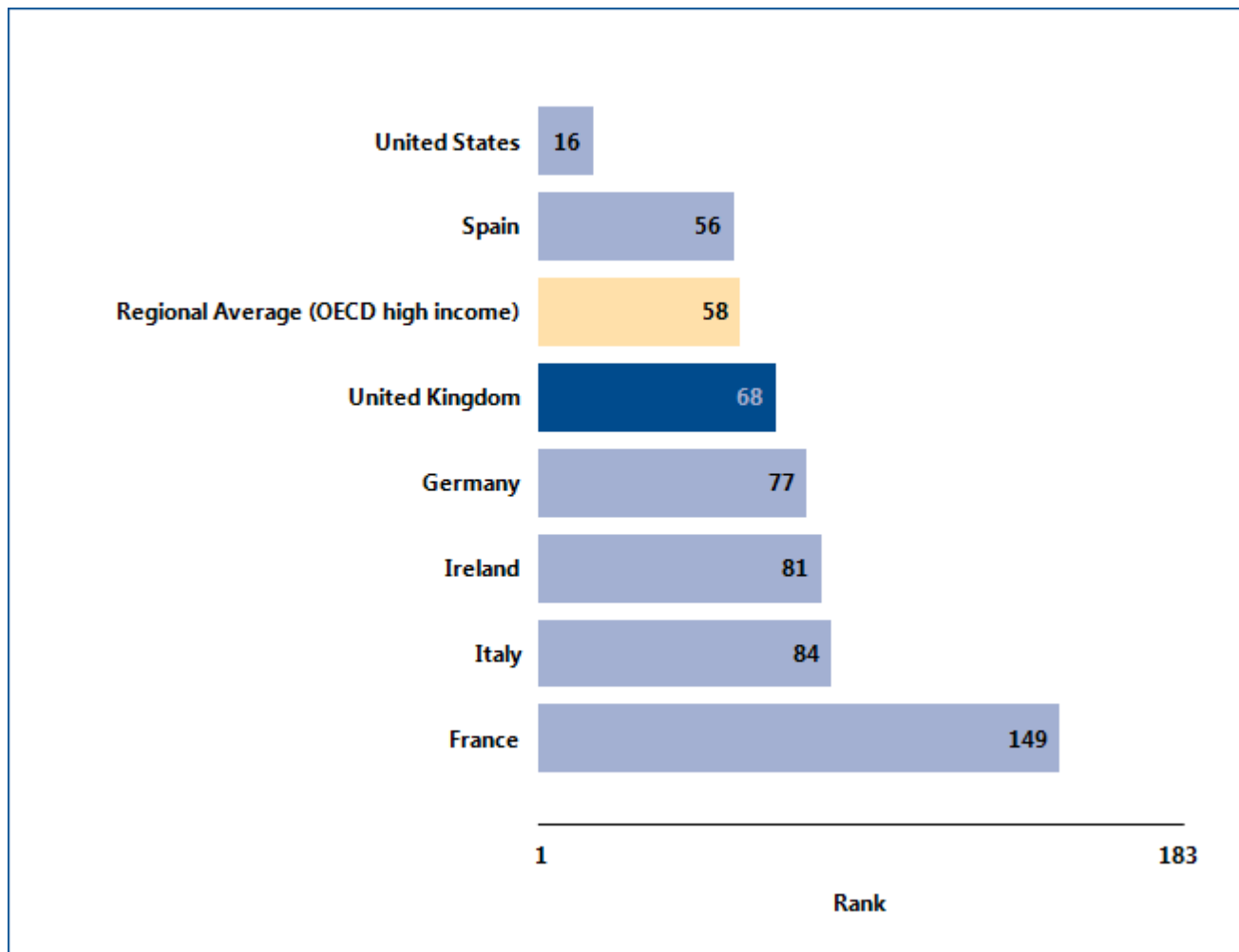
Source: *Doing Business* database.

## REGISTERING PROPERTY

Globally, United Kingdom stands at 68 in the ranking of 183 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 United Kingdom to transfer property.

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



Source: Doing Business database.

## REGISTERING PROPERTY

### What are the changes over time?

While the most recent *Doing Business* data reflect how easy (or difficult) it is to register property in United Kingdom today, data over time show which aspects of

the process have changed—and which have not (table 5.1). That can help identify where the potential for improvement is greatest.

Table 5.1 The ease of registering property in United Kingdom over time  
By *Doing Business* report year

Indicator	DB2005	DB2006	DB2007	DB2008	DB2009	DB2010	DB2011	DB2012
<b>Rank</b>	..	..	..	..	..	..	62	68
<b>Procedures (number)</b>	6	6	6	6	6	6	6	6
<b>Time (days)</b>	42	42	42	42	42	29	29	29
<b>Cost (% of property value)</b>	4.9	4.8	4.8	4.8	4.7	4.7	4.7	4.7

Note: n.a. = not applicable (the economy was not included in *Doing Business* for that year). DB2012 rankings reflect changes to the methodology. For more information on “no practice” marks, see the data notes for details.

Source: *Doing Business* database.

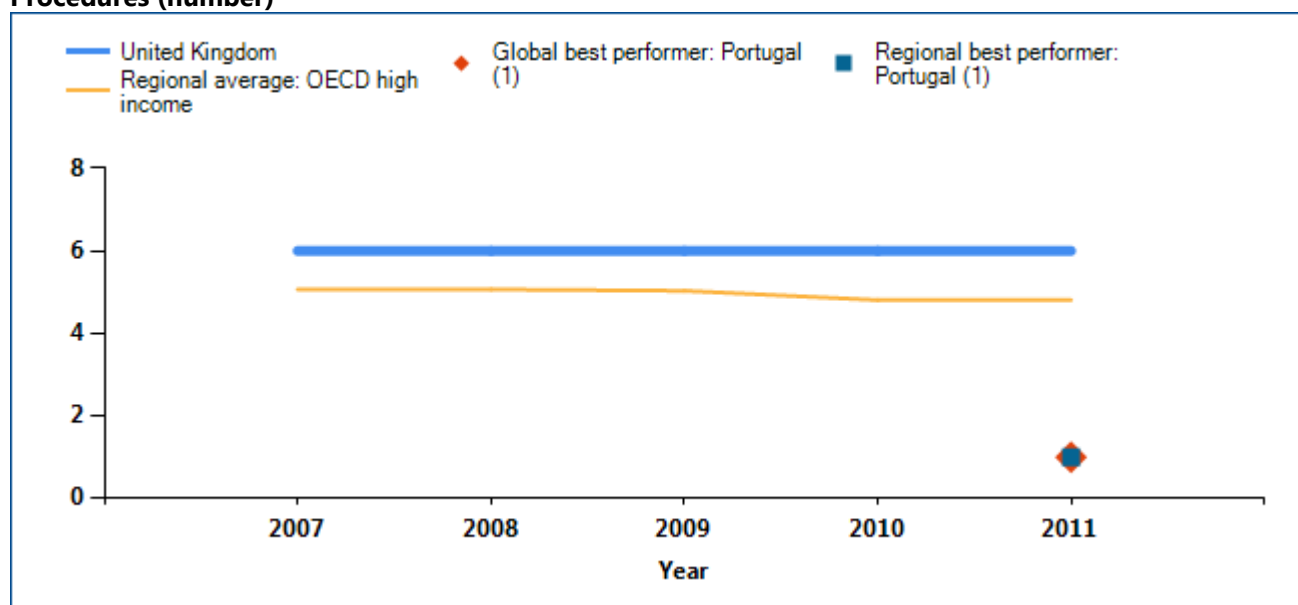
## REGISTERING PROPERTY

Equally helpful may be the benchmarks provided by the economies that today have the best performance regionally or globally on the procedures, time or cost required to complete a property transfer (figure 5.3). These economies may provide a model for United

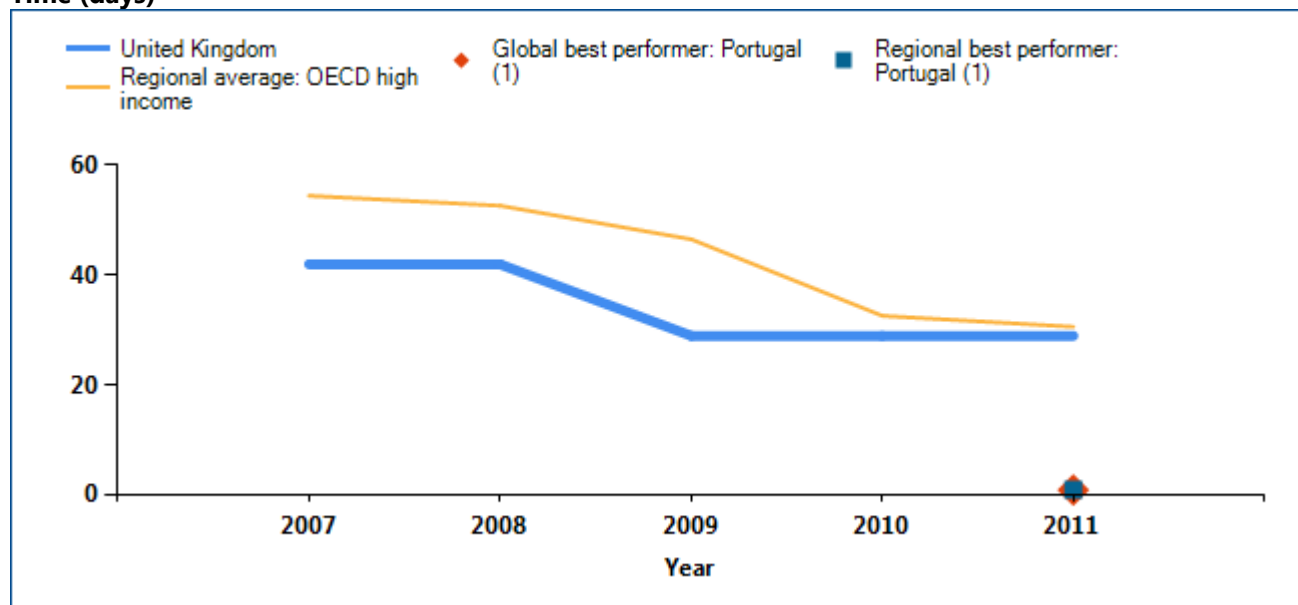
Kingdom on ways to improve the ease of registering property. And changes in regional averages can show where United Kingdom is keeping up—and where it is falling behind.

Figure 5.3 Has registering property become easier over time?

### Procedures (number)

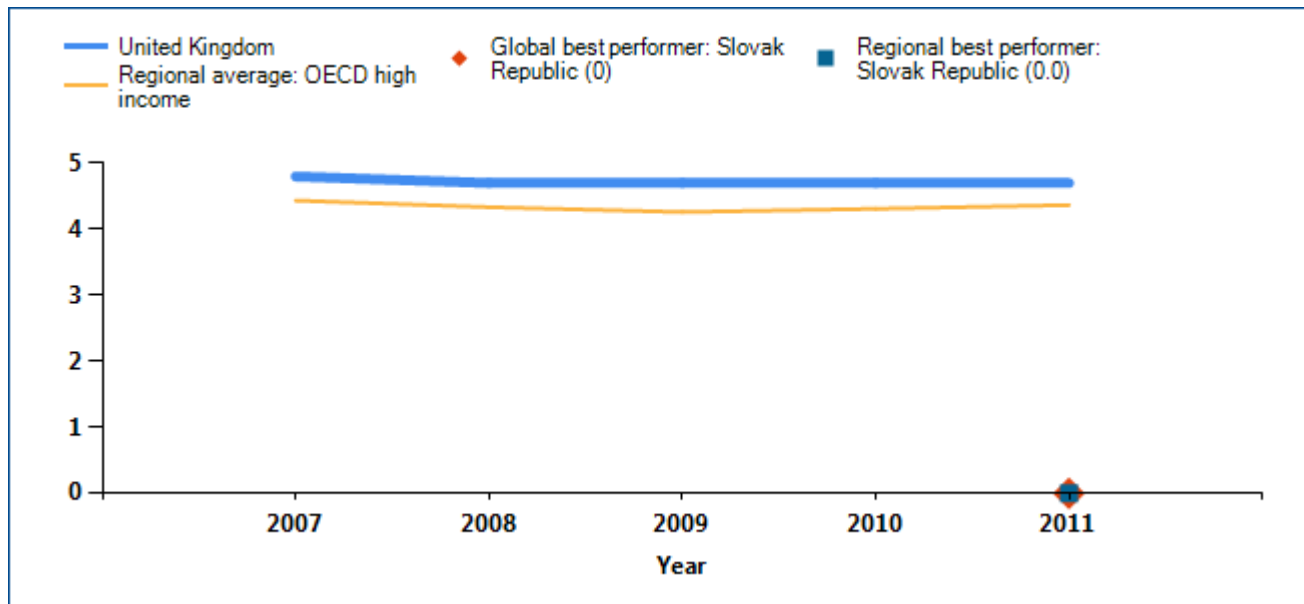


### Time (days)



## REGISTERING PROPERTY

### Cost (% of property value)



*Note:* The economy with the best performance regionally on each indicator, and the economy with the best performance globally, are included as benchmarks. In some cases 2 or more economies share the top regional or global ranking on an indicator. In cases where no data are displayed above for the economy, this indicates that the economy has received a “no practice” mark; see the data notes for details.

*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 United Kingdom (table 5.2)?

Table 5.2 How has United Kingdom made registering property easier—or not?  
By *Doing Business* report year

DB Year	Reform
DB2012	No reform.
DB2011	No reform.
DB2010	The lodging of a land transaction return is now processed automatically and electronically by the revenue and customs authority, reducing the time to register property.
DB2009	No reform.

*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

**City:** London  
**Property Value:** 1,191,545.2

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

#### Summary of procedures for registering property in United Kingdom—and the time and cost

No.	Procedure	Time to complete	Cost to complete
1	<p><b>* Standard enquiries of the seller delivered to the buyer's solicitor with a title pack</b></p> <p>Commercial Property Standard Enquiries (CPSE) are used by solicitors to find out details that cannot be inferred from the searches, eg. who is in actual occupation, how long the property has been used for its present use. Most solicitors use the commercial property standard enquiries prepared by members of the London Property Support Lawyers Group and endorsed by the British Property Federation.</p> <p>Depending on the enquiries raised, the seller's solicitor would typically spend 1-3 billable hours to prepare the enquiries taking his client's instructions. It would probably take the buyer's solicitor 30minutes to 1 hour to review the replies. If there was no particular urgency, this part of the process would typically be started at the same time as the searches are requested, and would be completed in around 1 week after the results of all the searches are received.</p>	1-4 weeks	GBP 3500 - GBP 10,000
2	<p><b>* Conduct searches on the property</b></p> <p>The buyer's solicitor will review the registered title to the property. It is the responsibility of the buyer's conveyancer to confirm to the buyer that it will be acquiring good and marketable title to the property.</p> <p>As part of the due diligence to determine whether the title is good and marketable, the purchaser's solicitor will conduct the following searches:</p> <p>1. Investigation of the title: to know whether the land is registered at the Land Registry and know what interests affect this land and if there are</p>	1-3 weeks	GBP 300 to GBP 1000

No.	Procedure	Time to complete	Cost to complete
	<p>any limitations. If the land is unregistered, the solicitor would have to look at the deeds and correspondence between the persons that appear on those deeds. This will be decreasingly the case as registration is now compulsory.</p> <p>2. Conveyancing searches, which would include:</p> <ul style="list-style-type: none"> <li>• Local Authority Search</li> <li>• Planning history (eg. permissions)</li> <li>• Desktop environmental search (to determine any environmental issues, such as flooding or contamination)</li> <li>• Public highway search</li> <li>• Chancel repair liability search (in this case the solicitor does not search the property itself, but the area in which the property is. If the area turns out to be affected by the liability to contribute to chancel repairs, then the property has to be insured against any future chancel repair claims. The amount of the insurance depends on the value of the property)</li> <li>• Other searches depending on the area, eg. coal mine shaft search or underground search (these issues affect the value of the property)</li> </ul> <p>3. Seller company search: to see the articles of association and what powers the representatives have</p> <p>For a property in London, solicitors usually request most of these searches through a search portal. These search portals are the one stop shop for most searches, and solicitors need a user name to access them. The search portals will pass on to the solicitor the information that they acquire from the relevant authorities.</p> <p>In total, these searches are usually 300 to 1000 pounds, depending on the number of searches requested, the amount that each local authority charges, and whether the solicitor requests the standard searches or is adding additional questions, which increase the cost. The results of the searches take from one day to 2/3 weeks to come back, depending on the search. The local authority search is the lengthiest one.</p> <p>Once satisfied with the results of the searches, the information provided in the standard enquiries and the title pack, the buyer's solicitor will prepare a report for the buyer on the title and other matters affecting the property.</p>		

No.	Procedure	Time to complete	Cost to complete
3	<p><b>* Drafting of contracts and exchange of contracts once agreed</b></p> <p>Property transactions are conducted by licensed conveyancers or solicitors. However, in the case of commercial properties, these transactions are usually conducted by solicitors. The seller's solicitor will prepare a draft of the contract and submit it to the purchaser's solicitor once approved by his/her client. The purchaser's solicitor will review the draft and suggest any suitable amendments.</p> <p>Once the two parties agree on the contract, contracts are exchanged. The solicitors acting for the buyer and seller can meet to exchange contracts, but that is rare. The exchange is usually done over the telephone in accordance with a specific formula for exchanging contracts over the phone. The most common is formula B where each solicitor holds a 'part' contract signed by his client. The solicitors agree over the phone specific terms of the contract (e.g., the amount of the deposit, completion date, etc.) and record the time of exchange and other details. Each solicitor sends their client's part contract to the other solicitor in the post that day. The buyer's solicitor will also send a cheque for the deposit (usually 10% of the purchase price). It is usual for there to be a gap in time between exchange of contracts and completion of the transfer of the property.</p>	1 day	included in Procedure 3
4	<p><b>* Pre-completion search with priority requested at the Land Registry</b></p> <p>The buyer's solicitor raises pre-completion enquiries of the seller's solicitor known as 'requisitions on title' and a 'pre-completion search with priority' in order to block any movements on the property until completion of the property transfer.</p>	1 day	GBP 8
5	<p><b>Complete and lodge a Land Transaction Return and pay the Stamp Duty Land Tax (SDLT) (available on-line)</b></p> <p>For every land transaction the purchaser must complete, sign and send the land transaction return to be received by HM Revenue &amp; Customs before the end of 30 days following the effective date of the transaction. The return includes a self-assessment of the stamp duty land tax chargeable on the transaction returned.</p> <p>The completed Land Transaction Return must be sent by post to the Revenue's Rapid Data Capture center in Netherton (near Liverpool) or</p>	1 day	<p>GBP 13 + 4% SDLT according to the following schedule:</p> <p>Property value                      SDLT                      Under GBP 150,000                      0%                      Between GBP</p>



No.	Procedure	Time to complete	Cost to complete

\* Takes place simultaneously with another procedure.

