

Economy Profile
Liechtenstein*

Doing Business 2020

Comparing Business
Regulation in
190 Economies



WORLD BANK GROUP

Economy Profile of Liechtenstein*

*Doing Business 2020 Indicators
(in order of appearance in the document)*

Starting a business	Procedures, time, cost and paid-in minimum capital to start a limited liability company
Dealing with construction permits	Procedures, time and cost to complete all formalities to build a warehouse and the quality control and safety mechanisms in the construction permitting system
Getting electricity	Procedures, time and cost to get connected to the electrical grid, and the reliability of the electricity supply and the transparency of tariffs
Registering property	Procedures, time and cost to transfer a property and the quality of the land administration system
Getting credit	Movable collateral laws and credit information systems
Protecting minority investors	Minority shareholders' rights in related-party transactions and in corporate governance
Paying taxes	Payments, time, total tax and contribution rate for a firm to comply with all tax regulations as well as postfiling processes
Trading across borders	Time and cost to export the product of comparative advantage and import auto parts
Enforcing contracts	Time and cost to resolve a commercial dispute and the quality of judicial processes
Resolving insolvency	Time, cost, outcome and recovery rate for a commercial insolvency and the strength of the legal framework for insolvency
Employing workers	Flexibility in employment regulation and redundancy cost

About Doing Business

The *Doing Business* project provides objective measures of business regulations and their enforcement across 190 economies and selected cities at the subnational and regional level.

The *Doing Business* project, launched in 2002, looks at domestic small and medium-size companies and measures the regulations applying to them through their life cycle.

Doing Business captures several important dimensions of the regulatory environment as it applies to local firms. It provides quantitative indicators on regulation for starting a business, dealing with construction permits, getting electricity, registering property, getting credit, protecting minority investors, paying taxes, trading across borders, enforcing contracts and resolving insolvency. *Doing Business* also measures features of employing workers. Although *Doing Business* does not present rankings of economies on the employing workers indicators or include the topic in the aggregate ease of doing business score or ranking on the ease of doing business, it does present the data for these indicators.

By gathering and analyzing comprehensive quantitative data to compare business regulation environments across economies and over time, *Doing Business* encourages economies to compete towards more efficient regulation; offers measurable benchmarks for reform; and serves as a resource for academics, journalists, private sector researchers and others interested in the business climate of each economy.

In addition, *Doing Business* offers detailed [subnational studies](#), which exhaustively cover business regulation and reform in different cities and regions within a nation. These studies provide data on the ease of doing business, rank each location, and recommend reforms to improve performance in each of the indicator areas. Selected cities can compare their business regulations with other cities in the economy or region and with the 190 economies that *Doing Business* has ranked.

The first *Doing Business* study, published in 2003, covered 5 indicator sets and 133 economies. This year's study covers 11 indicator sets and 190 economies. Most indicator sets refer to a case scenario in the largest business city of each economy, except for 11 economies that have a population of more than 100 million as of 2013 (Bangladesh, Brazil, China, India, Indonesia, Japan, Mexico, Nigeria, Pakistan, the Russian Federation and the United States) where *Doing Business* also collected data for the second largest business city. The data for these 11 economies are a population-weighted average for the 2 largest business cities. The project has benefited from feedback from governments, academics, practitioners and reviewers. The initial goal remains: to provide an objective basis for understanding and improving the regulatory environment for business around the world.

To learn more about *Doing Business* please visit doingbusiness.org

Ease of Doing Business in
Liechtenstein*



*Liechtenstein is not included in Doing Business 2020 ranking. Data are published for research purposes.

Region	Europe & Central Asia
Income Category	High income
Population	37,910
City Covered	Schaan

DB RANK

DB SCORE



Rankings on Doing Business topics - Liechtenstein*



Starting a Business



Dealing with Construction Permits



Getting Electricity



Registering Property



Getting Credit



Protecting Minority Investors



Paying Taxes



Trading across Borders



Enforcing Contracts



Resolving Insolvency

Topic Scores



Starting a Business (rank)	null
Score of starting a business (0-100)	73.0
Procedures (number)	10
Time (days)	46
Cost (number)	2.2
Paid-in min. capital (% of income per capita)	32.7

Dealing with Construction Permits (rank)	null
Score of dealing with construction permits (0-100)	83.5
Procedures (number)	8
Time (days)	138
Cost (% of warehouse value)	0.3
Building quality control index (0-15)	12.0

Getting Electricity (rank)	null
Score of getting electricity (0-100)	96.3
Procedures (number)	3
Time (days)	52
Cost (% of income per capita)	7.9
Reliability of supply and transparency of tariff index (0-8)	8

Registering Property (rank)	null
Score of registering property (0-100)	74.6
Procedures (number)	8
Time (days)	17
Cost (% of property value)	1.1
Quality of the land administration index (0-30)	21.5

Getting Credit (rank)	null
Score of getting credit (0-100)	15.0
Strength of legal rights index (0-12)	3
Depth of credit information index (0-8)	0
Credit registry coverage (% of adults)	0.0
Credit bureau coverage (% of adults)	0.0

Protecting Minority Investors (rank)	null
Score of protecting minority investors (0-100)	30.0
Extent of disclosure index (0-10)	2.0
Extent of director liability index (0-10)	8.0
Ease of shareholder suits index (0-10)	5.0
Extent of shareholder rights index (0-6)	0.0
Extent of ownership and control index (0-7)	0.0
Extent of corporate transparency index (0-7)	0.0

Paying Taxes (rank)	null
Score of paying taxes (0-100)	79.0
Payments (number per year)	34
Time (hours per year)	49
Total tax and contribution rate (% of profit)	21.6
Postfiling index (0-100)	67.6

Trading across Borders (rank)	null
Score of trading across borders (0-100)	96.1
<i>Time to export</i>	
Documentary compliance (hours)	2
Border compliance (hours)	1
<i>Cost to export</i>	
Documentary compliance (USD)	27
Border compliance (USD)	115
<i>Time to export</i>	
Documentary compliance (hours)	2
Border compliance (hours)	1
<i>Cost to export</i>	
Documentary compliance (USD)	27
Border compliance (USD)	115

Enforcing Contracts (rank)	null
Score of enforcing contracts (0-100)	59.8
Time (days)	640
Cost (% of claim value)	12.7
Quality of judicial processes index (0-18)	6.5

Resolving Insolvency (rank)	null
Score of resolving insolvency (0-100)	41.3
Recovery rate (cents on the dollar)	47.7
Time (years)	1.5
Cost (% of estate)	12.7
Outcome (0 as piecemeal sale and 1 as going concern)	0
Strength of insolvency framework index (0-16)	5.0

Starting a Business

This topic measures the number of procedures, time, cost and paid-in minimum capital requirement for a small- to medium-sized limited liability company to start up and formally operate in each economy's largest business city.

To make the data comparable across 190 economies, *Doing Business* uses a standardized business that is 100% domestically owned, has start-up capital equivalent to 10 times the income per capita, engages in general industrial or commercial activities and employs between 10 and 50 people one month after the commencement of operations, all of whom are domestic nationals. Starting a Business considers two types of local limited liability companies that are identical in all aspects, except that one company is owned by 5 married women and the other by 5 married men. The ranking of economies on the ease of starting a business is determined by sorting their scores for starting a business. These scores are the simple average of the scores for each of the component indicators.

The most recent round of data collection for the project was completed in May 2019. [See the methodology for more information.](#)

What the indicators measure	Case study assumptions
<p>Procedures to legally start and formally operate a company (number)</p> <ul style="list-style-type: none"> • Preregistration (for example, name verification or reservation, notarization) • Registration in the economy's largest business city • Postregistration (for example, social security registration, company seal) • Obtaining approval from spouse to start a business or to leave the home to register the company • Obtaining any gender specific document for company registration and operation or national identification card <p>Time required to complete each procedure (calendar days)</p> <ul style="list-style-type: none"> • Does not include time spent gathering information • Each procedure starts on a separate day (2 procedures cannot start on the same day) • Procedures fully completed online are recorded as ½ day • Procedure is considered completed once final document is received • No prior contact with officials <p>Cost required to complete each procedure (% of income per capita)</p> <ul style="list-style-type: none"> • Official costs only, no bribes • No professional fees unless services required by law or commonly used in practice <p>Paid-in minimum capital (% of income per capita)</p> <ul style="list-style-type: none"> • Funds deposited in a bank or with third party before registration or up to 3 months after incorporation 	<p>To make the data comparable across economies, several assumptions about the business and the procedures are used. It is assumed that any required information is readily available and that the entrepreneur will pay no bribes.</p> <p>The business:</p> <ul style="list-style-type: none"> -Is a limited liability company (or its legal equivalent). If there is more than one type of limited liability company in the economy, the limited liability form most common among domestic firms is chosen. Information on the most common form is obtained from incorporation lawyers or the statistical office. -Operates in the economy's largest business city. For 11 economies the data are also collected for the second largest business city. -Performs general industrial or commercial activities such as the production or sale to the public of goods or services. The business does not perform foreign trade activities and does not handle products subject to a special tax regime, for example, liquor or tobacco. It is not using heavily polluting production processes. -Does not qualify for investment incentives or any special benefits. -Is 100% domestically owned. -Has five business owners, none of whom is a legal entity. One business owner holds 30% of the company shares, two owners have 20% of shares each, and two owners have 15% of shares each. -Is managed by one local director. -Has between 10 and 50 employees one month after the commencement of operations, all of them domestic nationals. -Has start-up capital of 10 times income per capita. -Has an estimated turnover of at least 100 times income per capita. -Leases the commercial plant or offices and is not a proprietor of real estate. -Has an annual lease for the office space equivalent to one income per capita. -Is in an office space of approximately 929 square meters (10,000 square feet). -Has a company deed that is 10 pages long. <p>The owners:</p> <ul style="list-style-type: none"> -Have reached the legal age of majority and are capable of making decisions as an adult. If there is no legal age of majority, they are assumed to be 30 years old. -Are in good health and have no criminal record. -Are married, the marriage is monogamous and registered with the authorities. -Where the answer differs according to the legal system applicable to the woman or man in question (as may be the case in economies where there is legal plurality), the answer used will be the one that applies to the majority of the population.