Source: *Doing Business* database.

## GETTING CREDIT

Two types of frameworks can facilitate access to credit and improve its allocation: credit information systems and the legal rights of borrowers and lenders in collateral and bankruptcy laws. Credit information systems enable lenders 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 public credit registry or a private credit bureau. The strength of legal rights index measures the degree to which collateral and bankruptcy laws protect the rights of borrowers and lenders and thus facilitate lending. *Doing Business* uses case scenarios 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. 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.

### WHAT THE GETTING CREDIT INDICATORS MEASURE

#### Strength of legal rights index (0–10)

Protection of rights of borrowers and lenders through collateral laws

Protection of secured creditors' rights through bankruptcy laws

#### Depth of credit information index (0–6)

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

#### Public credit registry coverage (% of adults)

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

#### Private credit bureau coverage (% of adults)

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

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

The ranking on the ease of getting credit is based on the percentile rankings on its component indicators: the depth of credit information index (weighted at 37.5%) and the strength of legal rights index (weighted at 62.5%).

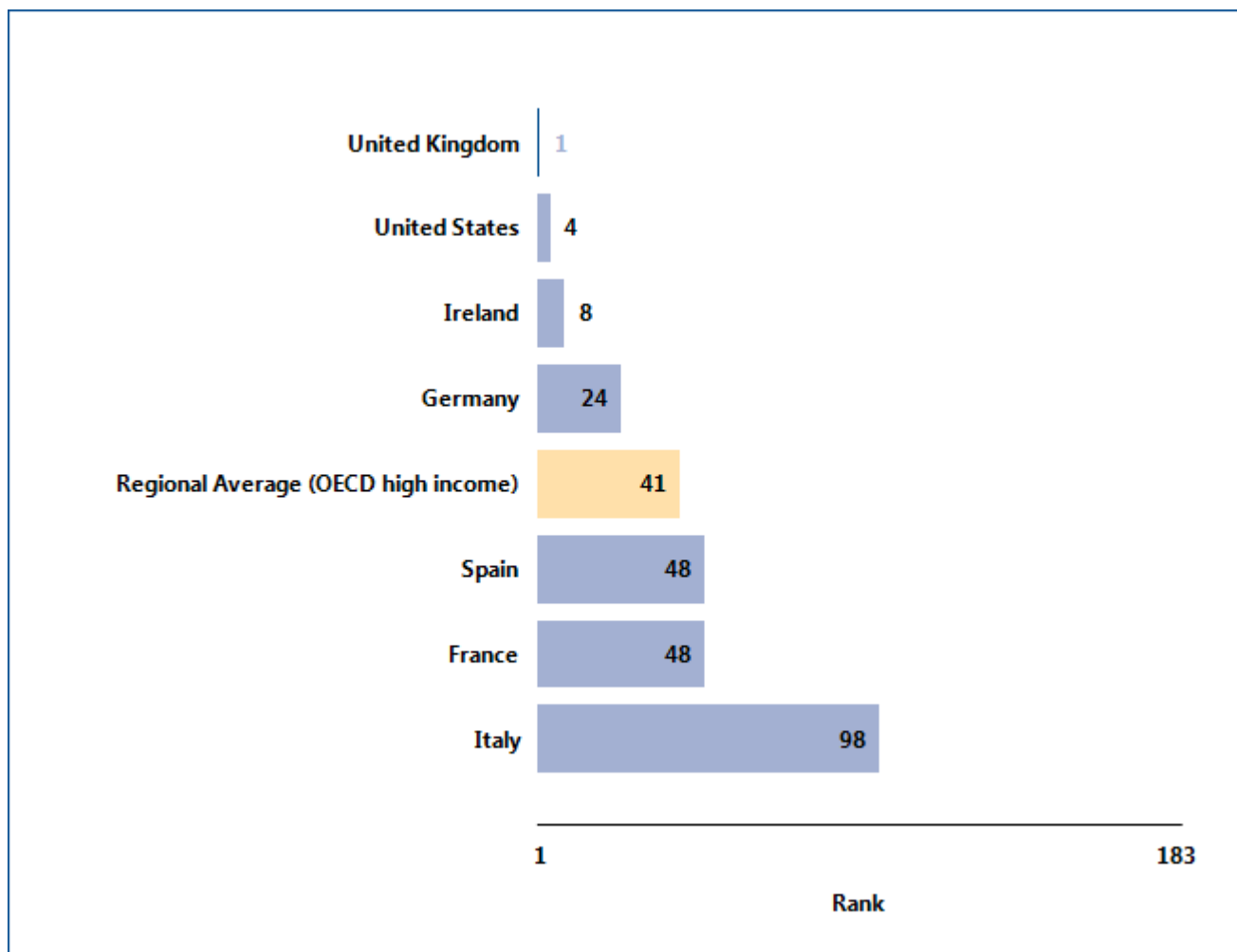
## GETTING CREDIT

### Where does the economy stand today?

How well do the credit information system and collateral and bankruptcy laws in United Kingdom facilitate access to credit? The economy has a score of 6 on the depth of credit information index and a score of 10 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, United Kingdom stands at 1 in the ranking of 183 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 United Kingdom support lending and borrowing.

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



Source: Doing Business database.



## GETTING CREDIT

### What are the changes over time?

While the most recent *Doing Business* data reflect how well the credit information system and collateral and bankruptcy laws in United Kingdom support lending and borrowing today, data over time can help show

where institutions and regulations have been strengthened—and where they have not (table 6.1). That can help identify where the potential for improvement is greatest.

Table 6.1 The ease of getting credit in United Kingdom over time  
By *Doing Business* report year

Indicator	DB2005	DB2006	DB2007	DB2008	DB2009	DB2010	DB2011	DB2012
Rank	..	..	..	..	..	..	1	1
Strength of legal rights index (0-10)	10	10	10	10	10	10	10	10
Depth of credit information index (0-6)	6	6	6	6	6	6	6	6
Public registry coverage (% of adults)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Private bureau coverage (% of adults)	n.a.	76.2	86.1	84.6	100.0	100.0	100.0	100.0

Note: n.a. = not applicable (the economy was not included in *Doing Business* for that year). DB2012 rankings reflect changes to the methodology.

Source: *Doing Business* database.

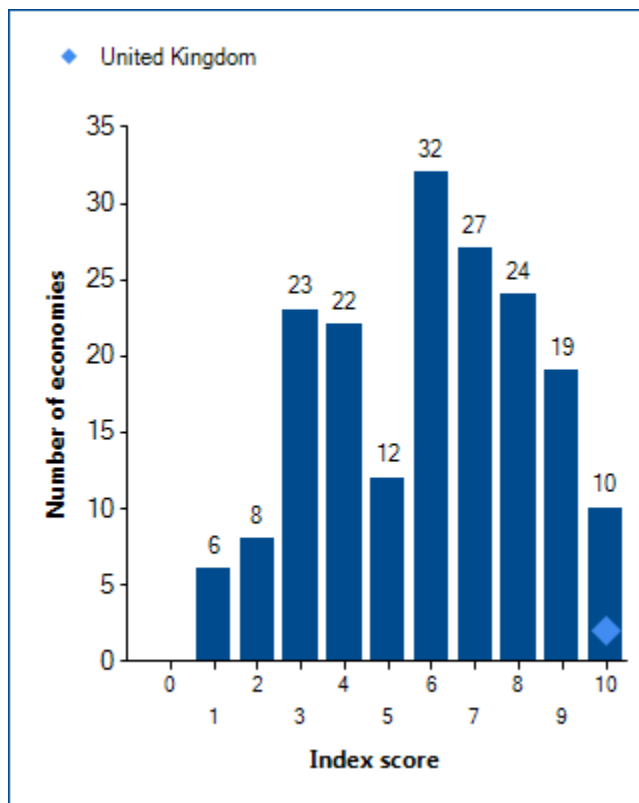
## GETTING CREDIT

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

index for United Kingdom in 2011 and shows the number of other economies having the same score in 2011. Figure 6.3 shows the same thing for the depth of credit information index.

Figure 6.2 Have legal rights for borrowers and lenders become stronger?

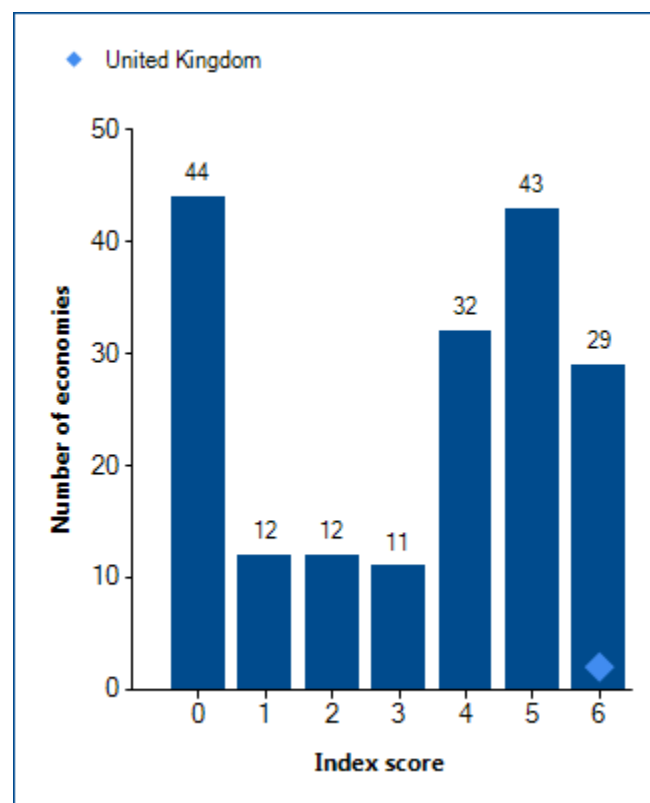
Number of economies with each score on strength of legal rights index (0–10), 2011



Source: Doing Business database.

Figure 6.3 Have the coverage and accessibility of credit information grown?

Number of economies with each score on depth of credit information index (0–6), 2011



Source: Doing Business database.

## GETTING CREDIT

When economies strengthen the legal rights of lenders and borrowers under collateral and bankruptcy laws, and increase the scope, coverage and accessibility of credit information, they can increase entrepreneurs' access to credit. What credit reforms has *Doing Business* recorded in United Kingdom (table 6.2)?

Table 6.2 How has United Kingdom made getting credit easier—or not?  
By *Doing Business* report year

DB Year	Reform
DB2012	No reform.
DB2011	No reform.
DB2010	No reform.
DB2009	No reform.

*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.

## GETTING CREDIT

### What are the details?

The getting credit indicators reported here for United Kingdom are based on detailed information collected in that economy. The data on credit information sharing are collected through a survey of a public credit registry or private credit bureau (if one exists). To construct the depth of credit information index, a score of 1 is assigned for each of 6 features of the public credit registry or private 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 8 aspects related to legal rights in collateral law and 2 aspects in bankruptcy law.

#### Summary of scoring for the getting credit indicators in United Kingdom

Indicator	United Kingdom	OECD high income	OECD high income
<b>Strength of legal rights index (0-10)</b>	10		7
<b>Depth of credit information index (0-6)</b>	6		5
<b>Public registry coverage (% of adults)</b>	0.0		9.5
<b>Private bureau coverage (% of adults)</b>	100.0		63.9

<b>Strength of legal rights index (0–10)</b>	<b>Index score: 10</b>
Can any business use movable assets as collateral while keeping possession of the assets; and any financial institution accept such assets as collateral ?	Yes
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?	Yes
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, that is unified geographically and by asset type, with an electronic database indexed by debtor's names?	Yes
Are secured creditors paid first (i.e. before general tax claims and employee claims) when a debtor defaults outside an insolvency procedure?	Yes

<b>Strength of legal rights index (0–10)</b>	<b>Index score: 10</b>
Are secured creditors paid first (i.e. before general tax claims and employee claims) when a business is liquidated?	Yes
Are secured creditors either not subject to an automatic stay or moratorium on enforcement procedures when a debtor enters a court-supervised reorganization procedure, or the law provides secured creditors with grounds for relief from an automatic stay or	Yes
Does the law allow parties to agree in a collateral agreement that the lender may enforce its security right out of court, at the time a security interest is created?	Yes

<b>Depth of credit information index (0–6)</b>	<b>Private credit bureau</b>	<b>Public credit registry</b>	<b>Index score: 6</b>
Are data on both firms and individuals distributed?	Yes	No	1
Are both positive and negative data distributed?	Yes	No	1
Does the registry distribute credit information from retailers, trade creditors or utility companies as well as financial institutions?	Yes	No	1
Are more than 2 years of historical credit information distributed?	Yes	No	1
Is data on all loans below 1% of income per capita distributed?	Yes	No	1
Is it guaranteed by law that borrowers can inspect their data in the largest credit registry?	Yes	No	1

Note: An economy receives a score of 1 if there is a "yes" to either private bureau or public registry.

<b>Coverage</b>	<b>Private credit bureau</b>	<b>Public credit registry</b>
<b>Number of firms</b>	..	0
<b>Number of individuals</b>	..	0

Source: Doing Business database.

## PROTECTING INVESTORS

Investor protections matter for the ability of companies to raise the capital they need to grow, innovate, diversify and compete. If the laws do not provide such protections, investors may be reluctant to invest unless they become the controlling shareholders. Strong regulations clearly define related-party transactions, promote clear and efficient disclosure requirements, require shareholder participation in major decisions of the company and set clear standards of accountability for company insiders.

### What do the indicators cover?

*Doing Business* measures the strength of minority shareholder protections against directors' use of corporate assets for personal gain—or self-dealing. The indicators distinguish 3 dimensions of investor protections: transparency of related-party transactions (extent of disclosure index), liability for self-dealing (extent of director liability index) and shareholders' ability to sue officers and directors for misconduct (ease of shareholder suits index). The ranking on the strength of investor protection index is the simple average of the percentile rankings on these 3 indices. 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

### WHAT THE PROTECTING INVESTORS INDICATORS MEASURE

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

Who can approve related-party transactions  
Disclosure requirements in case of related-party transactions

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

Ability of shareholders to hold interested parties and members of the approving body liable in case of related-party transactions

Available legal remedies (damages, repayment of profits, fines, imprisonment and rescission of the transaction)

Ability of shareholders to sue directly or derivatively

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

Access to internal corporate documents (directly or through a government inspector)

Documents and information available during trial

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

Simple average of the extent of disclosure, extent of director liability and ease of shareholder suits indices

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.

## PROTECTING INVESTORS

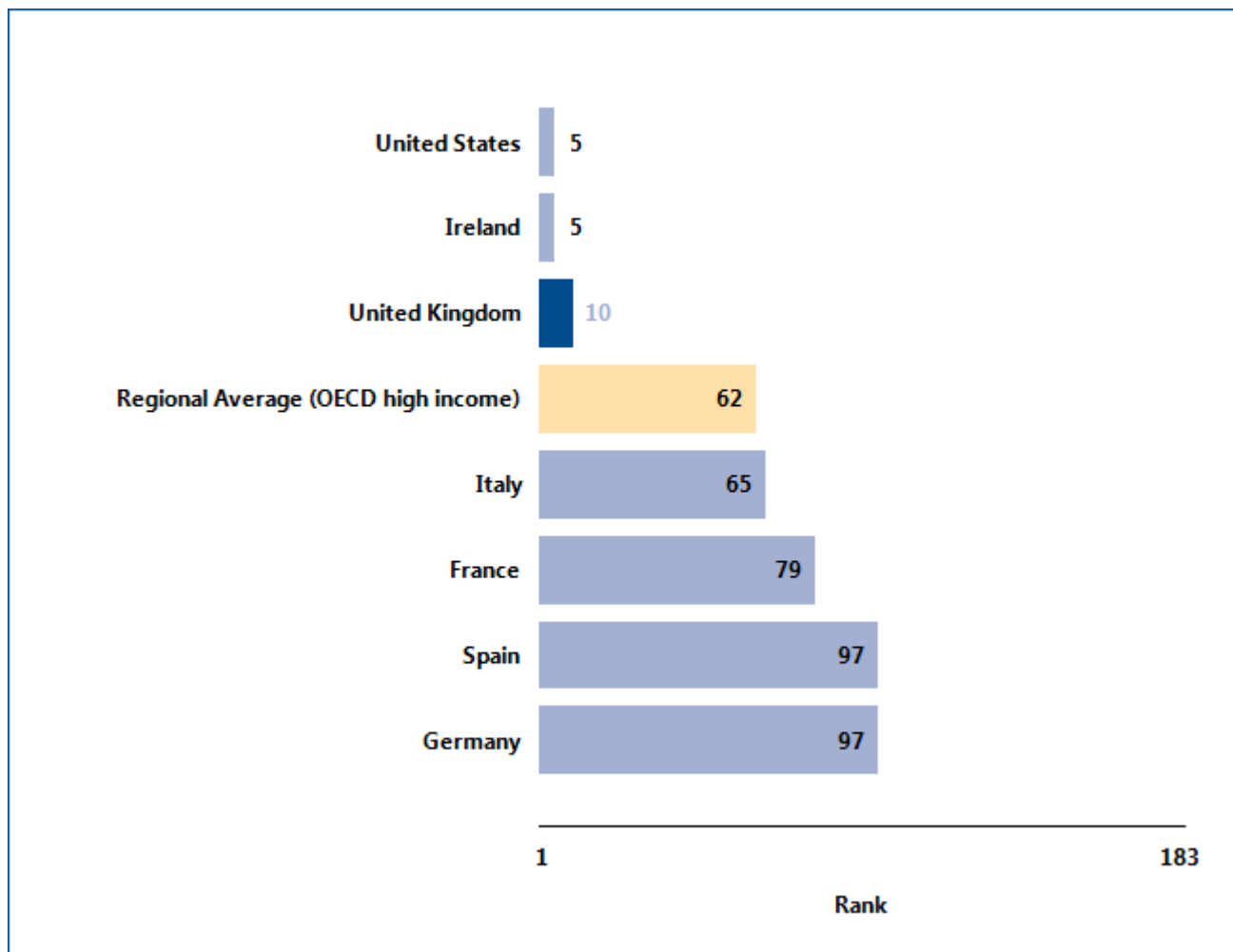
### Where does the economy stand today?