Starting a Business - Liechtenstein*

Standardized Company

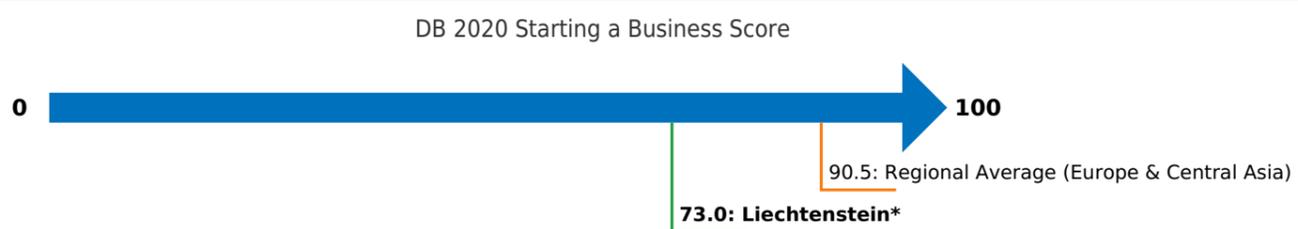
Legal form	Aktiengesellschaft
Paid-in minimum capital requirement	CHF 50,000
City Covered	Schaan

Indicator	Liechtenstein*	Europe & Central Asia	OECD high income	Best Regulatory Performance
Procedure - Men (number)	10	5.2	4.9	1 (2 Economies)
Time - Men (days)	46	11.9	9.2	0.5 (New Zealand)
Cost - Men (% of income per capita)	2.2	4.0	3.0	0.0 (2 Economies)
Procedure - Women (number)	10	5.2	4.9	1 (2 Economies)
Time - Women (days)	46	11.9	9.2	0.5 (New Zealand)
Cost - Women (% of income per capita)	2.2	4.0	3.0	0.0 (2 Economies)
Paid-in min. capital (% of income per capita)	32.7	0.7	7.6	0.0 (120 Economies)

Figure - Starting a Business in Liechtenstein* - Score

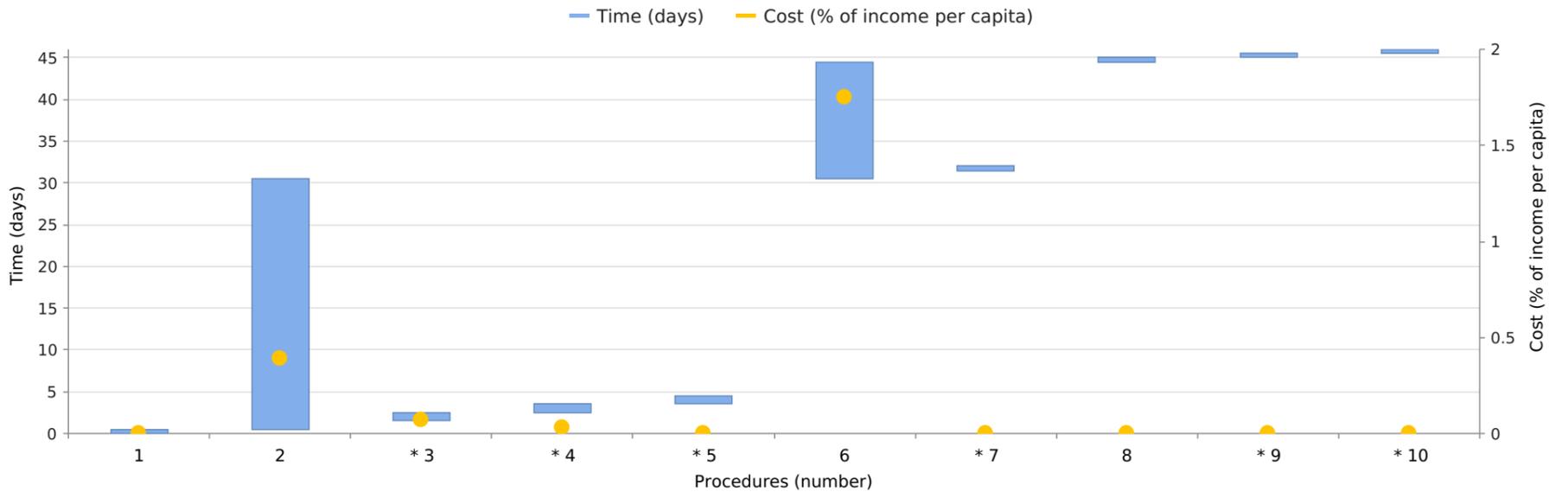


Figure - Starting a Business in Liechtenstein* and comparator economies - Ranking and Score



Note: The ranking of economies on the ease of starting a business is determined by sorting their scores for starting a business. These scores are the simple average of the scores for each of the component indicators.

Figure - Starting a Business in Liechtenstein* - Procedure, Time and Cost



*This symbol is shown beside procedure numbers that take place simultaneously with the previous procedure.

Note: Online procedures account for 0.5 days in the total time calculation. For economies that have a different procedure list for men and women, the graph shows the time for women. For more information on methodology, see the *Doing Business* website (<http://doingbusiness.org/en/methodology>). For details on the procedures reflected here, see the summary below.

Details - Starting a Business in Liechtenstein* - Procedure, Time and Cost

No.	Procedures	Time to Complete	Associated Costs
1	<p>Verify the name of the company <i>Agency</i> : Commercial Register The verification of the company name is done with the commercial register - either online (https://www.gesetze.li/konso/2003.67) or at the office</p>	Less than a day (online procedure)	No charge
2	<p>Obtain the trade license from the Office of Economic Affairs <i>Agency</i> : Office of Economic Affairs Prior to applying for company incorporation, it is required to obtain a trade license from the Office of Economic Affairs. The application for the trade license is submitted online. Documents required to be uploaded online include: -a certificate from the court stating that a debtor has no arrears -criminal record from the police department -a lease agreement -all the cofounders' certifications: CVs, diplomas. Once the license is approved, the founders receive it by mail. A letter is also sent to the Commercial Register.</p>	30 days	CHF 600
⇒ 3	<p>Open a bank account and deposit the capital of the company <i>Agency</i> : Bank The minimum capital of CHF 50,000 needs to be deposited in a bank account.</p>	1 day, simultaneous with previous procedure	CHF 100
⇒ 4	<p>Notarize the acceptance of mandate and specimens of signature of the board members <i>Agency</i> : Commercial Register or Court Company founders need to go to the Commercial Register or to the Court to legalize their signatures with an apostille. The founders can either go all together or separately.</p>	1 day, simultaneous with previous procedure	CHF 10 per signature
⇒ 5	<p>Appoint an auditing firm <i>Agency</i> : Auditor This is a legal requirement according to the Persons and Companies Act, Article 144. is mandatory to choose and appoint an auditor prior to going to the Commercial Register. Both parties need to sign a letter of acceptance by an auditor. The letter could either be a standard form or in free style. In the list of incorporation documents, there is the declaration of acceptance by the audit authority that must be submitted for the application to be accepted for processing.</p>	1 day, simultaneous with previous procedure	No charge
6	<p>Incorporate the company with the Commercial Register <i>Agency</i> : Company Register The company incorporation is done at the commercial register of the Ministry of Justice. A document packet needs to be brought in person to the Commercial Register. Then, the Commercial Register reviews the application and sends the official incorporation documents to the founders in about two weeks. Commercial Register issues an invoice that is sent by mail two days after the registration application is submitted. The invoice then needs to be paid at the bank.</p> <p>The list of documents for AG can be downloaded from the Commercial Register's website. They include the:</p> <ul style="list-style-type: none"> • Declaration of formation • Declaration of acceptance and corporate signature by the directors and the managing director • Declaration of acceptance by the audit authority • Articles of association • Proof of capital issued by the bank • Application to the Commercial Register Division <p>The fees to be paid are:</p> <ul style="list-style-type: none"> - For the basic charge: CHF 700 (including 2 excerpts) - For companies with a share capital higher than CHF 200,000: a fee of 2 per mil of the exceeding capital, with a maximum fee of CHF 10,000 - For additional excerpts: CHF 15 - For each director: CHF 20 - For each address: CHF 30 - For the public deed of incorporation: a fee of 1 per mil of the capital until CHF 500,000 of share capital (with a minimum of CHF 300) and an additional fee of CHF 100 for every additional CHF 100,000 exceeding the first CHF 500,000 of capital (with a maximum of CHF 15,000). 	14 days	Cf. procedure details
⇒ 7	<p>Pay the incorporation fees at the bank <i>Agency</i> : Bank An invoice is received from the Commercial Register by mail two days after the registration is requested and the founder needs to pay the fees at the bank.</p>	Less than a day (online procedure), simultaneous with previous procedure	Included in previous procedure
8	<p>Apply for the Business Identification Number (UBI - Unternehmens-Identifikationsnummer) <i>Agency</i> : Tax authority All the companies also need to register for the Swiss ID number - UID. Registration can be done online and is free of charge.</p>	Less than a day (online procedure)	No charge

⇒ 9	Register for VAT	<p><i>Agency</i> : Tax authority</p> <p>All businesses, irrespective of their type of organization, are subject to value added tax liability, as soon as they generate a turnover of more than CHF 100,000.00 per year.</p> <p>Businesses which meet the conditions of tax liability must register with the Liechtenstein Tax Administration of their own accord in writing within 30 days of them meeting the said conditions. For registration purposes, they must use this Website: https://www.llv.li/onlineschalter.</p> <p>Businesses which do not reach the turnover threshold may voluntarily subject themselves to value added tax liability. For example, this can make sense if the majority of the activities carried out comprise exports or if supplies are made outside of Liechtenstein.</p>	Less than a day (online procedure), simultaneous with previous procedure	No charge
⇒ 10	Register employees with the Central National Administration Office	<p><i>Agency</i> : Central National Administration Office</p> <p>Companies and the self-employed who are based in Liechtenstein, as well as the employers of domestic staff and domestic carers, are obliged to register new or departing employees to a central national administration office. The employment reports are forwarded for processing to the Liechtenstein Old Age and Survivors' Insurance Scheme (Alters- und Hinterlassenenversicherung "AHV"), Disability Insurance Scheme (Invalidenversicherung - "IV") and the Family Compensation Fund (Familienausgleichskasse - "FAK"), and to the Office of Statistics (Amt für Statistik).</p>	Less than a day (online procedure), simultaneous with previous procedure	No charge

⇒ Takes place simultaneously with previous procedure.

Dealing with Construction Permits

This topic tracks the procedures, time and cost to build a warehouse—including obtaining necessary the licenses and permits, submitting all required notifications, requesting and receiving all necessary inspections and obtaining utility connections. In addition, the Dealing with Construction Permits indicator measures the building quality control index, evaluating the quality of building regulations, the strength of quality control and safety mechanisms, liability and insurance regimes, and professional certification requirements. The most recent round of data collection was completed in May 2019. [See the methodology for more information](#)

What the indicators measure	Case study assumptions
<p>Procedures to legally build a warehouse (number)</p> <ul style="list-style-type: none"> • Submitting all relevant documents and obtaining all necessary clearances, licenses, permits and certificates • Submitting all required notifications and receiving all necessary inspections • Obtaining utility connections for water and sewerage • Registering and selling the warehouse after its completion <p>Time required to complete each procedure (calendar days)</p> <ul style="list-style-type: none"> • Does not include time spent gathering information • Each procedure starts on a separate day—though procedures that can be fully completed online are an exception to this rule • Procedure is considered completed once final document is received • No prior contact with officials <p>Cost required to complete each procedure (% of income per capita)</p> <ul style="list-style-type: none"> • Official costs only, no bribes <p>Building quality control index (0-15)</p> <ul style="list-style-type: none"> • Quality of building regulations (0-2) • Quality control before construction (0-1) • Quality control during construction (0-3) • Quality control after construction (0-3) • Liability and insurance regimes (0-2) • Professional certifications (0-4) 	<p>To make the data comparable across economies, several assumptions about the construction company, the warehouse project and the utility connections are used.</p> <p>The construction company (BuildCo):</p> <ul style="list-style-type: none"> - Is a limited liability company (or its legal equivalent) and operates in the economy's largest business city. For 11 economies the data are also collected for the second largest business city. - Is 100% domestically and privately owned; has five owners, none of whom is a legal entity. Has a licensed architect and a licensed engineer, both registered with the local association of architects or engineers. BuildCo is not assumed to have any other employees who are technical or licensed experts, such as geological or topographical experts. - Owns the land on which the warehouse will be built and will sell the warehouse upon its completion. <p>The warehouse:</p> <ul style="list-style-type: none"> - Will be used for general storage activities, such as storage of books or stationery. - Will have two stories, both above ground, with a total constructed area of approximately 1,300.6 square meters (14,000 square feet). Each floor will be 3 meters (9 feet, 10 inches) high and will be located on a land plot of approximately 929 square meters (10,000 square feet) that is 100% owned by BuildCo, and the warehouse is valued at 50 times income per capita. - Will have complete architectural and technical plans prepared by a licensed architect. If preparation of the plans requires such steps as obtaining further documentation or getting prior approvals from external agencies, these are counted as procedures. - Will take 30 weeks to construct (excluding all delays due to administrative and regulatory requirements). <p>The water and sewerage connections:</p> <ul style="list-style-type: none"> - Will be 150 meters (492 feet) from the existing water source and sewer tap. If there is no water delivery infrastructure in the economy, a borehole will be dug. If there is no sewerage infrastructure, a septic tank in the smallest size available will be installed or built. - Will have an average water use of 662 liters (175 gallons) a day and an average wastewater flow of 568 liters (150 gallons) a day. Will have a peak water use of 1,325 liters (350 gallons) a day and a peak wastewater flow of 1,136 liters (300 gallons) a day. - Will have a constant level of water demand and wastewater flow throughout the year; will be 1 inch in diameter for the water connection and 4 inches in diameter for the sewerage connection.

Dealing with Construction Permits - Liechtenstein*

Standardized Warehouse

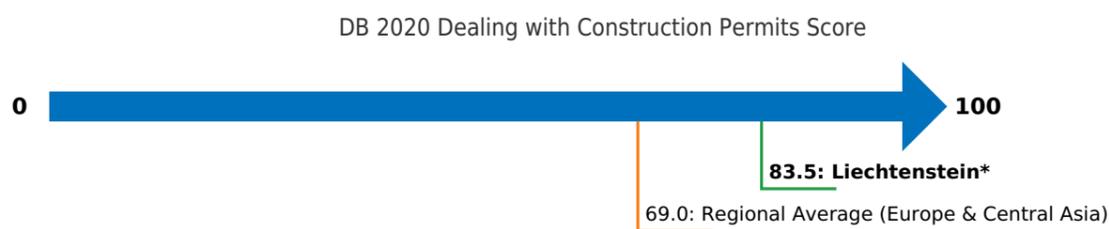
Estimated value of warehouse	CHF 7,641,331.30
City Covered	Schaan

Indicator	Liechtenstein*	Europe & Central Asia	OECD high income	Best Regulatory Performance
Procedures (number)	8	16.2	12.7	None in 2018/19
Time (days)	138	170.1	152.3	None in 2018/19
Cost (% of warehouse value)	0.3	4.0	1.5	None in 2018/19
Building quality control index (0-15)	12.0	12.1	11.6	15.0 (6 Economies)

Figure - Dealing with Construction Permits in Liechtenstein* - Score

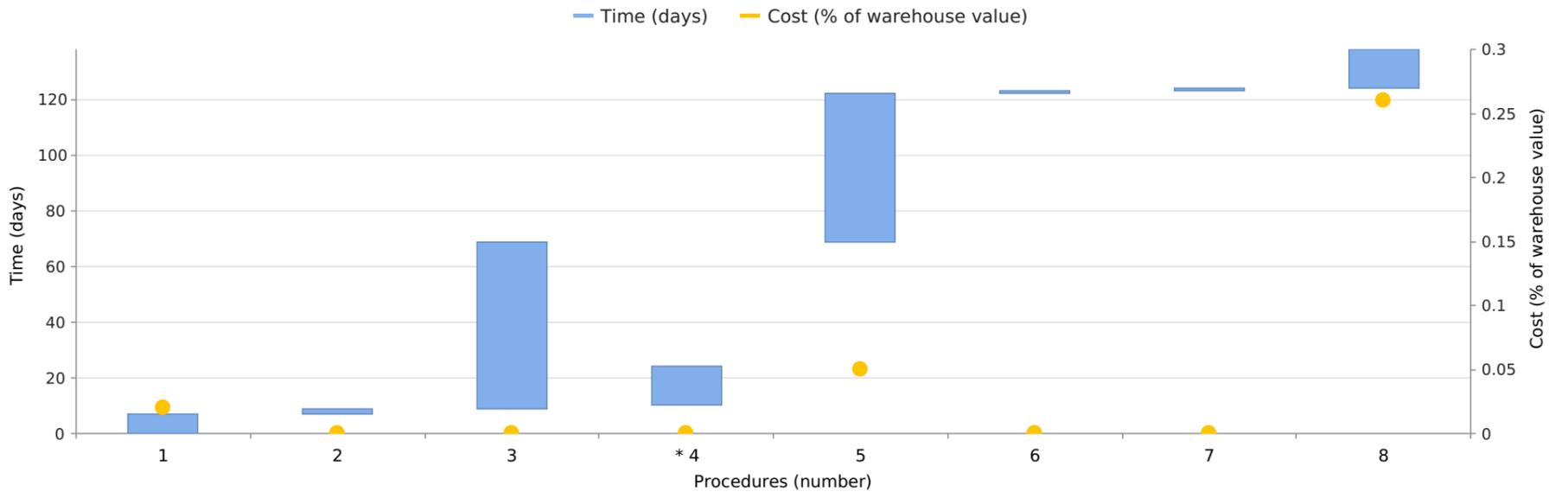


Figure - Dealing with Construction Permits in Liechtenstein* and comparator economies - Ranking and Score



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

Figure - Dealing with Construction Permits in Liechtenstein* - Procedure, Time and Cost



*This symbol is shown beside procedure numbers that take place simultaneously with the previous procedure.