How strong are investor protections in United Kingdom? The economy has a score of 8.0 on the strength of investor protection index, with a higher score indicating stronger protections (see the summary of scoring at the end of this chapter for details).

Globally, United Kingdom stands at 10 in the ranking of 183 economies on the strength of 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 investor protections against self-dealing in the areas measured.

Figure 7.1 How United Kingdom and comparator economies rank on the strength of investor protection index



Source: Doing Business database.

## PROTECTING INVESTORS

### What are the changes over time?

While the most recent *Doing Business* data reflect how well regulations in United Kingdom protect minority investors today, data over time show whether the protections have been strengthened (table 7.1). And

the global ranking on the strength of investor protection index over time shows whether the economy is slipping behind other economies in investor protections—or surpassing them.

Table 7.1 The strength of investor protections in United Kingdom over time  
By *Doing Business* report year

Indicator	DB2006	DB2007	DB2008	DB2009	DB2010	DB2011	DB2012
Rank	..	..	..	..	..	10	10
Extent of disclosure index (0-10)	10	10	10	10	10	10	10
Extent of director liability index (0-10)	7	7	7	7	7	7	7
Ease of shareholder suits index (0-10)	7	7	7	7	7	7	7
Strength of investor protection index (0-10)	8.0	8.0	8.0	8.0	8.0	8.0	8.0

Note: n.a. = not applicable (the economy was not included in *Doing Business* for that year). DB2012 rankings reflect changes to the methodology.

Source: *Doing Business* database.



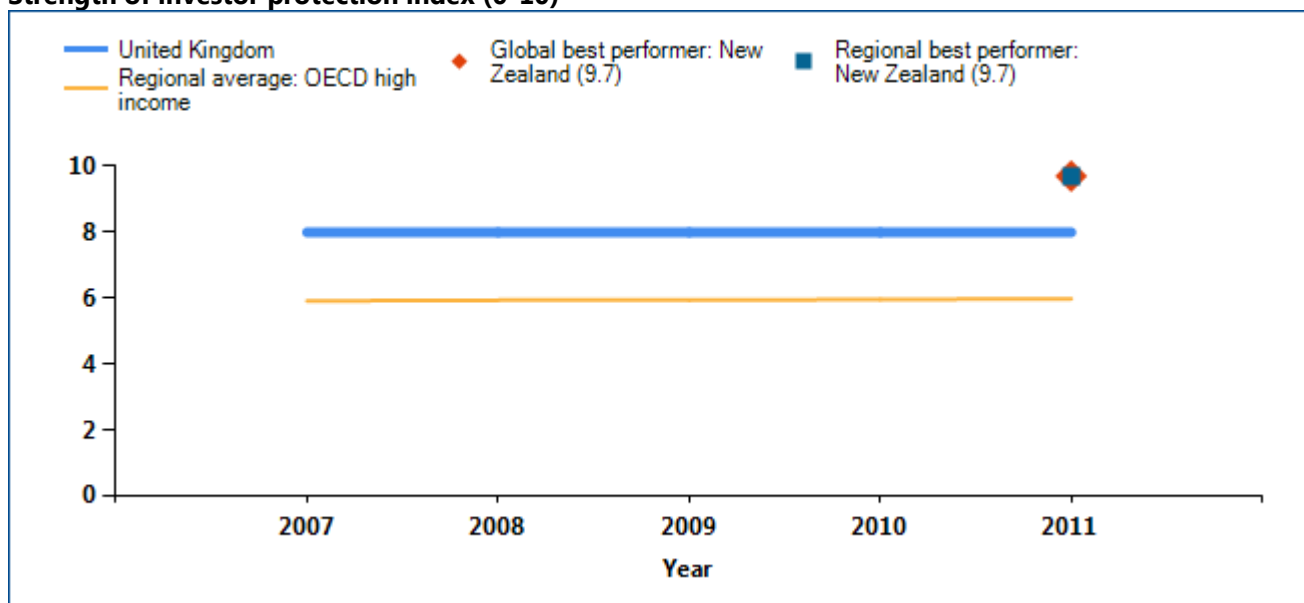
## PROTECTING INVESTORS

But the overall ranking on the strength of investor protection index tells only part of the story. Economies may offer strong protections in some areas but not others. So the scores recorded over time for United Kingdom on the extent of disclosure, extent of director

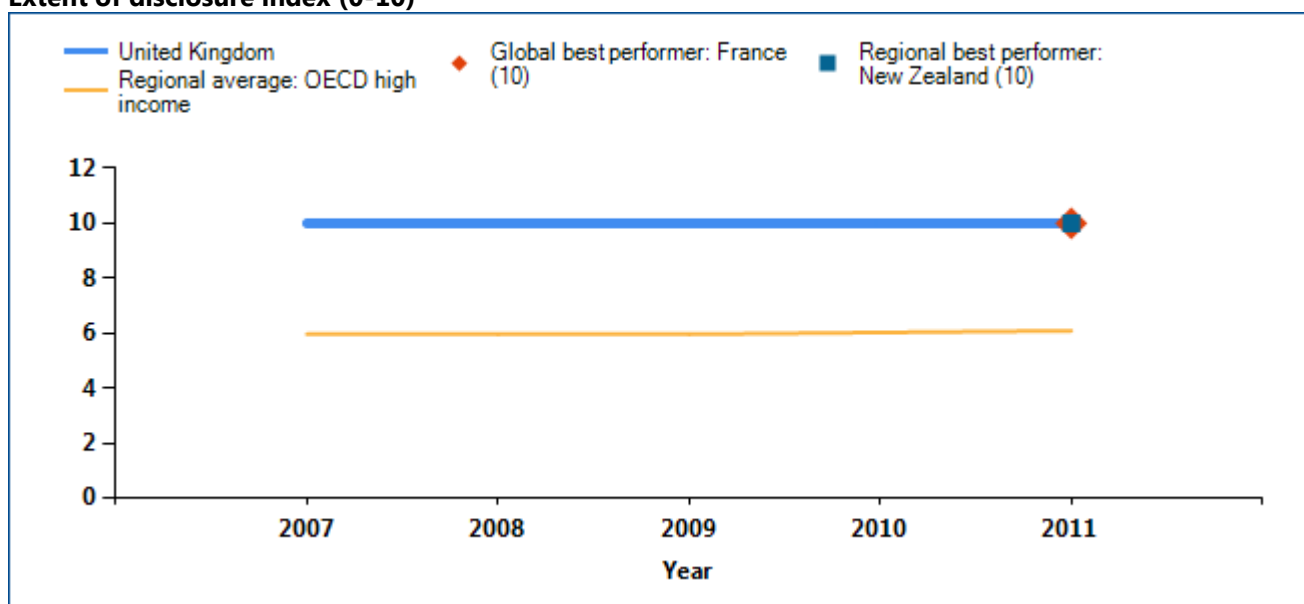
liability and ease of shareholder suits indices may also be revealing (figure 7.2). Equally interesting may be the changes over time in the regional average scores for those indices.

Figure 7.2 Have investor protections become stronger?

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

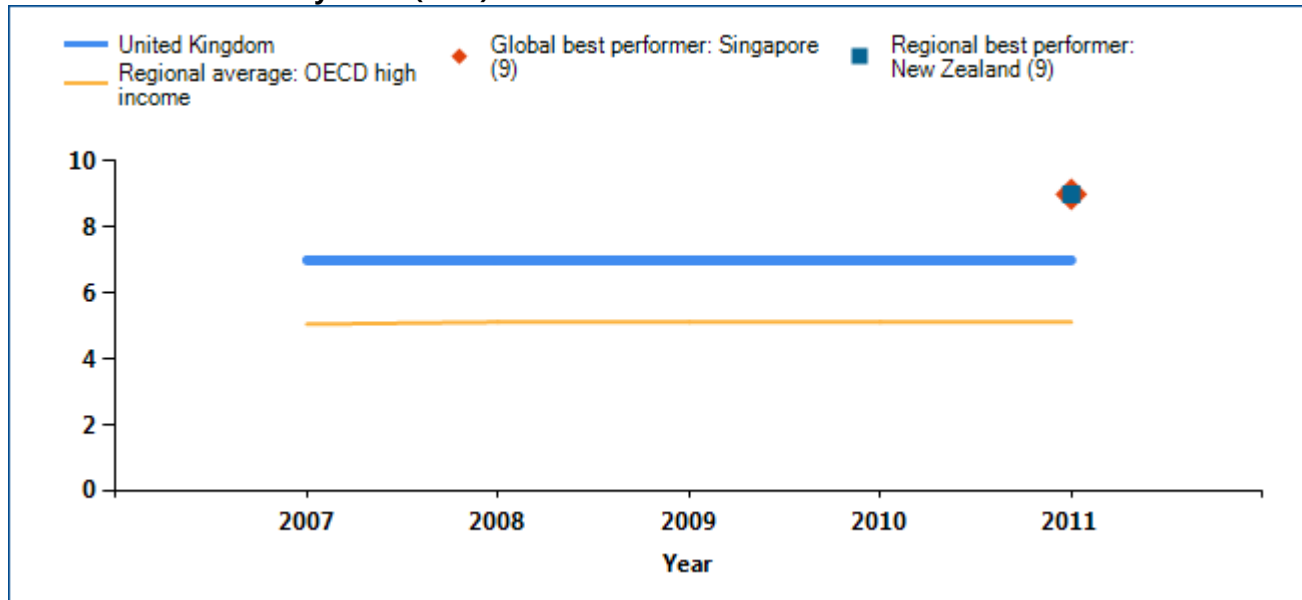


### Extent of disclosure index (0-10)

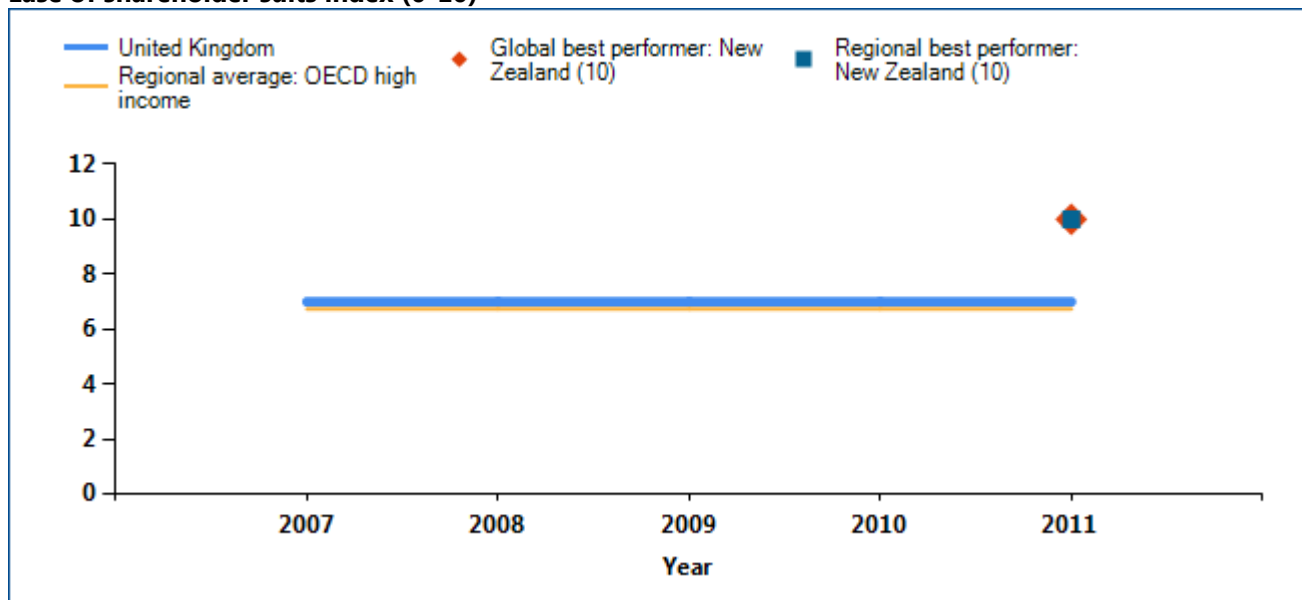


## PROTECTING INVESTORS

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



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



Note: The higher the score, the stronger the investor protections. The economy with the best performance regionally on each indicator, and the economy with the best performance globally, are included as benchmarks. In some cases 2 or more economies share the top regional or global ranking on an indicator.

Source: *Doing Business* database.

## PROTECTING INVESTORS

Economies with the strongest protections of minority investors from self-dealing require more disclosure and define clear duties for directors. They also have well-functioning courts and up-to-date procedural rules that give minority investors the means to prove their case and obtain a judgment within a reasonable

time. So reforms to strengthen investor protections may move ahead on different fronts—such as through new or amended company laws or civil procedure rules. What investor protection reforms has *Doing Business* recorded in United Kingdom (table 7.2)?

Table 7.2 How has United Kingdom strengthened investor protections—or not?  
By *Doing Business* report year

DB Year	Reform
DB2012	No reform.
DB2011	No reform.
DB2010	No reform.
DB2009	No reform.

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.

## PROTECTING INVESTORS

### What are the details?

The protecting investors indicators reported here for United Kingdom are based on detailed information collected through a survey of corporate and securities lawyers and are based on securities regulations, company laws and court rules of evidence. To construct the extent of disclosure, extent of director

liability and ease of shareholder suits indices, a score is assigned for each of a range of conditions relating to disclosure, director liability and shareholder suits in a standard case study transaction (see the notes at the end of this chapter). The summary below shows the details underlying the scores for United Kingdom.

#### Summary of scoring for the protecting investors indicators in United Kingdom

Indicator	United Kingdom	OECD high income	OECD high income
<b>Extent of disclosure index (0-10)</b>	10		6
<b>Extent of director liability index (0-10)</b>	7		5
<b>Ease of shareholder suits index (0-10)</b>	7		7
<b>Strength of investor protection index (0-10)</b>	8.0		6.0

	Score
Extent of disclosure index (0-10)	10
What corporate body provides legally sufficient approval for the transaction?	3
Whether disclosure of the conflict of interest by Mr. James to the board of directors is required?	2
Whether immediate disclosure of the transaction to the public and/or shareholders is required?	2
Whether disclosure of the transaction in published periodic filings (annual reports) is required?	2
Whether an external body must review the terms of the transaction before it takes place?	1
Extent of director liability index (0-10)	7
Whether shareholders can sue directly or derivatively for the damage that the Buyer-Seller transaction causes to the company?	1
Whether shareholders can hold Mr. James liable for the damage that the Buyer-Seller transaction causes to the company?	2
Whether shareholders can hold members of the approving body liable for the damage that the Buyer-Seller transaction causes to the company?	1
Whether a court can void the transaction upon a successful claim by a shareholder plaintiff?	1

	Score
Whether Mr. James pays damages for the harm caused to the company upon a successful claim by the shareholder plaintiff?	1
Whether Mr. James repays profits made from the transaction upon a successful claim by the shareholder plaintiff?	1
Whether fines and imprisonment can be applied against Mr. James?	0
Ease of shareholder suits index (0-10)	7
Whether shareholders owning 10% or less of Buyer's shares can inspect transaction documents before filing suit?	0
Whether shareholders owning 10% or less of Buyer's shares can request an inspector to investigate the transaction?	1
Whether the plaintiff can obtain any documents from the defendant and witnesses during trial?	2
Whether the plaintiff can request categories of documents from the defendant without identifying specific ones?	1
Whether the plaintiff can directly question the defendant and witnesses during trial?	2
Whether the level of proof required for civil suits is lower than that of criminal cases?	1
Strength of investor protection index (0-10)	8.0

Source: *Doing Business* database.

## Notes:

### Extent of disclosure index (0–10)

Scoring for the extent of disclosure index is based on 5 components:

*Which corporate body can provide legally sufficient approval for the transaction*

0 = CEO or managing director alone; 1 = shareholders or board of directors vote and Mr. James can vote; 2 = board of directors votes and Mr. James cannot vote; 3 = shareholders vote and Mr. James cannot vote.

*Whether disclosure of the conflict of interest by Mr. James to the board of directors is required*

0 = no disclosure; 1 = disclosure of the existence of a conflict without any specifics; 2 = full disclosure of all material facts.

*Whether immediate disclosure of the transaction to the public, the regulator or the shareholders is required*

0 = no disclosure; 1 = disclosure on the transaction only; 2 = disclosure on the transaction and Mr. James's conflict of interest.

*Whether disclosure of the transaction in the annual report is required*

0 = no disclosure; 1 = disclosure on the transaction only; 2 = disclosure on the transaction and Mr. James's conflict of interest.

*Whether it is required that an external body (for example, an external auditor) review the transaction before it takes place*

0 = no; 1 = yes.

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

Scoring for the extent of director liability index is based on 7 components:

*Whether shareholders can sue directly or derivatively for the damage that the Buyer-Seller transaction causes to the company*

0 = suits are unavailable or available only for shareholders holding more than 10% of the company's share capital; 1 = direct or derivative suits available for shareholders holding 10% of share capital or less.