Note: Online procedures account for 0.5 days in the total time calculation. For economies that have a different procedure list for men and women, the graph shows the time for women. For more information on methodology, see the *Doing Business* website (<http://doingbusiness.org/en/methodology>). For details on the procedures reflected here, see the summary below.

Figure - Dealing with Construction Permits in Liechtenstein* and comparator economies - Measure of Quality



Details - Dealing with Construction Permits in Liechtenstein* - Procedure, Time and Cost

No.	Procedures	Time to Complete	Associated Costs
1	<p>Conduct a topographical survey <i>Agency</i> : Private agency While a topographic survey is not required by law, BuildCo would, in practice, obtain one and submit the results along with the application documents to the Construction Authority (ABI), who will later on submit the full application to the Municipality.</p>	7 days	CHF 1,500
2	<p>Obtain approval for planning application <i>Agency</i> : Office for Construction and Infrastructure (ABI) BuildCo has to obtain the planning application approval from ABI. The application form, which is available online, will be submitted along with the following documents physically to ABI:</p> <ul style="list-style-type: none"> - Architectural plans - Proof of title (Extract from the registry) - Justification of the purpose of the building - Building specifications - Sewerage and water connection forms 	2 days	no charge
3	<p>Obtain approval from the competent authorities <i>Agency</i> : Municipality, Office of Economic Affairs, Ministry of Environment After the documents have been submitted to the Construction Authority and the planning application approved, copies of the architectural plans will be sent to the Municipality, the Office of Economic Affairs, and the Ministry of Environment for their review. In the case where the Municipality rejects the project, the decision is considered final and cannot be overruled by the Construction Authority (ABI).</p>	60 days	no charge
⇒ 4	<p>Obtain building approval from neighbors <i>Agency</i> : Office for Construction and Infrastructure (ABI) The Building Authority (ABI) notifies the neighbors, who have 2 weeks to raise any objections they may have regarding the project. If objections are raised, a mediation starts between the different parties. If no amicable settlement was reached, the building authority has to take a decision within 14 days of the end of the mediation period. This process is undertaken simultaneously to the previous procedure.</p>	14 days	no charge
5	<p>Obtain approval of building application <i>Agency</i> : The Construction Authority (ABI) The Construction Authority (ABI) is considered the competent authority by law to oversee and coordinate the permitting process. Based on the input received from the three assessing agencies (Municipality, Office of Economic Affairs, and the Ministry of Environment), ABI will grant the building permit approval.</p>	53 days	CHF 4,000
6	<p>Receive unscheduled inspection from Fire Department <i>Agency</i> : Fire Department under ABI During the construction of the warehouse, the Fire Department under ABI will conduct an unscheduled inspection. However, phased inspections are conducted by the in-house engineer.</p>	1 day	no charge
7	<p>Request and receive final construction clearance inspection <i>Agency</i> : Fire Department under ABI Once the construction is done, BuildCo requests and receives the inspection from the Fire Department under the Construction Authority (ABI), who will inspect the building against the approved plans. The Fire Department will then produce the final inspection report, 2 days after the inspection is done.</p>	1 day	no charge
8	<p>Request and receive water and sewage connections <i>Agency</i> : Municipality BuildCo requests and receives water and sewage connection to the municipality networks.</p>	14 days	CHF 20,000

⇒ Takes place simultaneously with previous procedure.

Details - Dealing with Construction Permits in Liechtenstein* - Measure of Quality

	Answer	Score
Building quality control index (0-15)		12.0
Quality of building regulations index (0-2)		1.0
How accessible are building laws and regulations in your economy? (0-1)	Available online; Free of charge.	1.0
Which requirements for obtaining a building permit are clearly specified in the building regulations or on any accessible website, brochure or pamphlet? (0-1)	List of required documents.	0.0
Quality control before construction index (0-1)		1.0
Which third-party entities are required by law to verify that the building plans are in compliance with existing building regulations? (0-1)	Licensed architect; Licensed engineer.	1.0
Quality control during construction index (0-3)		2.0
What types of inspections (if any) are required by law to be carried out during construction? (0-2)	Inspections by in-house engineer; Unscheduled inspections; Inspections at various phases.	1.0
Do legally mandated inspections occur in practice during construction? (0-1)	Mandatory inspections are always done in practice.	1.0
Quality control after construction index (0-3)		3.0
Is there a final inspection required by law to verify that the building was built in accordance with the approved plans and regulations? (0-2)	Yes, final inspection is done by government agency.	2.0
Do legally mandated final inspections occur in practice? (0-1)	Final inspection always occurs in practice.	1.0
Liability and insurance regimes index (0-2)		1.0
Which parties (if any) are held liable by law for structural flaws or problems in the building once it is in use (Latent Defect Liability or Decennial Liability)? (0-1)	No party is held liable under the law.	0.0
Which parties (if any) are required by law to obtain an insurance policy to cover possible structural flaws or problems in the building once it is in use (Latent Defect Liability Insurance or Decennial Insurance)? (0-1)	No party is required by law to obtain insurance ; Architect or engineer; Professional in charge of the supervision; Construction company; Insurance is commonly taken in practice.	1.0
Professional certifications index (0-4)		4.0
What are the qualification requirements for the professional responsible for verifying that the architectural plans or drawings are in compliance with existing building regulations? (0-2)	Minimum number of years of experience; University degree in architecture or engineering; Being a registered architect or engineer; Passing a certification exam.	2.0

What are the qualification requirements for the professional who supervises the construction on the ground? (0-2)

Minimum number of years of experience; University degree in engineering, construction or construction management; Being a registered architect or engineer; Passing a certification exam. 2.0

⚡ Getting Electricity

This topic measures the procedures, time and cost required for a business to obtain a permanent electricity connection for a newly constructed warehouse. Additionally, the reliability of supply and transparency of tariffs index measures reliability of supply, transparency of tariffs and the price of electricity. The most recent round of data collection for the project was completed in May 2019. [See the methodology for more information.](#)

What the 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
- Value added tax excluded

The reliability of supply and transparency of tariffs index (0-8)

- Duration and frequency of power outages (0-3)
- Tools to monitor power outages (0-1)
- Tools to restore power supply (0-1)
- Regulatory monitoring of utilities' performance (0-1)
- Financial deterrents limiting outages (0-1)
- Transparency and accessibility of tariffs (0-1)

Price of electricity (cents per kilowatt-hour)*

- Price based on monthly bill for commercial warehouse in case study

*Note: *Doing Business* measures the price of electricity, but it is not included in the ease of doing business score nor in the ranking on the ease of getting electricity.

Case study assumptions

To make the data comparable across economies, several assumptions about the warehouse, the electricity connection and the monthly consumption are used.

The warehouse:

- Is owned by a local entrepreneur and is used for storage of goods.
- Is located in the economy's largest business city. For 11 economies the data are also collected for the second largest business city.
- Is located in an area where similar warehouses are typically located and is in an area with no physical constraints. For example, the property is not near a railway.
- Is a new construction and is being connected to electricity for the first time.
- Has two stories with a total surface area of approximately 1,300.6 square meters (14,000 square feet). The plot of land on which it is built is 929 square meters (10,000 square feet).

The electricity connection:

- Is a permanent one with a three-phase, four-wire Y connection with a subscribed capacity of 140-kilo-volt-ampere (kVA) with a power factor of 1, when 1 kVA = 1 kilowatt (kW).
- Has a length of 150 meters. The connection is to either the low- or medium-voltage distribution network and is either overhead or underground, whichever is more common in the area where the warehouse is located and requires works that involve the crossing of a 10-meter road (such as by excavation or overhead lines) but are all carried out on public land. There is no crossing of other owners' private property because the warehouse has access to a road.
- Does not require work to install the internal wiring of the warehouse. This has already been completed up to and including the customer's service panel or switchboard and the meter base.

The monthly consumption:

- It is assumed that the warehouse operates 30 days a month from 9:00 a.m. to 5:00 p.m. (8 hours a day), with equipment utilized at 80% of capacity on average and that there are no electricity cuts (assumed for simplicity reasons) and the monthly energy consumption is 26,880 kilowatt-hours (kWh); hourly consumption is 112 kWh.
- If multiple electricity suppliers exist, the warehouse is served by the cheapest supplier.
- Tariffs effective in January of the current year are used for calculation of the price of electricity for the warehouse. Although January has 31 days, for calculation purposes only 30 days are used.

Getting Electricity - Liechtenstein*

Standardized Connection

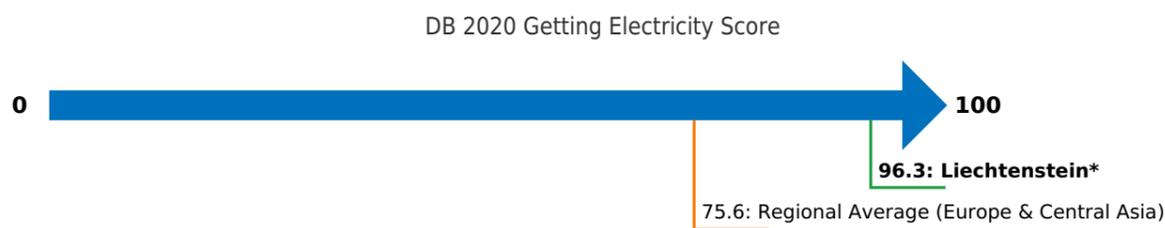
Name of utility	Liechtensteinische Kraftwerke (LKW)
Price of electricity (US cents per kWh)	9.5
City Covered	Schaan

Indicator	Liechtenstein*	Europe & Central Asia	OECD high income	Best Regulatory Performance
Procedures (number)	3	5.1	4.4	3 (28 Economies)
Time (days)	52	99.6	74.8	18 (3 Economies)
Cost (% of income per capita)	7.9	271.9	61.0	0.0 (3 Economies)
Reliability of supply and transparency of tariff index (0-8)	8	6.2	7.4	8 (26 Economies)

Figure - Getting Electricity in Liechtenstein* - Score

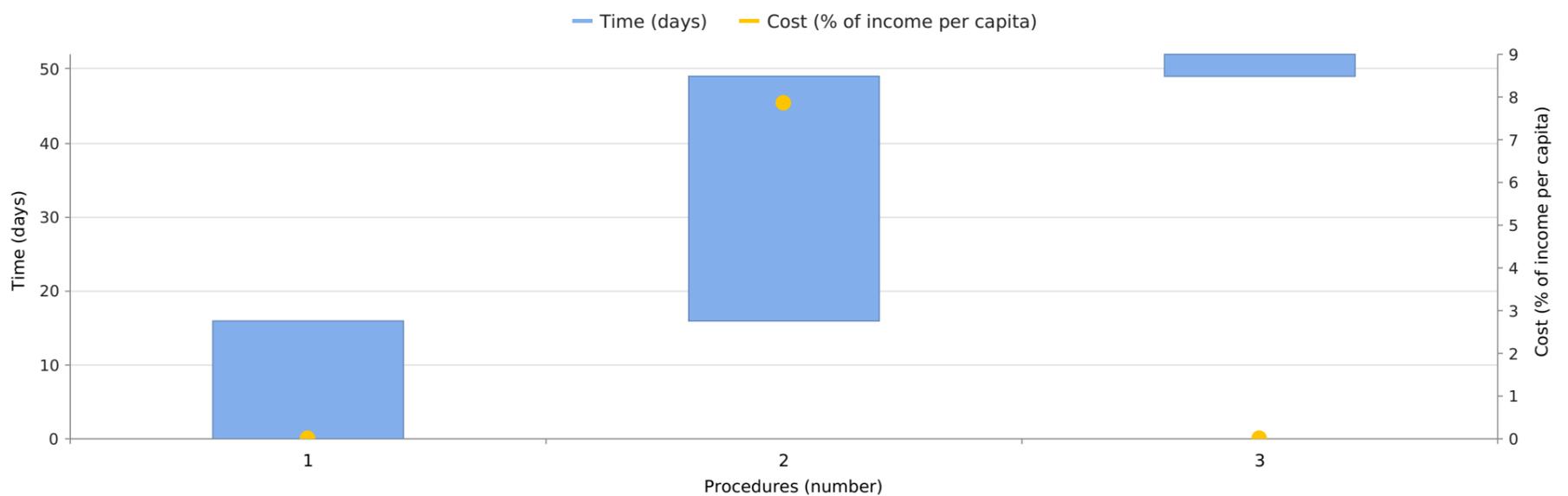


Figure - Getting Electricity in Liechtenstein* and comparator economies - Ranking and Score



Note: The ranking of economies on the ease of getting electricity is determined by sorting their scores for getting electricity. These scores are the simple average of the scores for all the component indicators except the price of electricity.

Figure - Getting Electricity in Liechtenstein* - Procedure, Time and Cost



*This symbol is shown beside procedure numbers that take place simultaneously with the previous procedure.

Note: Online procedures account for 0.5 days in the total time calculation. For economies that have a different procedure list for men and women, the graph shows the time for women. For more information on methodology, see the *Doing Business* website (<http://doingbusiness.org/en/methodology>). For details on the procedures

reflected here, see the summary below.

Figure - Getting Electricity in Liechtenstein* and comparator economies - Measure of Quality



Details - Getting Electricity in Liechtenstein* - Procedure, Time and Cost

No.	Procedures	Time to Complete	Associated Costs
1	<p>Submit application to LKW and wait for cost estimate <i>Agency : LKW</i> An application for a new connection must be requested to LKW, through a form that can be downloaded at: https://www.lkw.li/userdata/Alle-Download-Dokumente/Anschlussgesuch/20180122-anschlussgesuch-bau.pdf</p> <p>Utility visits the site to ensure that all the installations are put in place correctly. They specifically check the wiring tubes. Further, the utility calculates the new distribution network and its impact on adjacent constructions. The utility also coordinates with Gas and Telecommunications so that all the installations could be done at once.</p>	16 calendar days	CHF 0
2	<p>Pay estimate and receive external works <i>Agency : LKW</i> After receiving the invoice from the utility, the customer pays the connection fee and receives external works. Utility obtains excavation permit for the customer if the wire pipes are not already in place. The application is submitted through the Engineering Bureau as it coordinates all the documentary submissions for water, sewerage, gas, telecommunications, excavation, etc. Each Municipality has its own construction department that reviews all the submitted documentation and issues a permit via mail.</p> <p>Documents that need to be submitted by the utility to get the permit: -engineering plans -security plans for the building process</p> <p>Obtaining excavation permit takes around 20 days.</p> <p>External works are done by the utility and this must be coordinated with the engineer of the building company. The time for external works per se is around 13 days.</p>	33 calendar days	CHF 12,000
3	<p>Request and receive meter installation and final connection <i>Agency : LKW</i> Initially, a temporary power supply is set up. This is used for testing and preparation for the connection. After all the needed assessments and checks are completed, the company that did internal wiring issues a certificate of conformity, sends it to the utility and makes an online request to LKW to have a meter installed. Then LKW reviews the request and calls the company back to agree on the date of the installation. LKW would need to get the access to the building, so the construction manager would have to be on the site.</p>	3 calendar days	CHF 0

⇒ Takes place simultaneously with previous procedure.

Details - Getting Electricity in Liechtenstein* - Measure of Quality

	Answer
Reliability of supply and transparency of tariff index (0-8)	8
Total duration and frequency of outages per customer a year (0-3)	3
System average interruption duration index (SAIDI)	0.1
System average interruption frequency index (SAIFI)	0.0
What is the minimum outage time (in minutes) that the utility considers for the calculation of SAIDI/SAIFI	0.0
Mechanisms for monitoring outages (0-1)	1
Does the distribution utility use automated tools to monitor outages?	Yes
Mechanisms for restoring service (0-1)	1
Does the distribution utility use automated tools to restore service?	Yes
Regulatory monitoring (0-1)	1
Does a regulator—that is, an entity separate from the utility—monitor the utility's performance on reliability of supply?	Yes
Financial deterrents aimed at limiting outages (0-1)	1
Does the utility either pay compensation to customers or face fines by the regulator (or both) if outages exceed a certain cap?	Yes
Communication of tariffs and tariff changes (0-1)	1
Are effective tariffs available online?	Yes
Link to the website, if available online	https://www.lkw.li/hilfe-und-service/downloads.html
Are customers notified of a change in tariff ahead of the billing cycle?	Yes

Note:

If the duration and frequency of outages is 100 or less, the economy is eligible to score on the Reliability of supply and transparency of tariff index.

If the duration and frequency of outages is not available, or is over 100, the economy is not eligible to score on the index.

If the minimum outage time considered for SAIDI/SAIFI is over 5 minutes, the economy is not eligible to score on the index.