*Whether shareholders can hold Mr. James liable for the damage that the transaction causes to the company*

0 = Mr. James is not liable or is liable only if he acted fraudulently or in bad faith; 1 = Mr. James is liable if he influenced the approval or was negligent; 2 = Mr. James is liable if the transaction is unfair or prejudicial to the other shareholders.

*Whether shareholders can hold the approving body (the CEO or members of the board of directors) liable for the damage that the transaction causes to the company*

0 = members of the approving body are either not liable or liable only if they acted fraudulently or in bad faith; 1 = liable for negligence in the approval of the transaction; 2 = liable if the transaction is unfair or prejudicial to the other shareholders.

*Whether a court can void the transaction upon a successful claim by a shareholder plaintiff*

0 = rescission is unavailable or available only in case of Seller's fraud or bad faith; 1 = rescission is available when the transaction is oppressive or prejudicial to the other shareholders; 2 = rescission is available when the transaction is unfair or entails a conflict of interest.

*Whether Mr. James pays damages for the harm caused to the company upon a successful claim by the shareholder plaintiff*

0 = no; 1 = yes.

*Whether Mr. James repays profits made from the transaction upon a successful claim by the shareholder plaintiff*

0 = no; 1 = yes.

*Whether both fines and imprisonment can be applied against Mr. James*

0 = no; 1 = yes.

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

Scoring for the ease of shareholder suits index is based on 6 components:

*What range of documents is available to the plaintiff from the defendant and witnesses during trial*

Score of 1 for each of the following: information that the defendant has indicated he intends to rely on for his defense; information that directly proves specific facts in the plaintiff's claim; any information relevant to the subject matter of the claim; and any information that may lead to the discovery of relevant information.

*Whether the plaintiff can directly examine the defendant and witnesses during trial*

0 = no; 1 = yes, with prior approval by the court of the questions posed; 2 = yes, without prior approval.

*Whether the plaintiff can obtain categories of relevant documents from the defendant without identifying each document specifically*

0 = no; 1 = yes.

*Whether shareholders owning 10% or less of the company's share capital can request that a government inspector investigate the transaction without filing suit in court*

0 = no; 1 = yes.

*Whether shareholders owning 10% or less of the company's share capital have the right to inspect the transaction documents before filing suit*

0 = no; 1 = yes.

*Whether the standard of proof for civil suits is lower than that for a criminal case*

0 = no; 1 = yes.

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

Simple average of the extent of disclosure, extent of director liability and ease of shareholder suits indices.

## PAYING TAXES

Taxes are essential. They fund the public amenities, infrastructure and services that are crucial for a properly functioning economy. But the level of tax rates needs to be carefully chosen—and needless complexity in tax rules avoided. According to *Doing Business* data, in economies where it is more difficult and costly to pay taxes, larger shares of economic activity end up in the informal sector—where businesses pay no taxes at all.

### 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 on the ease of paying taxes is the simple average of the percentile rankings on its component indicators: number of annual payments, time and total tax rate, with a threshold being applied to the total tax rate.<sup>2</sup> To make the data comparable across economies, several assumptions about the business and the taxes and contributions are used.

- TaxpayerCo is a medium-size business that started operations on January 1, 2009.
- The business starts from the same financial position in each economy. All the taxes and mandatory contributions paid during the second year of operation are recorded.
- Taxes and mandatory contributions are measured at all levels of government.

### WHAT THE PAYING TAXES INDICATORS MEASURE

#### Tax payments for a manufacturing company in 2010 (number per year adjusted for electronic or 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.

<sup>2</sup> The threshold is defined as the highest total tax rate among the top 30% of economies in the ranking on the total tax rate. It will be calculated and adjusted on a yearly basis. The threshold is not based on any underlying theory. Instead, it is intended to mitigate the effect of very low tax rates on the ranking on the ease of paying taxes.



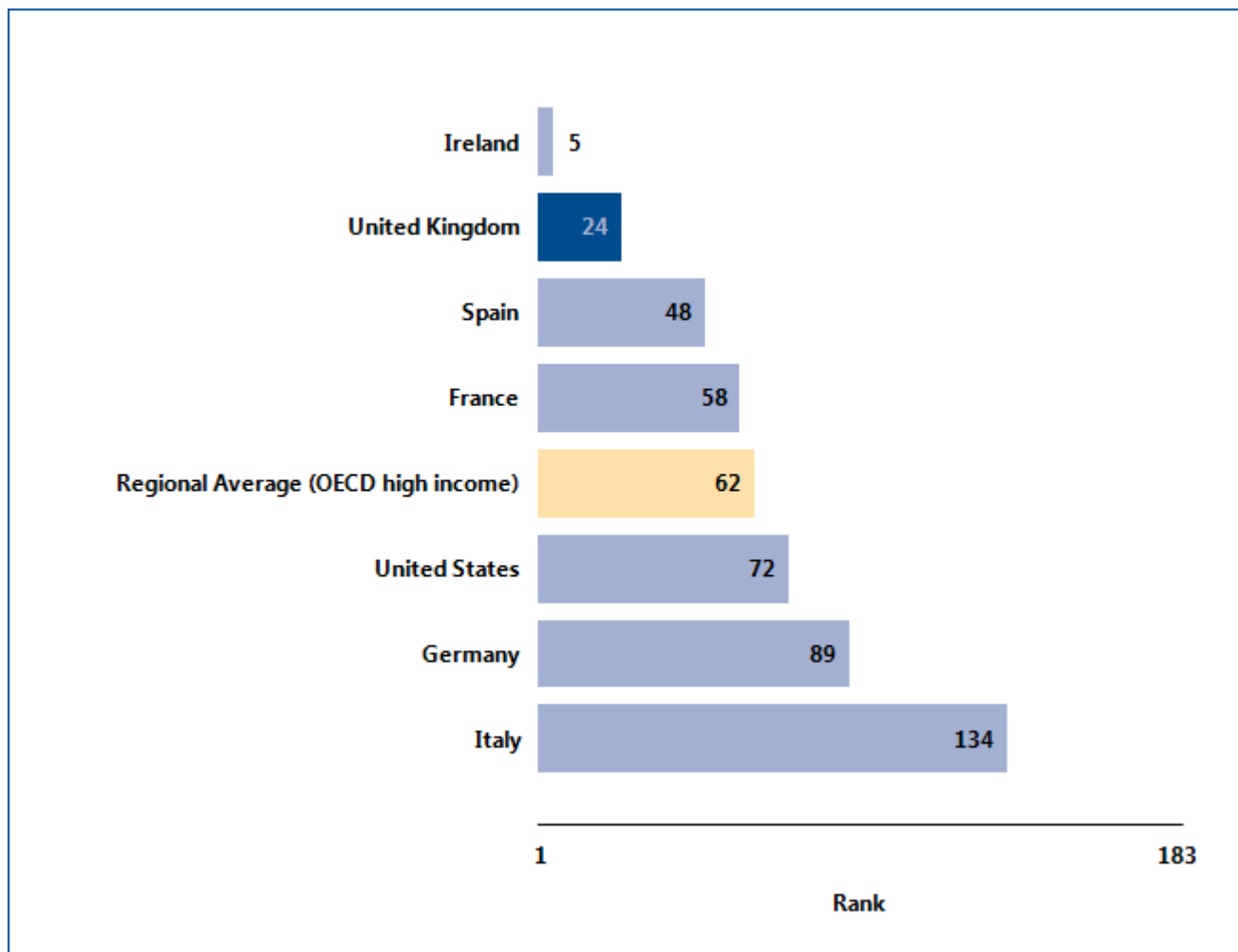
## PAYING TAXES

### Where does the economy stand today?

What is the administrative burden of complying with taxes in United Kingdom—and how much do firms pay in taxes? On average, firms make 8 tax payments a year, spend 110 hours a year filing, preparing and paying taxes and pay total taxes amounting to 23.1% of profit (see the summary at the end of this chapter for details).

Globally, United Kingdom stands at 24 in the ranking of 183 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 United Kingdom.

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



Note: DB2012 rankings reflect changes to the methodology. For all economies with a total tax rate below the threshold of 32.5% applied in DB2012, the total tax rate is set at 32.5% for the purpose of calculating the ranking on the ease of paying taxes.

Source: *Doing Business* database.

## PAYING TAXES

### What are the changes over time?

While the most recent *Doing Business* data reflect how easy (or difficult) it is to comply with tax rules in United Kingdom today, data over time show which aspects of

the process have changed — and which have not (table 8.1). That can help identify where the potential for easing tax compliance is greatest.

Table 8.1 The ease of paying taxes in United Kingdom over time  
By *Doing Business* report year

Indicator	DB2006	DB2007	DB2008	DB2009	DB2010	DB2011	DB2012
<b>Rank</b>	..	..	..	..	..	21	24
<b>Payments (number per year)</b>	8	8	8	8	8	8	8
<b>Time (hours per year)</b>	105	105	105	105	110	110	110
<b>Total tax rate (% profit)</b>	35.8	35.8	35.7	35.3	35.9	37.3	37.3

Note: n.a. = not applicable (the economy was not included in *Doing Business* for that year). DB2012 rankings reflect changes to the methodology. For all economies with a total tax rate below the threshold of 32.5% applied in DB2012, the total tax rate is set at 32.5% for the purpose of calculating the rank on the ease of paying taxes.

Source: *Doing Business* database.

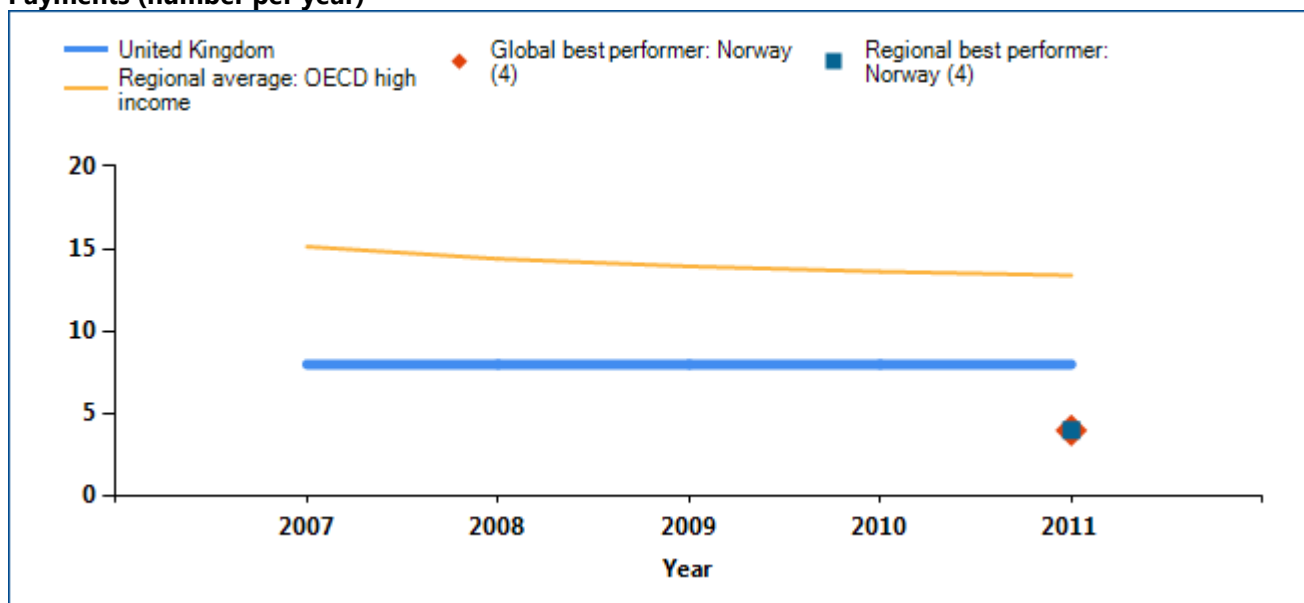
## PAYING TAXES

Equally helpful may be the benchmarks provided by the economies that today have the best performance regionally or globally on the number of payments or the time required to prepare and file taxes (figure 8.2). These economies may provide a model for United

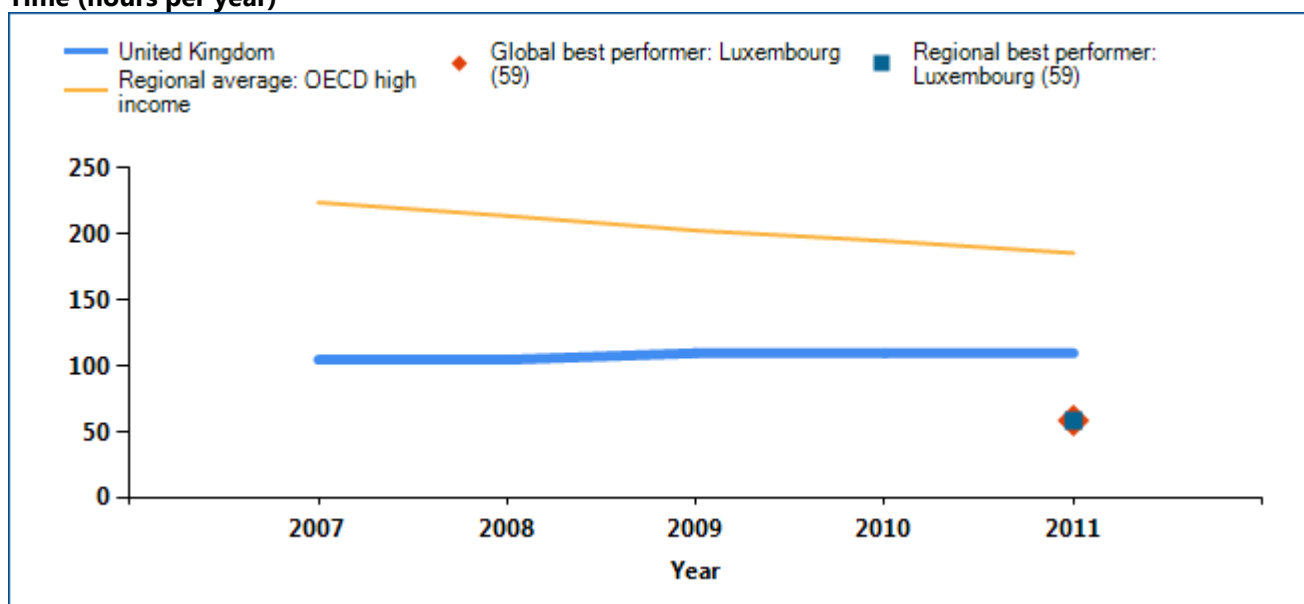
Kingdom on ways to ease the administrative burden of tax compliance. And changes in regional averages can show where United Kingdom is keeping up—and where it is falling behind.

Figure 8.2 Has paying taxes become easier over time?

### Payments (number per year)

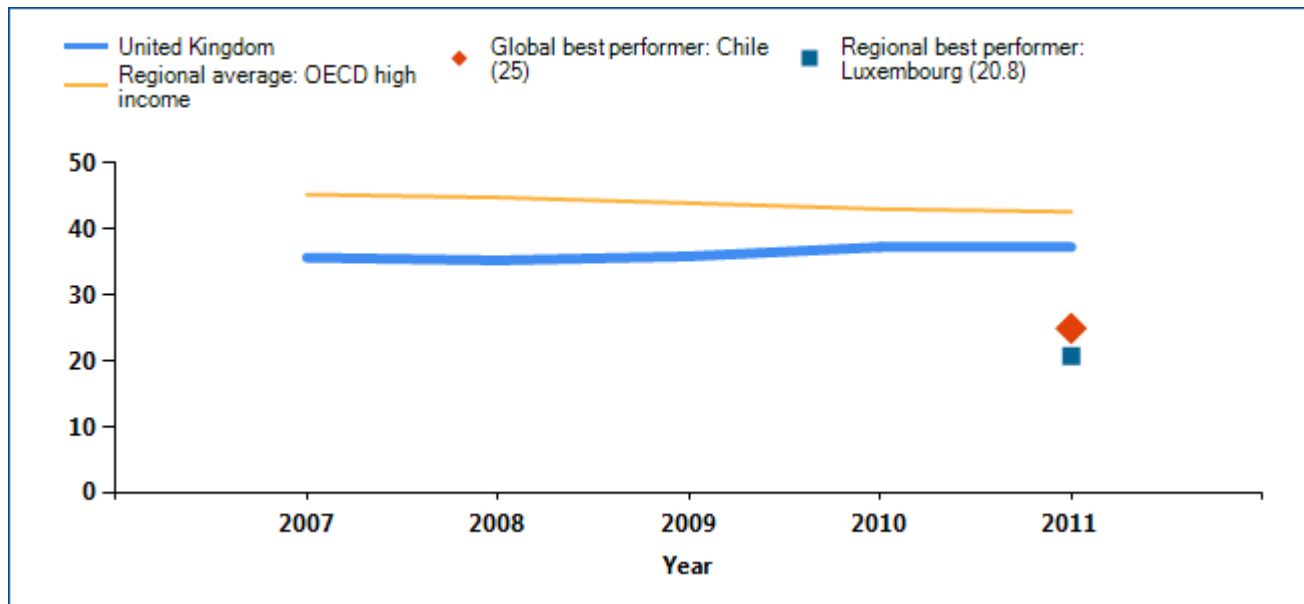


### Time (hours per year)



## PAYING TAXES

### Total tax rate (% of profit)



*Note:* The economy with the best performance regionally on each indicator, and the economy with the best performance globally, are included as benchmarks. The best performer globally on an indicator has implemented the most efficient practices in its tax system but is not necessarily the one with the highest ranking on the indicator. In some cases 2 or more economies share the top regional ranking on an indicator. DB2012 rankings reflect changes to the methodology. For all economies with a total tax rate below the threshold of 32.5% applied in DB2012, the total tax rate is set at 32.5% for the purpose of calculating the ranking 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 United Kingdom (table 8.2)?