Registering Property

This topic examines the steps, time and cost involved in registering property, assuming a standardized case of an entrepreneur who wants to purchase land and a building that is already registered and free of title dispute. In addition, the topic also measures the quality of the land administration system in each economy. The quality of land administration index has five dimensions: reliability of infrastructure, transparency of information, geographic coverage, land dispute resolution, and equal access to property rights. The most recent round of data collection for the project was completed in May 2019. [See the methodology for more information.](#)

What the indicators measure

Procedures to legally transfer title on immovable property (number)

- Preregistration procedures (for example, checking for liens, notarizing sales agreement, paying property transfer taxes)
- Registration procedures in the economy's largest business city.
- Postregistration procedures (for example, filling title with municipality)

Time required to complete each procedure (calendar days)

- Does not include time spent gathering information
- Each procedure starts on a separate day - though procedures that can be fully completed online are an exception to this rule
- Procedure is considered completed once final document is received
- No prior contact with officials

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

- Official costs only (such as administrative fees, duties and taxes).
- Value Added Tax, Capital Gains Tax and illicit payments are excluded

Quality of land administration index (0-30)

- Reliability of infrastructure index (0-8)
- Transparency of information index (0-6)
- Geographic coverage index (0-8)
- Land dispute resolution index (0-8)
- Equal access to property rights index (-2-0)

Case study assumptions

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 (or the legal equivalent).
- Are located in the periurban (that is, on the outskirts of the city but still within its official limits) area of the economy's largest business city. For 11 economies the data are also collected for the second largest business city.
- Are 100% domestically and privately owned.
- Perform general commercial activities.

The property (fully owned by the seller):

- Has a value of 50 times income per capita, which equals the sale price.
- Is fully owned by the seller.
- Has no mortgages attached and has been under the same ownership for the past 10 years.
- Is registered in the land registry or cadastre, or both, and is free of title disputes.
- Is located in a periurban commercial zone (that is, on the outskirts of the city but still within its official limits), and no rezoning is required.
- Consists of land and a building. The land area is 557.4 square meters (6,000 square feet). A two-story warehouse of 929 square meters (10,000 square feet) is located on the land. The warehouse is 10 years old, is in good condition, has no heating system and complies with all safety standards, building codes and legal requirements. The property, consisting of land and building, will be transferred in its entirety.
- Will not be subject to renovations or additional construction following the purchase.
- Has no trees, natural water sources, natural reserves or historical monuments of any kind.
- Will not be used for special purposes, and no special permits, such as for residential use, industrial plants, waste storage or certain types of agricultural activities, are required.
- Has no occupants, and no other party holds a legal interest in it.

Registering Property - Liechtenstein*

Indicator	Liechtenstein*	Europe & Central Asia	OECD high income	Best Regulatory Performance
Procedures (number)	8	5.5	4.7	1 (5 Economies)
Time (days)	17	20.8	23.6	1 (2 Economies)
Cost (% of property value)	1.1	2.7	4.2	0.0 (Saudi Arabia)
Quality of the land administration index (0-30)	21.5	20.4	23.2	None in 2018/19

Figure - Registering Property in Liechtenstein* - Score

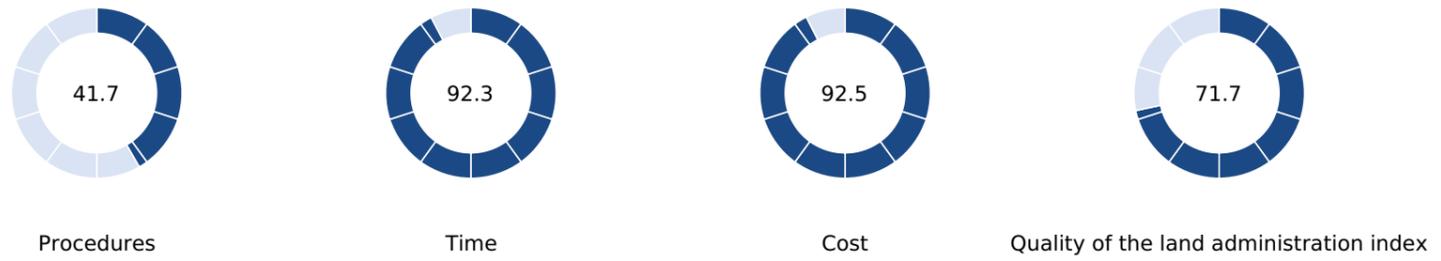
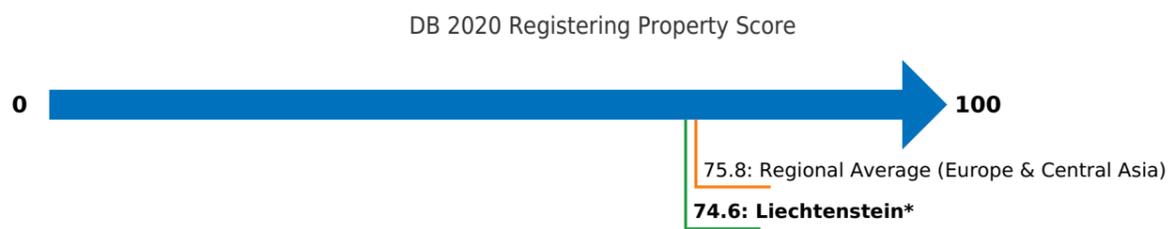
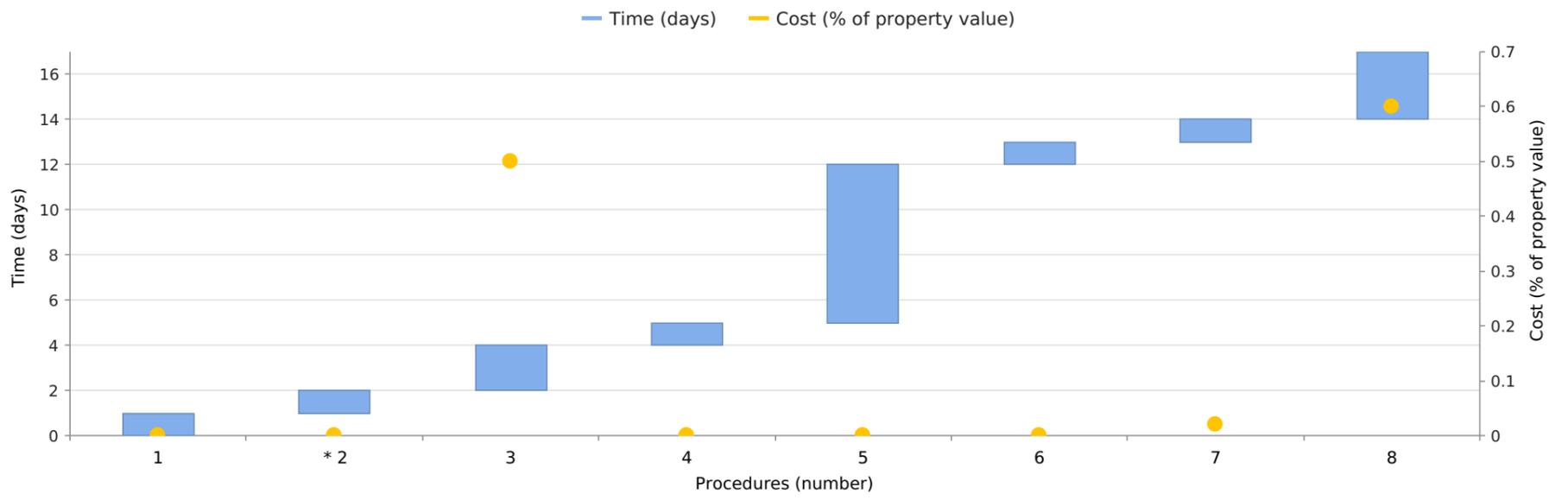


Figure - Registering Property in Liechtenstein* and comparator economies - Ranking and Score



Note: The ranking of economies on the ease of registering property is determined by sorting their scores for registering property. These scores are the simple average of the scores for each of the component indicators.

Figure - Registering Property in Liechtenstein* - Procedure, Time and Cost



*This symbol is shown beside procedure numbers that take place simultaneously with the previous procedure.

Note: Online procedures account for 0.5 days in the total time calculation. For economies that have a different procedure list for men and women, the graph shows the time for women. For more information on methodology, see the *Doing Business* website (<http://doingbusiness.org/en/methodology>). For details on the procedures reflected here, see the summary below.

Figure - Registering Property in Liechtenstein* and comparator economies - Measure of Quality



Details - Registering Property in Liechtenstein* - Procedure, Time and Cost

No.	Procedures	Time to Complete	Associated Costs
1	<p>Obtain an official extract from the Land Registry <i>Agency</i> : Land Registry An official extract from the Land Registry office in the Office of Justice located in Vaduz is obtained. This procedure must be done to ensure that there is no arrears attached to the property. This extract is needed to be included in the contract. Either a seller or a seller's lawyer obtains the extract. The extract includes information on the plot size, any building restrictions, any potential liens.</p>	1 day	CHF 20; (CHF 20.00 for online excerpt; CHF 10.00 for hard copy paid cash at the counter)
→ 2	<p>Obtain a cadastral extract from the Office for Construction and Infrastructure (ABI) <i>Agency</i> : Office for Construction and Infrastructure (ABI) A cadastral extract from the ÖREB Kataster is obtained at the Office for Construction and Infrastructure (ABI). This extract is obtained in person.</p>	1 day	CHF 40
3	<p>Lawyer prepares the sale contract <i>Agency</i> : Lawyer's office The sale contract is prepared by a lawyer and is signed by the parties. The lawyer's fees vary from 0.3% to 1% of the property value, depending on the complexity of the contract.</p>	2 days	CHF 38,206.66
4	<p>The contract is signed before an official of the Land Registry <i>Agency</i> : Land Registry The Land Registry official checks the accuracy of the contract and ensures its compliance with the Registry's requirements. Once the contract is reviewed, the Land Registry issues a final decision (ordinance) stating whether the transaction can be carried forward. The Land Registry also prepares and issues an invoice with the relevant transaction fees. The fees commonly range between 1,000 and 2,000 CHF. Both the Tax Authority and the Landeskasse of Liechtenstein (agency that keeps track of all the officially issued invoices) get notified when an invoice is issued.</p>	1 day	CHF 20
5	<p>Initial meeting with Tax Authority on Capital Gain Tax <i>Agency</i> : Tax Authority This informal meeting with the Tax Authority is not required by law but in practice, it is done 90% of property transfer transactions. During this consultative process a seller would get a free estimate for the Capital Gains Tax (it can vary between 2 up to 20%) and will receive the information on how the tax is going to be calculated for this case. This would insure the smooth running of the transfer process and would eliminate any unpleasant surprises/disagreements and hence delays. Capital Gains Tax (CGT) can be high and knowing the amount in advance allows the seller to have enough funds to settle the CGT. At this meeting a tax adviser also checks all the documents and might request some additional proof of the works that have been performed on the property prior to assigning an assessor to the case. This meeting allows the seller to get a better clarity on the tax deductions and the assessor would also have a better understanding of what to check on the property.</p>	7 days	no charge
6	<p>Receive inspection from Tax Authority <i>Agency</i> : Tax Authority The assessor physically visits the property and checks all the alleged changes/renovations to the building and land to verify the submitted documentation. Once all the documents are processed, the Tax Authority issues the final invoice.</p>	1 day	no charge
7	<p>Payment of Capital Gain Tax and contract processing fees <i>Agency</i> : Commercial Bank The fees for processing the contract and the Capital Gain tax as determined by the Tax authority are paid at a commercial bank. Capital gain tax, that can go up to 24% of the property value. The payment must be submitted in person either at a bank or through a post office. Once the payment is made, Landeskasse and the Tax Authority get automatic notifications.</p>	1 day	CHF 1,500; (Contract processing fees CHF 1500 + 24% of Capital Gain Tax (not included in calculation per methodology))
8	<p>Finalize registration at the Land Registry <i>Agency</i> : Land Registry Once the taxes are paid and there are no outstanding issue with the sale, the Land Registry does the final check of the contract. Then, the paper copy of the contract is stamped and filed at the Land Registry. Copies are also sent to both the buyer and the seller. This is an internal procedure and seller/buyer do not need to be present. Once the payment is made, the Tax Authority and the Landeskasse (agency that keeps track of all the officially issued invoices) get automatic notifications.</p>	3 days	CHF 45,847.99; (0.6% of property value)

⇒ Takes place simultaneously with previous procedure.

Details - Registering Property in Liechtenstein* - Measure of Quality

	Answer	Score
Quality of the land administration index (0-30)		21.5
Reliability of infrastructure index (0-8)		5.0
Type of land registration system in the economy:	Cadastral system	
What is the institution in charge of immovable property registration?	Office of Justice, Land Registry Department in Vaduz	
In what format are past and newly issued land records kept at the immovable property registry of the largest business city of the economy—in a paper format or in a computerized format (scanned or fully digital)?	Paper	0.0
Is there a comprehensive and functional electronic database for checking for encumbrances (liens, mortgages, restrictions and the like)?	Yes	1.0
Institution in charge of the plans showing legal boundaries in the largest business city:	ÖREB Kataster	
In what format are past and newly issued cadastral plans kept at the mapping agency of the largest business city of the economy—in a paper format or in a computerized format (scanned or fully digital)?	Computer/Fully digital	2.0
Is there an electronic database for recording boundaries, checking plans and providing cadastral information (geographic information system)?	Yes	1.0
Is the information recorded by the immovable property registration agency and the cadastral or mapping agency kept in a single database, in different but linked databases or in separate databases?	Separate databases	0.0
Do the immovable property registration agency and cadastral or mapping agency use the same identification number for properties?	Yes	1.0
Transparency of information index (0-6)		3.5
Who is able to obtain information on land ownership at the agency in charge of immovable property registration in the largest business city?	Anyone who pays the official fee	1.0
Is the list of documents that are required to complete any type of property transaction made publicly available—and if so, how?	Yes, online	0.5
Link for online access:	https://www.llv.li/files/onlineschalter/Dokument-75.pdf	
Is the applicable fee schedule for any type of property transaction at the agency in charge of immovable property registration in the largest business city made publicly available—and if so, how?	Yes, online	0.5
Link for online access:	https://www.gesetze.li/konso/pdf/2003067000?version=3	
Does the agency in charge of immovable property registration agency formally commit to deliver a legally binding document that proves property ownership within a specific timeframe –and if so, how does it communicate the service standard?	No	0.0
Link for online access:		
Is there a specific and independent mechanism for filing complaints about a problem that occurred at the agency in charge of immovable property registration?	No	0.0
Contact information:		
Are there publicly available official statistics tracking the number of transactions at the immovable property registration agency?	Yes	0.5
Number of property transfers in the largest business city in 2018:	1015.0	
Who is able to consult maps of land plots in the largest business city?	Anyone who pays the official fee	0.5
Is the applicable fee schedule for accessing maps of land plots made publicly available—and if so, how?	Yes, online	0.5
Link for online access:	https://www.gesetze.li/konso/2011434000	
Does the cadastral/mapping agency formally specifies the timeframe to deliver an updated cadastral plan—and if so, how does it communicate the service standard?	No	0.0

Link for online access:		
Is there a specific and independent mechanism for filing complaints about a problem that occurred at the cadastral or mapping agency?	No	0.0
Contact information:		
Geographic coverage index (0-8)		8.0
Are all privately held land plots in the largest business city formally registered at the immovable property registry?	Yes	2.0
Are all privately held land plots in the economy formally registered at the immovable property registry?	Yes	2.0
Are all privately held land plots in the largest business city mapped?	Yes	2.0
Are all privately held land plots in the economy mapped?	Yes	2.0
Land dispute resolution index (0-8)		5.0
Does the law require that all property sale transactions be registered at the immovable property registry to make them opposable to third parties?	Yes	1.5
Legal basis:	https://www.gesetze.li/konso/pdf/1923004000	
Is the system of immovable property registration subject to a state or private guarantee?	Yes	0.5
Type of guarantee:	State guarantee	
Legal basis:	Art. 532 Property Law (December 1922) https://www.gesetze.li/konso/pdf/1923004000	
Is there a specific, out-of-court compensation mechanism to cover for losses incurred by parties who engaged in good faith in a property transaction based on erroneous information certified by the immovable property registry?	No	0.0
Legal basis:		
Does the legal system require a control of legality of the documents necessary for a property transaction (e.g., checking the compliance of contracts with requirements of the law)?	Yes	0.5
If yes, who is responsible for checking the legality of the documents?	Registrar; Notary;	
Does the legal system require verification of the identity of the parties to a property transaction?	Yes	0.5
If yes, who is responsible for verifying the identity of the parties?	Registrar;	
Is there a national database to verify the accuracy of government issued identity documents?	Yes	1.0
What is the Court of first instance in charge of a case involving a standard land dispute between two local businesses over tenure rights for a property worth 50 times gross national income (GNI) per capita and located in the largest business city?	Princely County Court in Vaduz	
How long does it take on average to obtain a decision from the first-instance court for such a case (without appeal)?	Between 2 and 3 years	1.0
Are there publicly available statistics on the number of land disputes at the economy level in the first instance court?	No	0.0
Number of land disputes in the economy in 2018:		
Equal access to property rights index (-2-0)		0.0
Do unmarried men and unmarried women have equal ownership rights to property?	Yes	
Do married men and married women have equal ownership rights to property?	Yes	0.0

Getting Credit

This topic explores two sets of issues—the strength of credit reporting systems and the effectiveness of collateral and bankruptcy laws in facilitating lending. The most recent round of data collection for the project was completed in May 2019. [See the methodology for more information.](#)

What the indicators measure

Strength of legal rights index (0-12)

- Rights of borrowers and lenders through collateral laws (0-10)
- Protection of secured creditors' rights through bankruptcy laws (0-2)

Depth of credit information index (0-8)

- Scope and accessibility of credit information distributed by credit bureaus and credit registries (0-8)

Credit bureau coverage (% of adults)

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

Credit registry coverage (% of adults)

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

Case study assumptions

Doing Business assesses the sharing of credit information and the legal rights of borrowers and lenders with respect to secured transactions through 2 sets of indicators. The depth of credit information index measures rules and practices affecting the coverage, scope and accessibility of credit information available through a credit registry or a credit bureau. The strength of legal rights index measures the degree to which collateral and bankruptcy laws protect the rights of borrowers and lenders and thus facilitate lending. For each economy it is first determined whether a unitary secured transactions system exists. Then two case scenarios, case A and case B, are used to determine how a nonpossessory security interest is created, publicized and enforced according to the law. Special emphasis is given to how the collateral registry operates (if registration of security interests is possible). The case scenarios involve a secured borrower, company ABC, and a secured lender, BizBank.