Table 8.2 How has United Kingdom made paying taxes easier—or not?  
By *Doing Business* report year

DB Year	Reform
<b>DB2012</b>	No reform.
<b>DB2011</b>	No reform.
<b>DB2010</b>	No reform.
<b>DB2009</b>	No reform.

*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 United Kingdom are based on a standard set of taxes and contributions that would be paid by the 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 standard financial statements as well as a standard list of transactions

that the company completed during the year. Respondents are asked how much in taxes and mandatory contributions the business must pay and what the process is for doing so. The taxes and contributions paid are listed in the summary below, along with the associated number of payments, time and tax rate.

#### Summary of tax rates and administrative burden in United Kingdom

Indicator	United Kingdom	OECD high income	OECD high income
Payments (number per year)	8		13
Time (hours per year)	110		186
Profit tax (%)	23.1		15.4
Labor tax and contributions (%)	11.0		24.0
Other taxes (%)	3.2		3.2
Total tax rate (% profit)	37.3		42.7

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		35	21-29.75%	taxable profit	23.1	
Labor tax	1	online filing	45	12.8% (floor of GBP 110 per week)	gross salaries	11	
Fuel Tax	1		0		included in fuel price	1.6	
Municipal business tax	1		0	various	property value	1.3	
Tax on insurance contracts	1		0	5%	insurance premium	0.1	
Environmental tax	1		0	GBP 48 per ton	weight of active waste	0.1	

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
<b>Vehicle tax</b>	1		0	various	depending on weight and size of vehicle	0.1	
<b>Value added tax</b>	1	online filing	30	17.5%	value added	0	not included
<b>Totals</b>	<b>8</b>		<b>110</b>			<b>37.3</b>	

Note: DB2012 rankings reflect changes to the methodology. For all economies with a total tax rate below the threshold of 32.5% applied in DB2012, the total tax rate is set at 32.5% for the purpose of calculating the ranking on the ease of paying taxes.

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) associated with exporting and importing a standard shipment of goods by ocean transport, and the number of documents necessary to complete the transaction. The indicators cover procedural requirements 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 on the ease of trading across borders is the simple average of the percentile rankings on its component indicators: documents, time and cost to export and import.

To make the data comparable across economies, *Doing Business* uses several assumptions about the business and the traded goods.

The business:

- Is of medium size and employs 60 people.
- Is located in the periurban area of the economy's largest business city.
- Is a private, limited liability company, domestically owned, formally registered and operating under commercial laws and regulations of the economy.

The traded goods:

- Are not hazardous nor do they include military items.

### 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 all the documents
- Inland transport and handling
- Customs clearance and inspections
- Port and terminal handling
- Does not include ocean 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

- Do not require refrigeration or any other special environment.
- Do not require any special phytosanitary or environmental safety standards other than accepted international standards.
- Are one of the economy's leading export or import products.
- Are transported in a dry-cargo, 20-foot full container load.



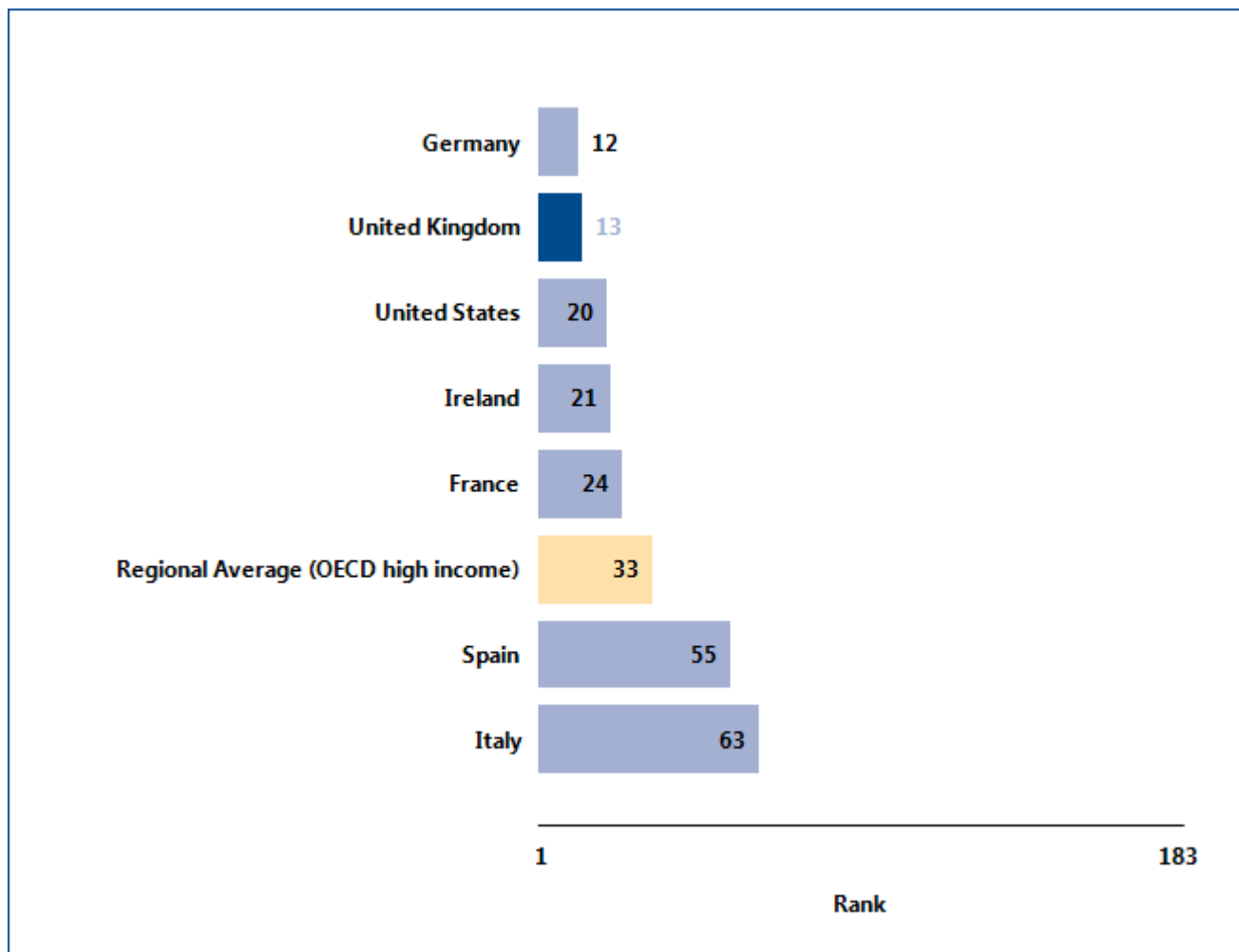
## TRADING ACROSS BORDERS

### Where does the economy stand today?

What does it take to export or import in United Kingdom? According to data collected by *Doing Business*, exporting a standard container of goods requires 4 documents, takes 7 days and costs \$950. Importing the same container of goods requires 4 documents, takes 6 days and costs \$1045 (see the summary of procedures and documents at the end of this chapter for details).

Globally, United Kingdom stands at 13 in the ranking of 183 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 United Kingdom to export and import goods.

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



Source: *Doing Business* database.

## TRADING ACROSS BORDERS

### What are the changes over time?

While the most recent *Doing Business* data reflect how easy (or difficult) it is to export or import in United Kingdom today, data over time show which aspects of

the process have changed—and which have not (table 9.1). That can help identify where the potential for improvement is greatest.

Table 9.1 The ease of trading across borders in United Kingdom over time  
By *Doing Business* report year

Indicator	DB2006	DB2007	DB2008	DB2009	DB2010	DB2011	DB2012
Rank	..	..	..	..	..	14	13
Documents to export (number)	4	4	4	4	4	4	4
Time to export (days)	9	9	9	9	9	7	7
Cost to export (US\$ per container)	940	940	940	1,030	1,030	950	950
Documents to import (number)	4	4	4	4	4	4	4
Time to import (days)	8	8	8	8	8	6	6
Cost to import (US\$ per container)	1,267	1,267	1,267	1,350	1,160	1,045	1,045

Note: n.a. = not applicable (the economy was not included in *Doing Business* for that year). DB2012 rankings reflect changes to the methodology.

Source: *Doing Business* database.

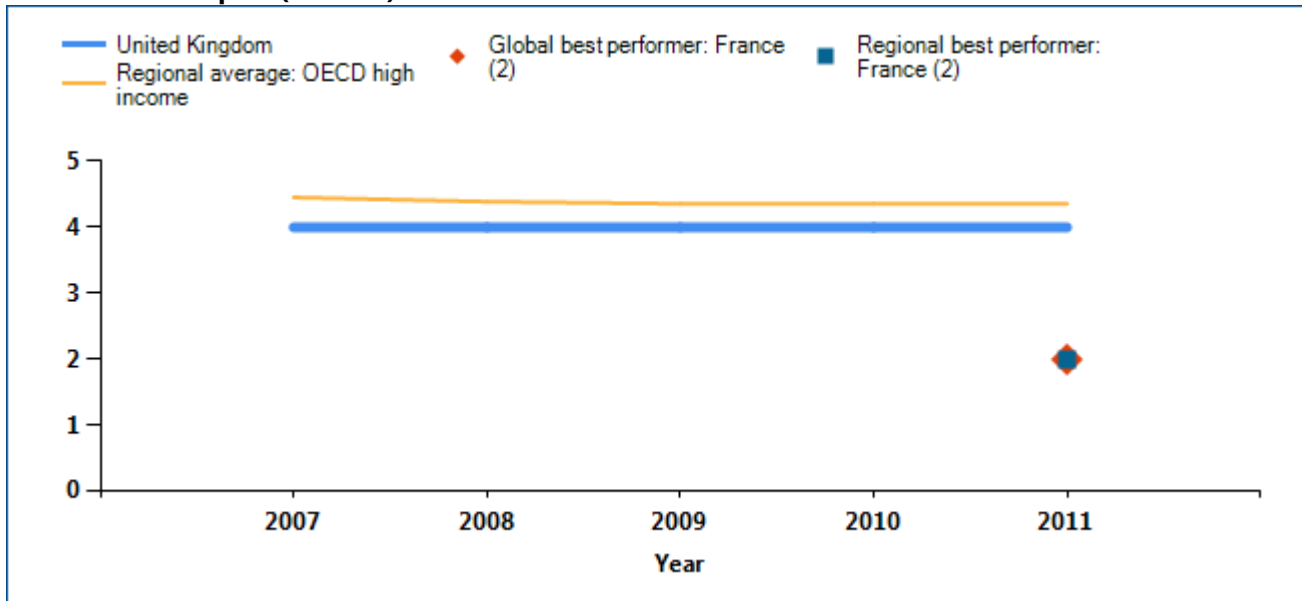
Equally helpful may be the benchmarks provided by the economies that today have the best performance regionally or globally on the documents, time or cost required to export or import (figure 9.2). These economies may provide a model for United Kingdom

on ways to improve the ease of trading across borders. And changes in regional averages can show where United Kingdom is keeping up—and where it is falling behind.

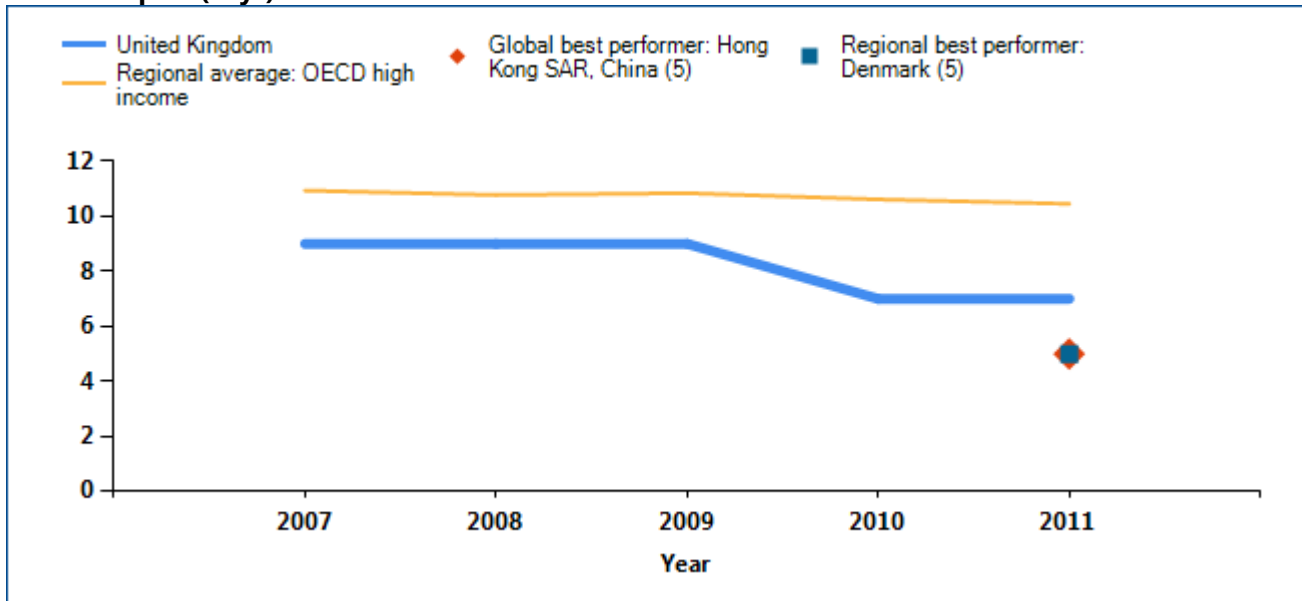
## TRADING ACROSS BORDERS

Figure 9.2 Has trading across borders become easier over time?

### Documents to export (number)

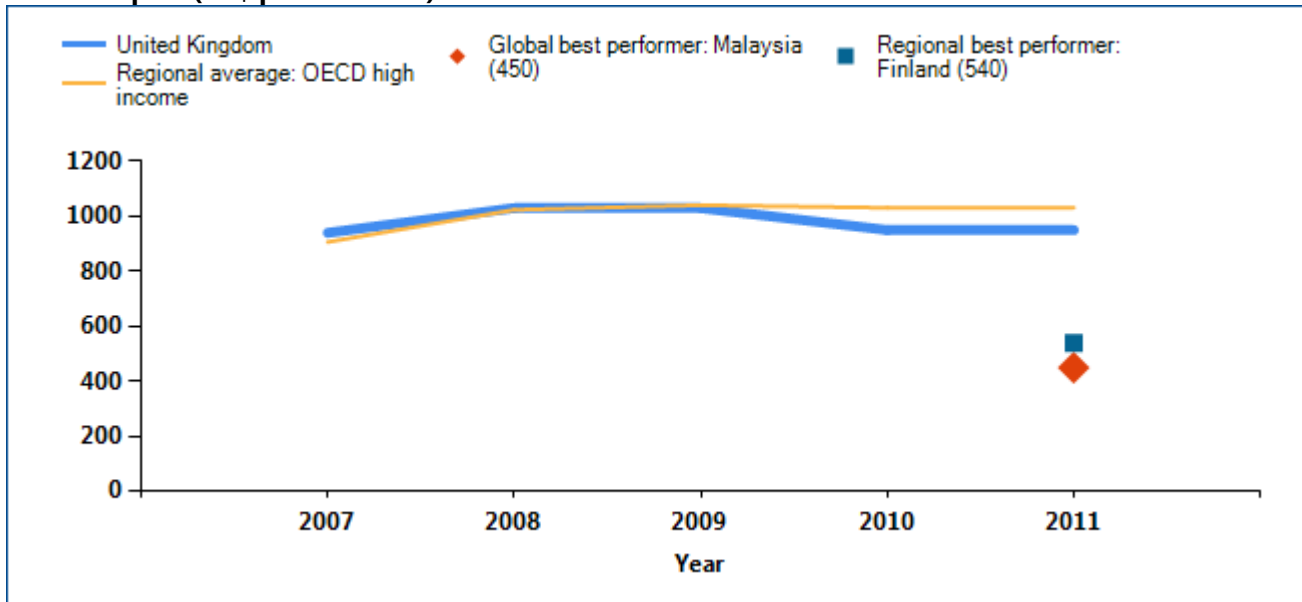


### Time to export (days)

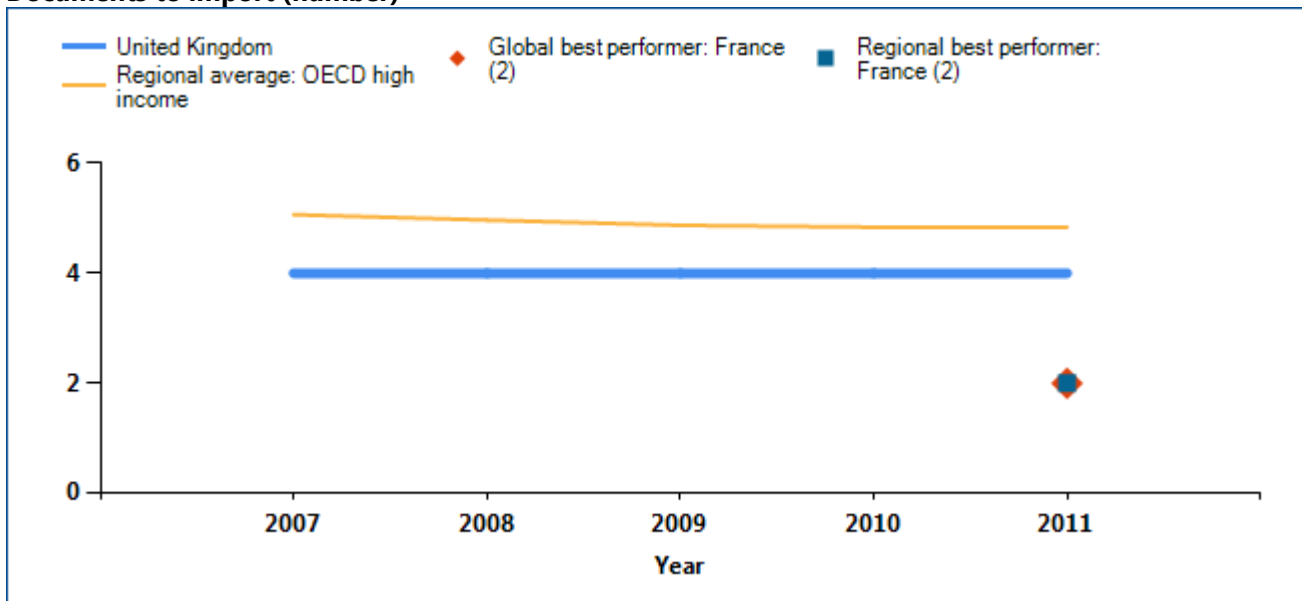


TRADING ACROSS BORDERS

Cost to export (US\$ per container)

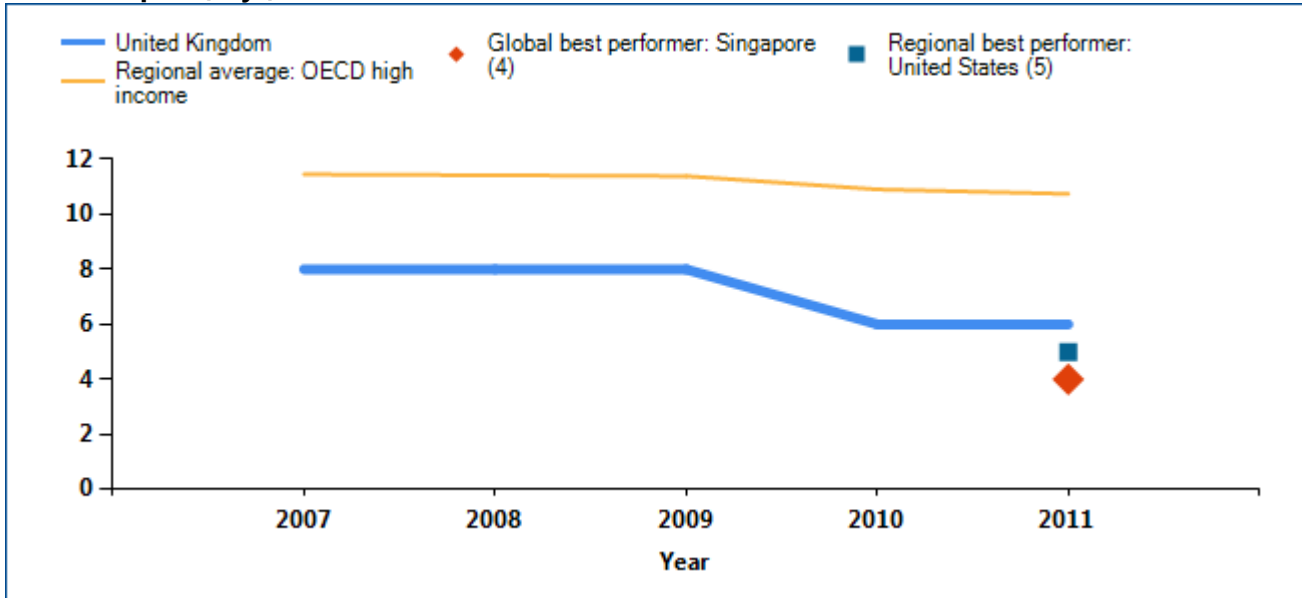


Documents to import (number)

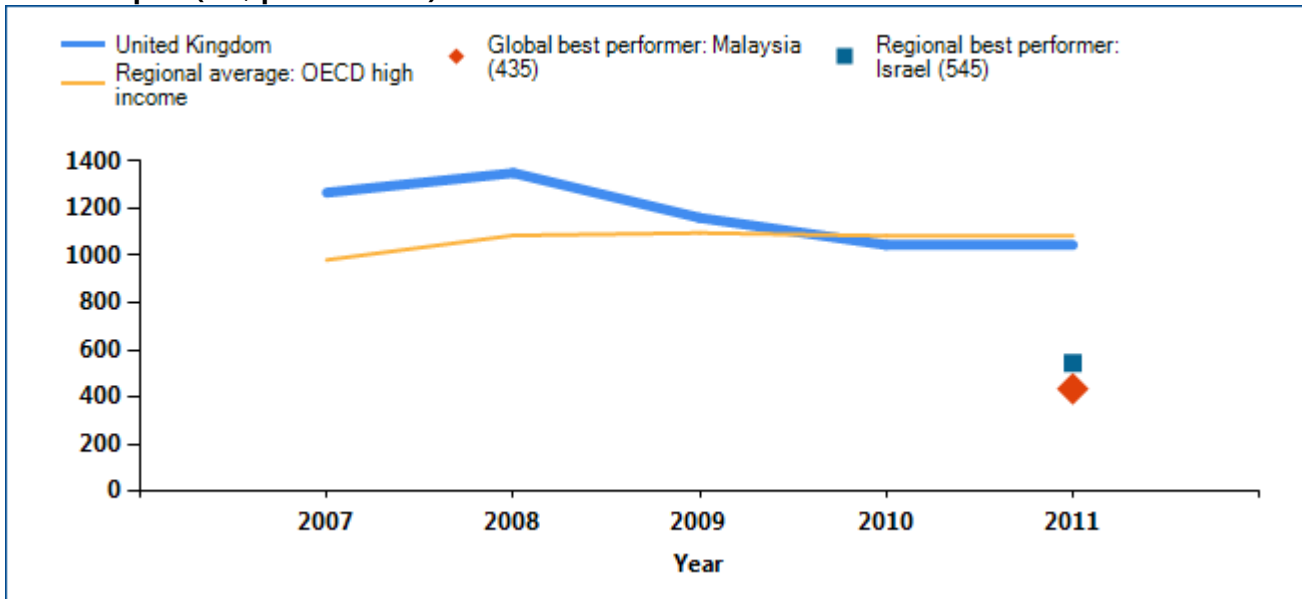


TRADING ACROSS BORDERS

Time to import (days)



Cost to import (US\$ per container)



Note: The economy with the best performance regionally on each indicator, and the economy with the best performance globally, are included as benchmarks. In some cases 2 or more economies share the top regional or global ranking on an indicator.

Source: Doing Business database.

## TRADING ACROSS BORDERS

In economies around the world, trading across borders as measured by *Doing Business* has become faster and easier over the years. Governments have introduced tools to facilitate trade—including single windows, risk-based inspections and electronic data interchange

systems. These changes help improve the trading environment and boost firms' international competitiveness. What trade reforms has *Doing Business* recorded in United Kingdom (table 9.2)?

Table 9.2 How has United Kingdom made trading across borders easier—or not?  
By *Doing Business* report year

DB Year	Reform
DB2012	No reform.
DB2011	No reform.
DB2010	No reform.
DB2009	No reform.

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.

## TRADING ACROSS BORDERS

### What are the details?

The indicators reported here for United Kingdom are based on a set of specific procedural requirements for trading a standard shipment of goods by ocean transport (see the section in this chapter on what the indicators cover). Information on the procedures as well as the required documents and the time and cost to complete each procedure is collected from local

freight forwarders, shipping lines, customs brokers, port officials and banks. The procedural requirements, 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.

#### Summary of procedures and documents for trading across borders in United Kingdom

Indicator	United Kingdom	OECD high income	OECD high income
Documents to export (number)	4		4
Time to export (days)	7		10
Cost to export (US\$ per container)	950		1,032
Documents to import (number)	4		5
Time to import (days)	6		11
Cost to import (US\$ per container)	1045		1,085

Procedures to export	Time (days)	Cost (US\$)
Documents preparation	2	125
Customs clearance and technical control	1	75
Ports and terminal handling	2	200
Inland transportation and handling	2	550
Totals	7	950

Procedures to import	Time (days)	Cost (US\$)
Documents preparation	2	180
Customs clearance and technical control	1	75
Ports and terminal handling	1	200
Inland transportation and handling	2	590
Totals	6	1045

## TRADING ACROSS BORDERS

<b>Documents to export</b>
Bill of Lading
Commercial invoice
Customs export declaration
Packing list

<b>Documents to import</b>
Bill of Lading
Commercial invoice
Customs import declaration
Packing list



## ENFORCING CONTRACTS

Well-functioning courts help businesses expand their network and markets. Without effective contract enforcement, people might well do business only with family, friends and others with whom they have established relationships. Where contract enforcement is efficient, firms are more likely to engage with new borrowers or customers, and they have greater access to credit.

### 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.
- 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 income per capita.
- The seller requests a pretrial attachment to secure the claim.

### WHAT THE ENFORCING CONTRACTS

#### INDICATORS MEASURE

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

Any interaction between the parties in a commercial dispute, or between them and the judge or court officer

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)

No bribes

Average attorney fees

Court costs, including expert fees

Enforcement costs

- 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.

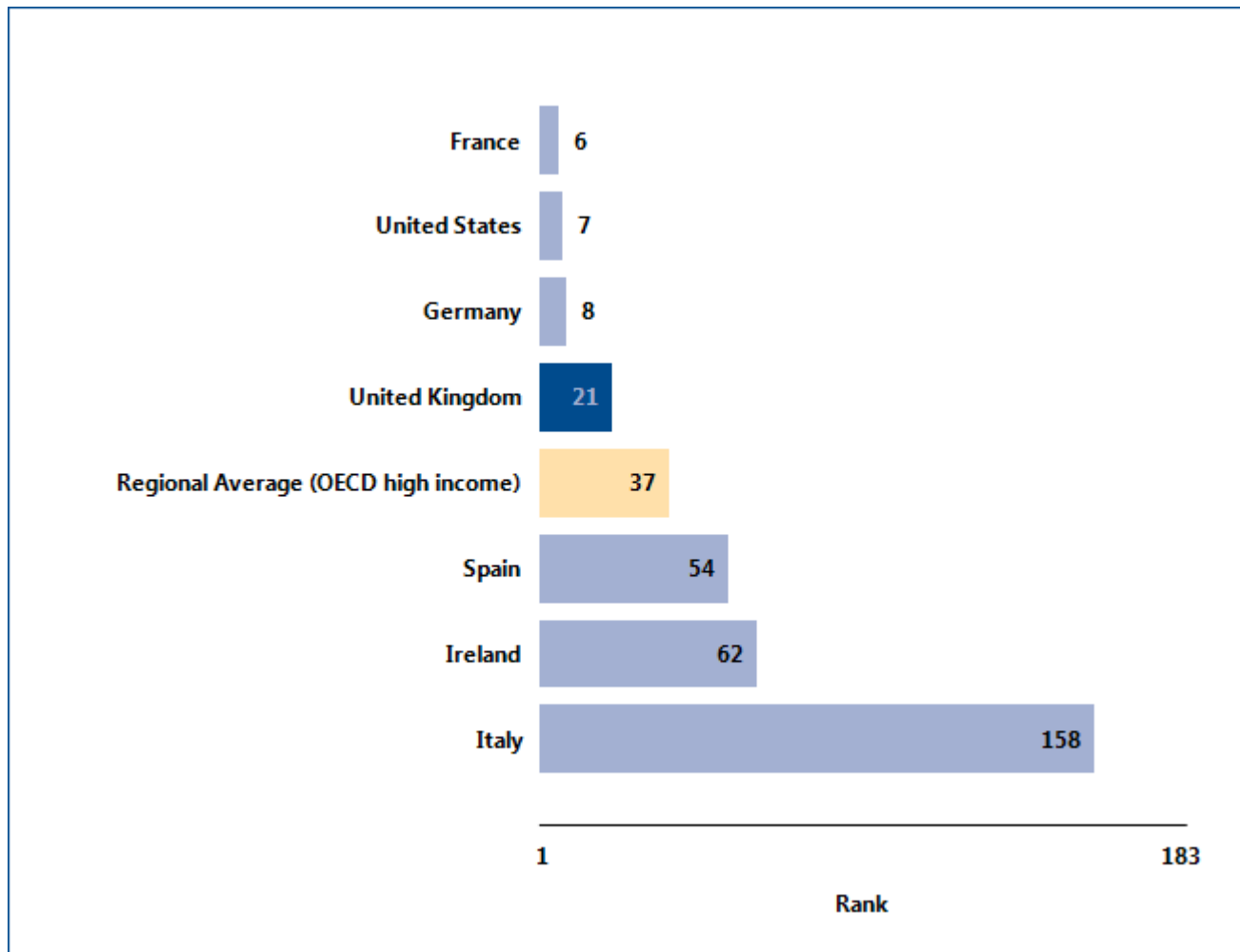
## ENFORCING CONTRACTS

### Where does the economy stand today?

How efficient is the process of resolving a commercial dispute through the courts in United Kingdom? According to data collected by *Doing Business*, enforcing a contract requires 28 procedures, takes 399 days and costs 24.8% of the value of the claim (see the summary at the end of this chapter for details).

Globally, United Kingdom stands at 21 in the ranking of 183 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 United Kingdom.

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



Source: *Doing Business* database.

## ENFORCING CONTRACTS

### What are the changes over time?

While the most recent *Doing Business* data reflect how easy (or difficult) it is to enforce a contract in United Kingdom today, data on the underlying indicators over

time help identify which areas have changed and where the potential for improvement is greatest (table 10.1).

Table 10.1 The ease of enforcing contracts in United Kingdom over time  
By *Doing Business* report year

Indicator	DB2004	DB2005	DB2006	DB2007	DB2008	DB2009	DB2010	DB2011	DB2012
Rank	..	..	..	..	..	..	..	22	21
Time (days)	404	404	404	404	404	404	399	399	399
Cost (% of claim)	21.9	21.9	23.4	23.4	23.4	23.4	23.4	23.4	24.8
Procedures (number)	30	30	30	30	30	30	30	28	28

Note: n.a. = not applicable (the economy was not included in *Doing Business* for that year). DB2012 rankings reflect changes to the methodology.

Source: *Doing Business* database.

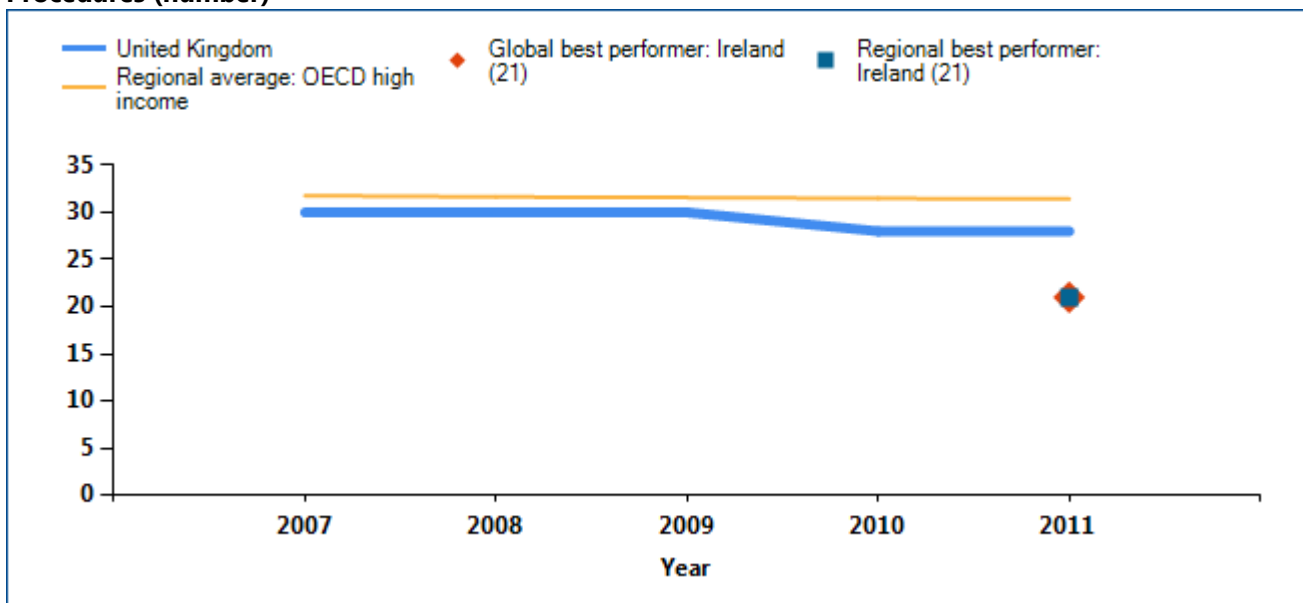
## ENFORCING CONTRACTS

Equally helpful may be the benchmarks provided by the economies that today have the best performance regionally or globally on the number of steps, time or cost required to enforce a contract through the courts (figure 10.2). These economies may provide a model

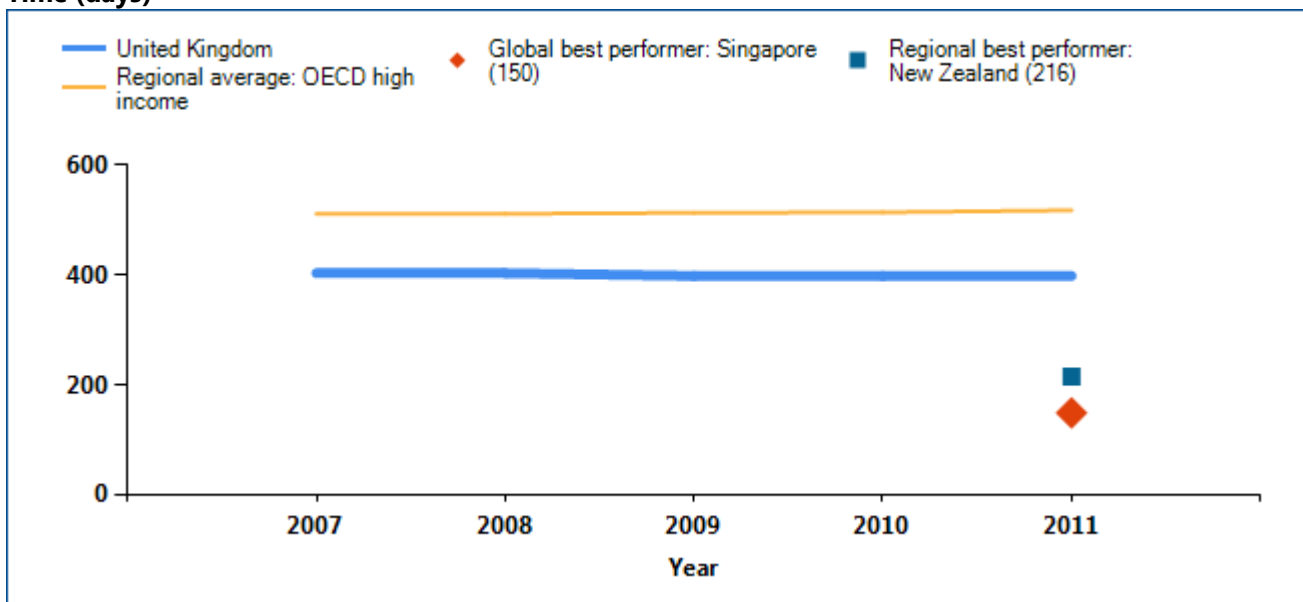
for United Kingdom on ways to improve the efficiency of contract enforcement. And changes in regional averages can show where United Kingdom is keeping up—and where it is falling behind.

Figure 10.2 Has enforcing contracts become easier over time?

### Procedures (number)

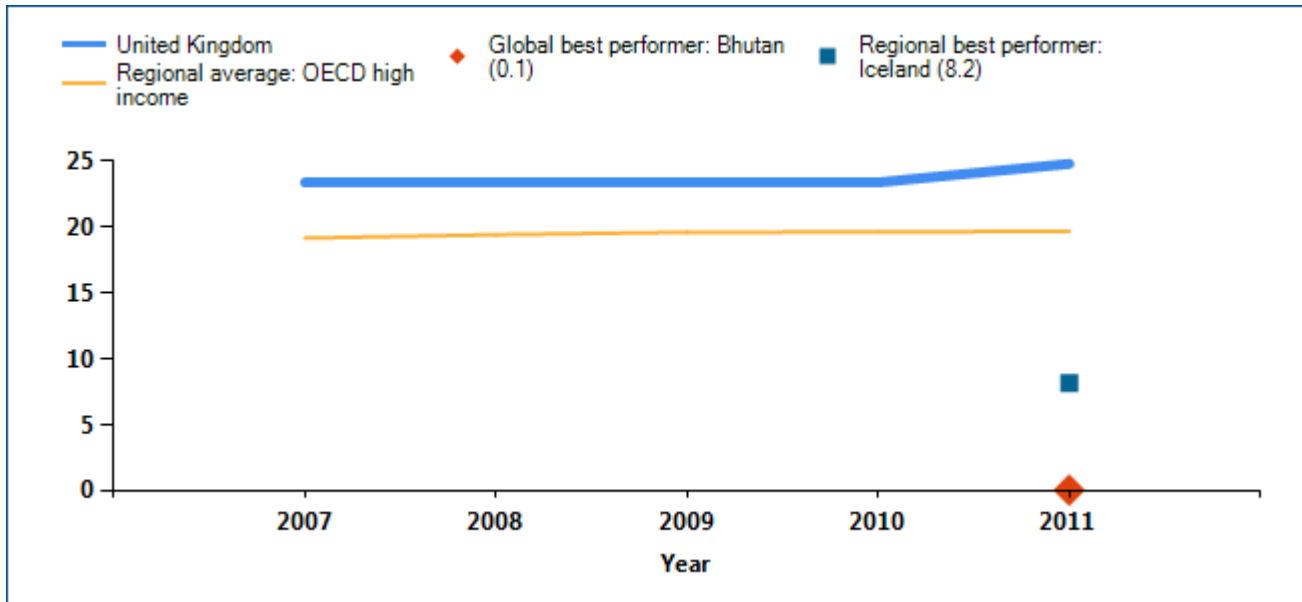


### Time (days)



## ENFORCING CONTRACTS

### Cost (% of claim)



Note: The economy with the best performance regionally on each indicator, and the economy with the best performance globally, are included as benchmarks. In some cases 2 or more economies share the top regional or global ranking on an indicator.

Source: *Doing Business* database.

## ENFORCING CONTRACTS

Economies in all regions have improved contract enforcement in recent years. A judiciary can be improved in different ways. Higher-income economies tend to look for ways to enhance efficiency by introducing new technology. Lower-income economies often work on reducing backlogs by introducing

periodic reviews to clear inactive cases from the docket and by making procedures faster. What reforms making it easier (or more difficult) to enforce contracts has *Doing Business* recorded in United Kingdom (table 10.2)?

Table 10.2 How has United Kingdom made enforcing contracts easier—or not?  
By *Doing Business* report year

DB Year	Reform
<b>DB2012</b>	No reform.
<b>DB2011</b>	The United Kingdom improved the process for enforcing contracts by modernizing civil procedures in the commercial court.
<b>DB2010</b>	No reform.
<b>DB2009</b>	No reform.

*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.

## ENFORCING CONTRACTS

### What are the details?

The indicators reported here for United Kingdom 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 surveys completed by local litigation lawyers (and, in a quarter of the economies covered by *Doing Business*, by judges as well). The procedures for resolving a commercial lawsuit, and the associated time and cost, are listed in the summary below.

#### Summary of procedures for enforcing a contract in United Kingdom—and the time and cost

Indicator	United Kingdom	OECD high income	OECD high income
<b>Time (days)</b>	399	518.03	518.03
<b>Filing and service</b>	30		
<b>Trial and judgment</b>	313		
<b>Enforcement of judgment</b>	56		
<b>Cost (% of claim)</b>	24.8	19.71	19.71
<b>Attorney cost (% of claim)</b>	21		
<b>Court cost (% of claim)</b>	2.6		
<b>Enforcement Cost (% of claim)</b>	1.2219		
<b>Procedures (number)</b>	28	31.42	31.42

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 entities. It 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.

The ranking on the ease of resolving insolvency is based on the recovery rate, which is recorded as cents on the dollar recouped by creditors through reorganization, liquidation or debt enforcement (foreclosure) proceedings. The recovery rate is a function of time, cost and other factors, such as lending rate and the likelihood of the company continuing to operate.

To make the data comparable across economies, *Doing Business* uses several assumptions about the business and the case. It assumes that the company:

- Is a domestically owned, limited liability company operating a hotel.
- Operates in the economy's largest business city.

### 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

#### Recovery rate for creditors (cents on the dollar)

Measures the cents on the dollar recovered by creditors

Present value of debt recovered

Official costs of the insolvency proceedings are deducted

Depreciation of furniture is taken into account

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

- Has 201 employees, 1 main secured creditor and 50 unsecured creditors.
- Has a higher value as a going concern—and the efficient outcome is either reorganization or sale as a going concern, not piecemeal liquidation.



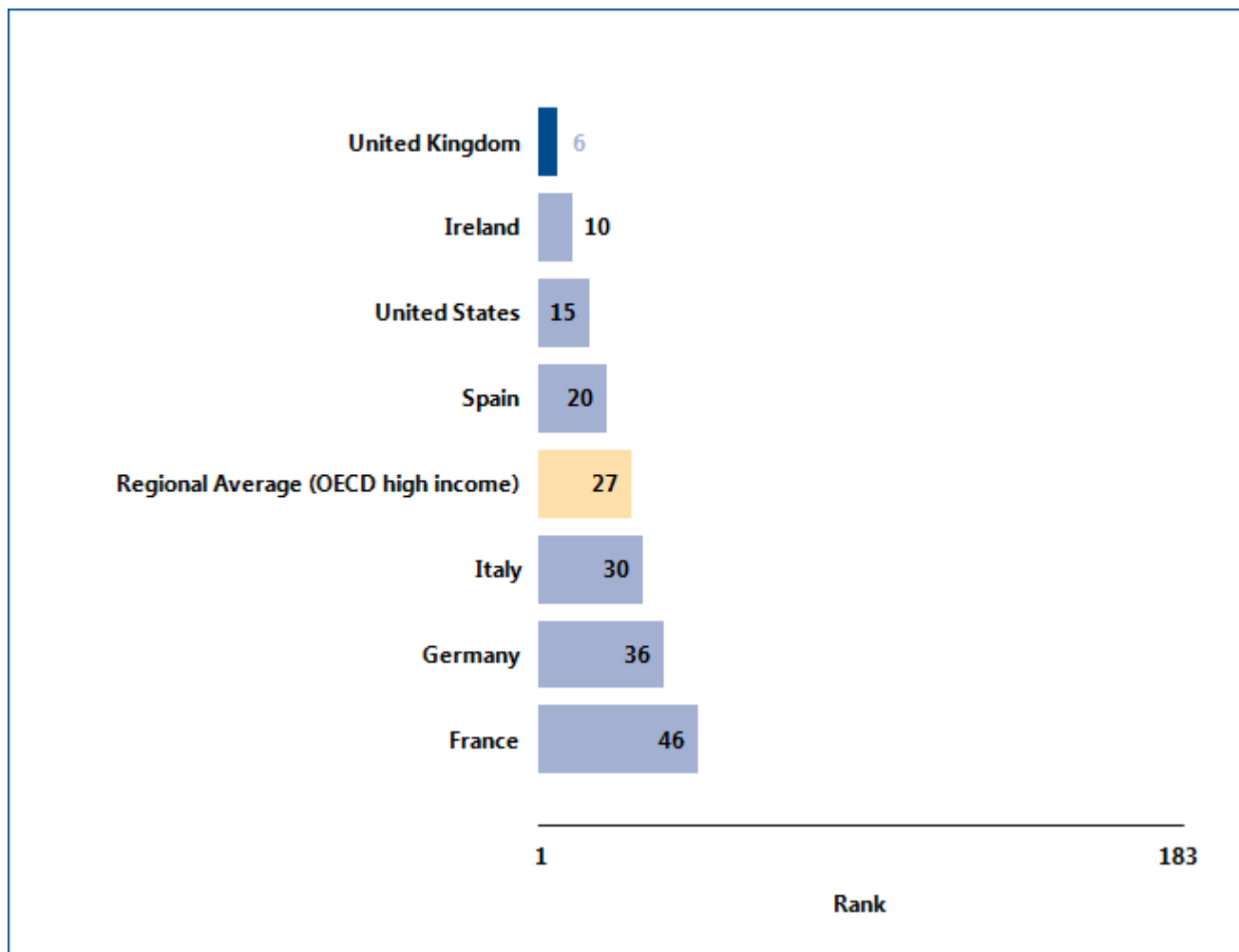
## RESOLVING INSOLVENCY

### Where does the economy stand today?

Speed, low costs and continuation of viable businesses characterize the top-performing economies. How efficient are insolvency proceedings in United Kingdom? According to data collected by *Doing Business*, resolving insolvency takes 1.0 years on average and costs 6% of the debtor's estate. The average recovery rate is 88.6 cents on the dollar.

Globally, United Kingdom stands at 6 in the ranking of 183 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 United Kingdom.

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



Source: *Doing Business* database.

## RESOLVING INSOLVENCY

## What are the changes over time?

While the most recent *Doing Business* data reflect the efficiency of insolvency proceedings in United Kingdom today, data over time show where the efficiency has changed—and where it has not (table 11.1). That can help identify where the potential for improvement is greatest.

Table 11.1 The ease of resolving insolvency in United Kingdom over time  
By *Doing Business* report year

Indicator	DB2004	DB2005	DB2006	DB2007	DB2008	DB2009	DB2010	DB2011	DB2012
Rank	..	..	..	..	..	..	..	7	6
Time (years)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Cost (% of estate)	6	6	6	6	6	6	6	6	6
Recovery rate (cents on the dollar)	85.6	85.8	85.3	85.2	84.6	84.2	84.2	88.6	88.6

Note: n.a. = not applicable (the economy was not included in *Doing Business* for that year). DB2012 rankings reflect changes to the methodology. "No practice" indicates that in each of the previous 5 years the economy had no cases involving a judicial reorganization, judicial liquidation or debt enforcement procedure (foreclosure). This means that creditors are unlikely to recover their money through a formal legal process (in or out of court). The recovery rate for "no practice" economies is 0.

Source: *Doing Business* database.

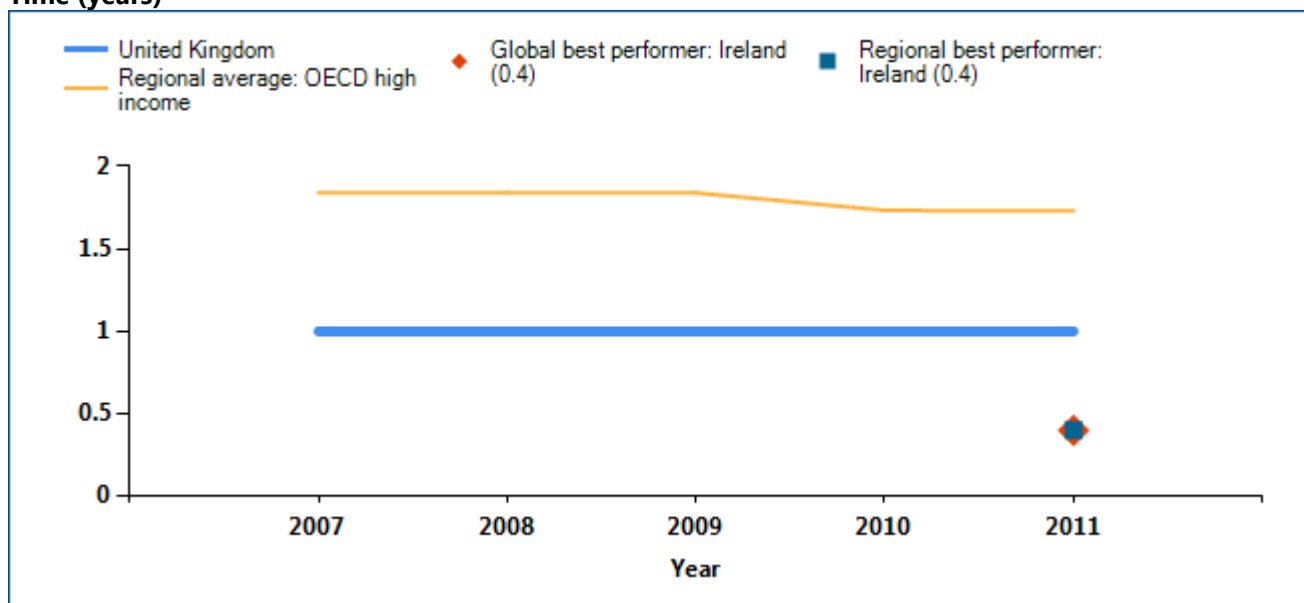
## RESOLVING INSOLVENCY

Equally helpful may be the benchmarks provided by the economies that today have the best performance regionally or globally on the time or cost of insolvency proceedings or on the recovery rate (figure 11.2). These economies may provide a model for United

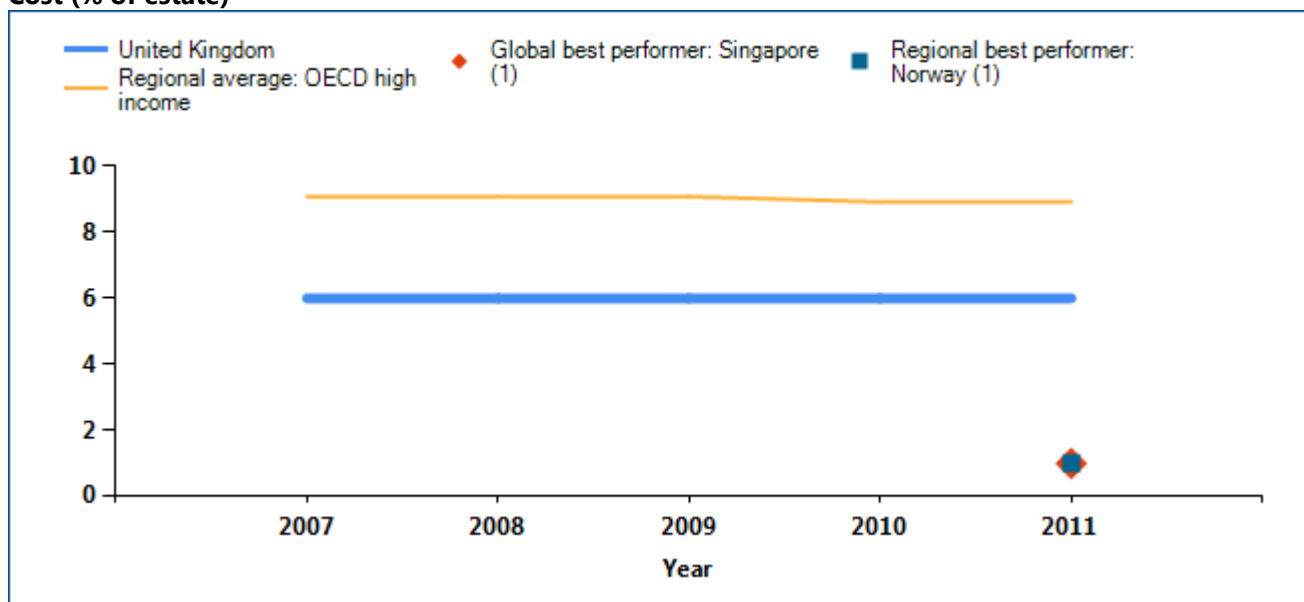
Kingdom on ways to improve the efficiency of insolvency proceedings. And changes in regional averages can show where United Kingdom is keeping up—and where it is falling behind.

Figure 11.2 Has resolving insolvency become easier over time?

### Time (years)

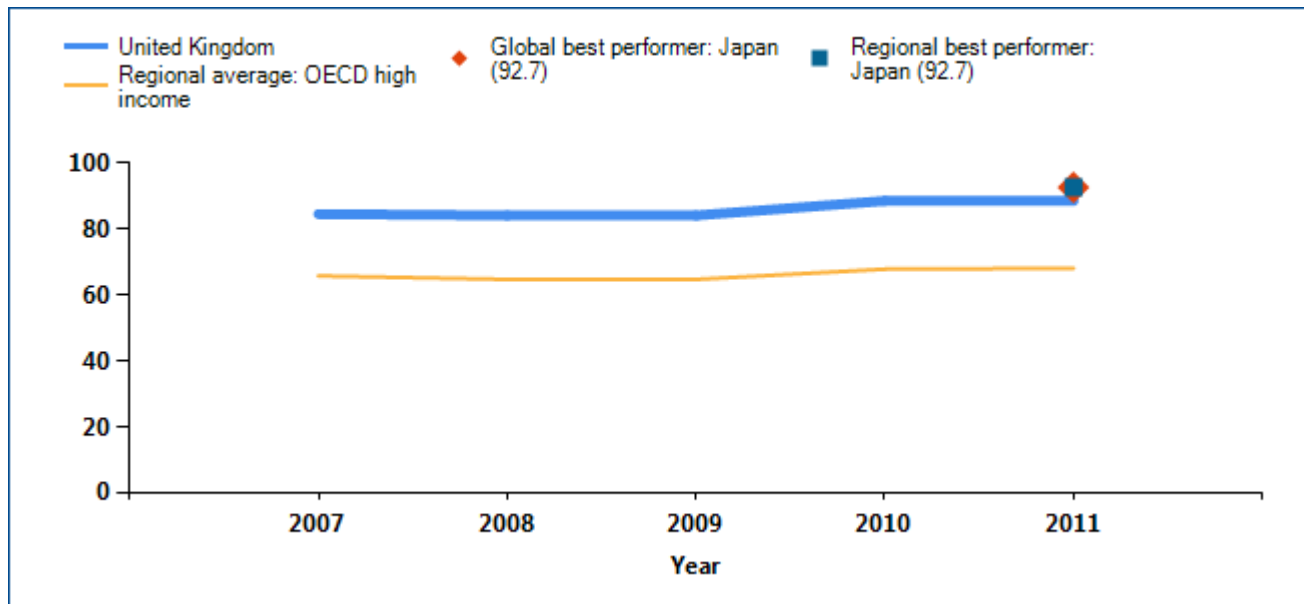


### Cost (% of estate)



## RESOLVING INSOLVENCY

### Recovery rate (cents on the dollar)



*Note:* The economy with the best performance regionally on each indicator, and the economy with the best performance globally, are included as benchmarks. In some cases 2 or more economies share the top regional or global ranking on an indicator. In cases where no data are displayed above for the economy, this indicates that the economy has received a “no practice” mark; see the data notes for details.

*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 United Kingdom (table 11.2)?

Table 11.2 How has United Kingdom made resolving insolvency easier—or not?  
By *Doing Business* report year

DB Year	Reform
DB2012	No reform.
DB2011	Amendments to the United Kingdom's insolvency rules streamline bankruptcy procedures, favor the sale of the firm as a whole and improve the calculation of administrators' fees.
DB2010	No reform.
DB2009	No reform.

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.

## DATA NOTES

The indicators presented and analyzed in *Doing Business* measure business regulation and the protection of property rights—and their effect on businesses, especially small and medium-size domestic firms. First, the indicators document the complexity of regulation, such as the number of procedures to start a business or to register and transfer commercial property. Second, they gauge the time and cost of achieving a regulatory goal or complying with regulation, such as the time and cost to enforce a contract, go through bankruptcy or trade across borders. Third, they measure the extent of legal protections of property, for example, the protections of investors against looting by company directors or the range of assets that can be used as collateral according to secured transactions laws. Fourth, a set of indicators documents the tax burden on businesses. Finally, a set of data covers different aspects of employment regulation.

The data for all sets of indicators in *Doing Business 2012* are for June 2011.<sup>3</sup>

### Methodology

The *Doing Business* data are collected in a standardized way. To start, the *Doing Business* team, with academic advisers, designs a questionnaire. The questionnaire uses a simple business case to ensure comparability across economies and over time—with assumptions about the legal form of the business, its size, its location and the nature of its operations. Questionnaires are administered through more than 9,028 local experts, including lawyers, business consultants, accountants, freight forwarders, government officials and other professionals routinely administering or advising on legal and regulatory requirements. These experts have several rounds of interaction with the *Doing Business* team, involving conference calls, written correspondence and visits by the team. For *Doing Business 2012* team members visited 40 economies to verify data and recruit respondents. The data from questionnaires are subjected to numerous rounds of verification, leading to revisions or expansions of the information collected.

<sup>3</sup> The data for paying taxes refer to January – December 2010.

## ECONOMY CHARACTERISTICS

### Gross national income (GNI) per capita

*Doing Business 2012* reports 2010 income per capita as published in the World Bank's *World Development Indicators 2011*. Income is calculated using the Atlas method (current US\$). For cost indicators expressed as a percentage of income per capita, 2010 GNI in U.S. dollars is used as the denominator. Data were not available from the World Bank for Afghanistan; Australia; The Bahamas; Bahrain; Brunei Darussalam; Canada; Cyprus; Djibouti; the Islamic Republic of Iran; Kuwait; New Zealand; Oman; Puerto Rico (territory of the United States); Qatar; Saudi Arabia; Suriname; Taiwan, China; the United Arab Emirates; West Bank and Gaza; and the Republic of Yemen. In these cases GDP or GNP per capita data and growth rates from the International Monetary Fund's World Economic Outlook database and the Economist Intelligence Unit were used.

### Region and income group

*Doing Business* uses the World Bank regional and income group classifications, available at <http://www.worldbank.org/data/countryclass>. The World Bank does not assign regional classifications to high-income economies. For the purpose of the *Doing Business* report, high-income OECD economies are assigned the "regional" classification *OECD high income*. Figures and tables presenting regional averages include economies from all income groups (low, lower middle, upper middle and high income).

### Population

*Doing Business 2012* reports midyear 2010 population statistics as published in *World Development Indicators 2011*.

The *Doing Business* methodology offers several advantages. It is transparent, using factual information about what laws and regulations say and allowing multiple interactions with local respondents to clarify potential misinterpretations of questions. Having representative samples of respondents is not an issue;

*Doing Business* is not a statistical survey, and the texts of the relevant laws and regulations are collected and answers checked for accuracy. The methodology is inexpensive and easily replicable, so data can be collected in a large sample of economies. Because standard assumptions are used in the data collection, comparisons and benchmarks are valid across economies. Finally, the data not only highlight the extent of specific regulatory obstacles to business but also identify their source and point to what might be reformed.

Information on the methodology for each *Doing Business* topic can be found on the *Doing Business* website at <http://www.doingbusiness.org/methodology/>.

## Limits to what is measured

The *Doing Business* methodology has 5 limitations that should be considered when interpreting the data. First, the collected data refer to businesses in the economy's largest business city and may not be representative of regulation in other parts of the economy. To address this limitation, subnational *Doing Business* indicators were created (see the section on subnational *Doing Business* indicators). Second, the data often focus on a specific business form—generally a limited liability company (or its legal equivalent) of a specified size—and may not be representative of the regulation on other businesses, for example, sole proprietorships. Third, transactions described in a standardized case scenario refer to a specific set of issues and may not represent the full set of issues a business encounters. Fourth, the measures of time involve an element of judgment by the expert respondents. When sources indicate different estimates, the time indicators reported in *Doing Business* represent the median values of several responses given under the assumptions of the standardized case.

Finally, the methodology assumes that a business has full information on what is required and does not waste time when completing procedures. In practice, completing a procedure may take longer if the business lacks information or is unable to follow up promptly. Alternatively, the business may choose to disregard some burdensome procedures. For both reasons the time delays reported in *Doing Business 2012* would differ from the recollection of

entrepreneurs reported in the World Bank Enterprise Surveys or other perception surveys.

## Subnational *Doing Business* indicators

This year *Doing Business* published a subnational study for the Philippines and a regional report for Southeast Europe covering 7 economies (Albania, Bosnia and Herzegovina, Kosovo, the former Yugoslav Republic of Macedonia, Moldova, Montenegro and Serbia) and 22 cities. It also published a city profile for Juba, in the Republic of South Sudan.

The subnational studies point to differences in business regulation and its implementation—as well as in the pace of regulatory reform—across cities in the same economy. For several economies subnational studies are now periodically updated to measure change over time or to expand geographic coverage to additional cities. This year that is the case for the subnational studies in the Philippines; the regional report in Southeast Europe; the ongoing studies in Italy, Kenya and the United Arab Emirates; and the projects implemented jointly with local think tanks in Indonesia, Mexico and the Russian Federation.

Besides the subnational *Doing Business* indicators, *Doing Business* conducted a pilot study this year on the second largest city in 3 large economies to assess within-country variations. The study collected data for Rio de Janeiro in addition to São Paulo in Brazil, for Beijing in addition to Shanghai in China and for St. Petersburg in addition to Moscow in Russia.

## Changes in what is measured

The methodology for 3 of the *Doing Business* topics was updated this year—getting credit, dealing with construction permits and paying taxes.

First, for getting credit, the scoring of one of the 10 components of the strength of legal rights index was amended to recognize additional protections of secured creditors and borrowers. Previously the highest score of 1 was assigned if secured creditors were not subject to an automatic stay or moratorium on enforcement procedures when a debtor entered a court-supervised reorganization procedure. Now the highest score of 1 is also assigned if the law provides secured creditors with grounds for relief from an

automatic stay or moratorium (for example, if the movable property is in danger) or sets a time limit for the automatic stay.

Second, because the ease of doing business index now includes the getting electricity indicators, procedures, time and cost related to obtaining an electricity connection were removed from the dealing with construction permits indicators.

Third, a threshold has been introduced for the total tax rate for the purpose of calculating the ranking on the ease of paying taxes. All economies with a total tax rate below the threshold (which will be calculated and adjusted on a yearly basis) will now receive the same ranking on the total tax rate indicator. The threshold is not based on any underlying theory. Instead, it is meant to emphasize the purpose of the indicator: to highlight economies where the tax burden on business is high relative to the tax burden in other economies. Giving the same ranking to all economies whose total tax rate is below the threshold avoids awarding economies in the scoring for having an unusually low total tax rate, often for reasons unrelated to government policies toward enterprises. For example, economies that are very small or that are rich in natural resources do not need to levy broad-based taxes.

## Data challenges and revisions

Most laws and regulations underlying the *Doing Business* data are available on the *Doing Business* website at <http://www.doingbusiness.org>. All the sample questionnaires and the details underlying the indicators are also published on the website. Questions on the methodology and challenges to data can be submitted through the website's "Ask a Question" function at <http://www.doingbusiness.org>.

## Ease of doing business and distance to frontier

This year's report presents results for 2 aggregate measures: the aggregate ranking on the ease of doing business and a new measure, the "distance to frontier." While the ease of doing business ranking compares economies with one another at a point in time, the distance to frontier measure shows how much the

regulatory environment for local entrepreneurs in each economy has changed over time.

### Ease of doing business

The ease of doing business index ranks economies from 1 to 183. For each economy the ranking is calculated as the simple average of the percentile rankings on each of the 10 topics included in the index in *Doing Business 2012*: starting a business, dealing with construction permits, registering property, getting credit, protecting investors, paying taxes, trading across borders, enforcing contracts, resolving insolvency and, new this year, getting electricity. The employing workers indicators are not included in this year's aggregate ease of doing business ranking. In addition to this year's ranking, *Doing Business* presents a comparable ranking for the previous year, adjusted for any changes in methodology as well as additions of economies or topics.<sup>4</sup>

### Construction of the ease of doing business index

Here is one example of how the ease of doing business index is constructed. In the Republic of Korea it takes 5 procedures, 7 days and 14.6% of annual income per capita in fees to open a business. There is no minimum capital required. On these 4 indicators Korea ranks in the 18<sup>th</sup>, 14<sup>th</sup>, 53<sup>rd</sup> and 0 percentiles. So on average Korea ranks in the 21<sup>st</sup> percentile on the ease of starting a business. It ranks in the 12<sup>th</sup> percentile on getting credit, 25<sup>th</sup> percentile on paying taxes, 8<sup>th</sup> percentile on enforcing contracts, 7<sup>th</sup> percentile on resolving insolvency and so on. Higher rankings indicate simpler regulation and stronger protection of property rights. The simple average of Korea's percentile rankings on all topics is 21<sup>st</sup>. When all economies are ordered by their average percentile rankings, Korea stands at 8 in the aggregate ranking on the ease of doing business.

More complex aggregation methods—such as principal components and unobserved components—

<sup>4</sup> In case of revisions to the methodology or corrections to the underlying data, the data are back-calculated to provide a comparable time series since the year the relevant economy or topic was first included in the data set. The time series is available on the *Doing Business* website (<http://www.doingbusiness.org>). The *Doing Business* report publishes yearly rankings for the year of publication as well as the previous year to shed light on year-to-year developments. Six topics and more than 50 economies have been added since the inception of the project. Earlier rankings on the ease of doing business are therefore not comparable.



yield a ranking nearly identical to the simple average used by *Doing Business*.<sup>5</sup> Thus, *Doing Business* uses the simplest method: weighting all topics equally and, within each topic, giving equal weight to each of the topic components.<sup>6</sup>

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.

The ease of doing business index is limited in scope. It does not account for an economy’s proximity to large markets, the quality of its infrastructure services (other than services related to trading across borders and getting electricity), the strength of its financial system, the security of property from theft and looting, its macroeconomic conditions or the strength of underlying institutions.

#### *Variability of economies’ rankings across topics*

Each indicator set measures a different aspect of the business regulatory environment. The rankings of an economy can vary, sometimes significantly, across indicator sets. The average correlation coefficient between the 10 indicator sets included in the aggregate ranking is 0.36, and the coefficients between any 2 sets of indicators range from 0.17 (between protecting investors and getting electricity) to 0.57 (between starting a business and protecting investors). These correlations suggest that economies rarely score universally well or universally badly on the indicators.

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<sup>5</sup> See Simeon Djankov, Darshini Manraj, Caralee McLiesh and Rita Ramalho, “*Doing Business* Indicators: Why Aggregate, and How to Do It” (World Bank, Washington, DC, 2005). Principal components and unobserved components methods yield a ranking nearly identical to 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>6</sup> A technical note on the different aggregation and weighting methods is available on the *Doing Business* website (<http://www.doingbusiness.org>).

Consider the example of Canada. It stands at 12 in the aggregate ranking on the ease of doing business. Its ranking is 3 on both starting a business and resolving insolvency, and 5 on protecting investors. But its ranking is only 59 on enforcing contracts, 42 on trading across borders and 156 on getting electricity.

Variation in performance across the indicator sets is not at all unusual. It reflects differences in the degree of priority that government authorities give to particular areas of business regulation reform and the ability of different government agencies to deliver tangible results in their area of responsibility.

#### *Economies that improved the most across 3 or more Doing Business topics in 2010/11*

*Doing Business 2012* uses a simple method to calculate which economies improved the most in the ease of doing business. First, it selects the economies that in 2010/11 implemented regulatory reforms making it easier to do business in 3 or more of the 10 topics included in this year’s ease of doing business ranking.<sup>7</sup> Thirty economies meet this criterion: Armenia, Burkina Faso, Burundi, Cape Verde, the Central African Republic, Chile, Colombia, the Democratic Republic of Congo, Côte d’Ivoire, The Gambia, Georgia, Korea, Latvia, Liberia, FYR Macedonia, Mexico, Moldova, Montenegro, Morocco, Nicaragua, Oman, Peru, Russia, São Tomé and Príncipe, Senegal, Sierra Leone, Slovenia, the Solomon Islands, South Africa and Ukraine. Second, *Doing Business* ranks these economies on the increase in their ranking on the ease of doing business from the previous year using comparable rankings.

Selecting the economies that implemented regulatory reforms in at least 3 topics and improved the most in the aggregate ranking is intended to highlight economies with ongoing, broad-based reform programs.

#### **Distance to frontier measure**

This year’s report introduces a new measure to illustrate how the regulatory environment for local businesses in each economy has changed over time. The distance to frontier measure illustrates the distance of an economy to the “frontier” and shows

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<sup>7</sup> *Doing Business* reforms making it more difficult to do business are subtracted from the total number of those making it easier to do business.

the extent to which the economy has closed this gap over time. The frontier is a score derived from the most efficient practice or highest score achieved on each of the component indicators in 9 *Doing Business* indicator sets (excluding the employing workers and getting electricity indicators) by any economy since 2005. In starting a business, for example, New Zealand has achieved the highest performance on the time (1 day), Canada and New Zealand on the number of procedures required (1), Denmark and Slovenia on the cost (0% of income per capita) and Australia on the paid-in minimum capital requirement (0% of income per capita).

Calculating the distance to frontier for each economy involves 2 main steps. First, individual indicator scores are normalized to a common unit. To do so, each of the 32 component indicators  $y$  is rescaled to  $(y - \min)/(max - \min)$ , with the minimum value (min) representing the frontier—the highest performance on that indicator across all economies since 2005. Second, for each economy the scores obtained for individual indicators are aggregated through simple averaging into one distance to frontier score. An economy's distance to the frontier is indicated on a scale from 0 to 100, where 0 represents the frontier and 100 the lowest performance.

The difference between an economy's distance to frontier score in 2005 and its score in 2011 illustrates the extent to which the economy has closed the gap to the frontier over time.

The maximum (max) and minimum (min) observed values are computed for the 174 economies included in the *Doing Business* sample since 2005 and for all years (from 2005 to 2011). The year 2005 was chosen as the baseline for the economy sample because it was the first year in which data were available for the majority of economies (a total of 174) and for all 9 indicator sets included in the measure. To mitigate the effects of extreme outliers in the distributions of the rescaled data (very few economies need 694 days to complete the procedures to start a business, but many need 9 days), the maximum (max) is defined as the 95<sup>th</sup> percentile of the pooled data for all economies and all years for each indicator.

Take Colombia, which has a score of 0.21 on the distance to frontier measure for 2011. This score indicates that the economy is 21 percentage points away from the frontier constructed from the best performances across all economies and all years. Colombia was further from the frontier in 2005, with a score of 0.43. The difference between the scores shows an improvement over time.

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