In some economies the legal framework for secured transactions will allow only case A or case B (not both) to apply. Both cases examine the same set of legal provisions relating to the use of movable collateral.

Several assumptions about the secured borrower (ABC) and lender (BizBank) are used:

- ABC is a domestic limited liability company (or its legal equivalent).
- ABC has up to 50 employees.
- ABC has its headquarters and only base of operations in the economy's largest business city. For 11 economies the data are also collected for the second largest business city.
- Both ABC and BizBank are 100% domestically owned.

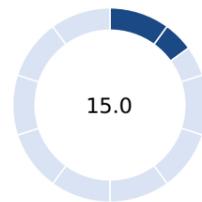
The case scenarios also involve assumptions. In case A, as collateral for the loan, ABC grants BizBank a nonpossessory security interest in one category of movable assets, for example, its machinery or its inventory. ABC wants to keep both possession and ownership of the collateral. In economies where the law does not allow nonpossessory security interests in movable property, ABC and BizBank use a fiduciary transfer-of-title arrangement (or a similar substitute for nonpossessory security interests).

In case B, ABC grants BizBank a business charge, enterprise charge, floating charge or any charge that gives BizBank a security interest over ABC's combined movable assets (or as much of ABC's movable assets as possible). ABC keeps ownership and possession of the assets.

Getting Credit - Liechtenstein*

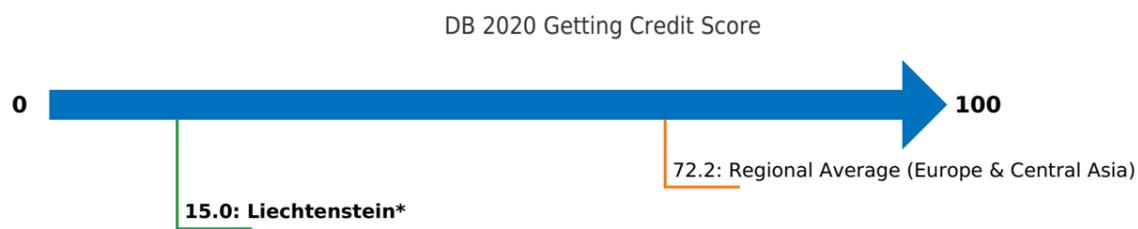
Indicator	Liechtenstein*	Europe & Central Asia	OECD high income	Best Regulatory Performance
Strength of legal rights index (0-12)	3	7.8	6.1	12 (5 Economies)
Depth of credit information index (0-8)	0	6.7	6.8	8 (53 Economies)
Credit registry coverage (% of adults)	0.0	24.0	24.4	100.0 (2 Economies)
Credit bureau coverage (% of adults)	0.0	41.7	66.7	100.0 (14 Economies)

Figure - Getting Credit in Liechtenstein* - Score



Score - Getting Credit

Figure - Getting Credit in Liechtenstein* and comparator economies - Ranking and Score



Note: The ranking of economies on the ease of getting credit is determined by sorting their scores for getting credit. These scores are the sum of the scores for the strength of legal rights index and the depth of credit information index.

Figure - Legal Rights in Liechtenstein* and comparator economies



Details - Legal Rights in Liechtenstein*

Strength of legal rights index (0-12)

3

Does an integrated or unified legal framework for secured transactions that extends to the creation, publicity and enforcement of functional equivalents to security interests in movable assets exist in the economy? No

Does the law allow businesses to grant a non possessory security right in a single category of movable assets, without requiring a specific description of collateral? No

Does the law allow businesses to grant a non possessory security right in substantially all of its assets, without requiring a specific description of collateral? No

May a security right extend to future or after-acquired assets, and does it extend automatically to the products, proceeds and replacements of the original assets? No

Is a general description of debts and obligations permitted in collateral agreements; can all types of debts and obligations be secured between parties; and can the collateral agreement include a maximum amount for which the assets are encumbered? Yes

Is a collateral registry in operation for both incorporated and non-incorporated entities, that is unified geographically and by asset type, with an electronic database indexed by debtor's name? No

Does a notice-based collateral registry exist in which all functional equivalents can be registered? No

Does a modern collateral registry exist in which registrations, amendments, cancellations and searches can be performed online by any interested third party? No

Are secured creditors paid first (i.e. before tax claims and employee claims) when a debtor defaults outside an insolvency procedure? Yes

Are secured creditors paid first (i.e. before tax claims and employee claims) when a business is liquidated? No

Are secured creditors subject to an automatic stay on enforcement when a debtor enters a court-supervised reorganization procedure? Does the law protect secured creditors' rights by providing clear grounds for relief from the stay and sets a time limit for it? No

Does the law allow parties to agree on out of court enforcement at the time a security interest is created? Does the law allow the secured creditor to sell the collateral through public auction or private tender, as well as, for the secured creditor to keep the asset in satisfaction of the debt? Yes

Figure - Credit Information in Liechtenstein* and comparator economies



Details - Credit Information in Liechtenstein*

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

Note: An economy receives a score of 1 if there is a "yes" to either bureau or registry. If the credit bureau or registry is not operational or covers less than 5% of the adult population, the total score on the depth of credit information index is 0.

Coverage	Credit bureau	Credit registry
Number of individuals	0	0
Number of firms	0	0
Total	0	0
Percentage of adult population	0.0	0.0

Protecting Minority Investors

This topic measures the strength of minority shareholder protections against misuse of corporate assets by directors for their personal gain as well as shareholder rights, governance safeguards and corporate transparency requirements that reduce the risk of abuse. The most recent round of data collection for the project was completed in May 2019. [See the methodology for more information.](#)

What the indicators measure

- **Extent of disclosure index (0-10):** Disclosure, review, and approval requirements for related-party transactions
- **Extent of director liability index (0-10):** Ability of minority shareholders to sue and hold interested directors liable for prejudicial related-party transactions; Available legal remedies (damages, disgorgement of profits, disqualification from managerial position(s) for one year or more, rescission of the transaction)
- **Ease of shareholder suits index (0-10):** Access to internal corporate documents; Evidence obtainable during trial and allocation of legal expenses
- **Extent of conflict of interest regulation index (0-30):** Sum of the extent of disclosure, extent of director liability and ease of shareholder suits indices
- **Extent of shareholder rights index (0-6):** Shareholders' rights and role in major corporate decisions
- **Extent of ownership and control index (0-7):** Governance safeguards protecting shareholders from undue board control and entrenchment
- **Extent of corporate transparency index (0-7):** Corporate transparency on ownership stakes, compensation, audits and financial prospects
- **Extent of shareholder governance index (0-20):** Sum of the extent of shareholders rights, extent of ownership and control and extent of corporate transparency indices
- **Strength of minority investor protection index (0-50):** Sum of the extent of conflict of interest regulation and extent of shareholder governance indices

Case study assumptions

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.
- 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.
- Has a supervisory board in economies with a two-tier board system on which Mr. James appointed 60% of the shareholder-elected members.
- Has not adopted bylaws or articles of association that go beyond the minimum requirements. Does not follow codes, principles, recommendations or guidelines that are not mandatory.
- Is a manufacturing company with its own distribution network.

The transaction involves the following details:

- Mr. James owns 60% of Buyer, sits on Buyer's board of directors and elected two directors to Buyer's five-member board.
- Mr. James also owns 90% of Seller, a company that operates a chain of retail hardware stores. Seller recently closed a large number of its stores.
- Mr. James proposes that Buyer purchase Seller's unused fleet of trucks to expand Buyer's distribution of its food products, a proposal to which Buyer agrees. The price is equal to 10% of Buyer's assets and is higher than the market value.
- The proposed transaction is part of the company's principal activity and is not outside the authority of the company.
- Buyer enters into the transaction. All required approvals are obtained, and all required disclosures made—that is, the transaction was not entered into fraudulently.
- The transaction causes damages to Buyer. Shareholders sue Mr. James and the executives and directors that approved the transaction.

Protecting Minority Investors - Liechtenstein*

Stock exchange information

Stock exchange	
Stock exchange URL	
Listed firms with equity securities	0
City Covered	Schaan

Indicator	Liechtenstein*	Europe & Central Asia	OECD high income	Best Regulatory Performance
Extent of disclosure index (0-10)	2.0	7.5	6.5	10 (13 Economies)
Extent of director liability index (0-10)	8.0	5.0	5.3	10 (3 Economies)
Ease of shareholder suits index (0-10)	5.0	6.8	7.3	10 (Djibouti)
Extent of shareholder rights index (0-6)	0.0	3.4	4.7	6 (19 Economies)
Extent of ownership and control index (0-7)	0.0	3.7	4.5	7 (9 Economies)
Extent of corporate transparency index (0-7)	0.0	4.1	5.7	7 (13 Economies)

Figure - Protecting Minority in Liechtenstein* - Score

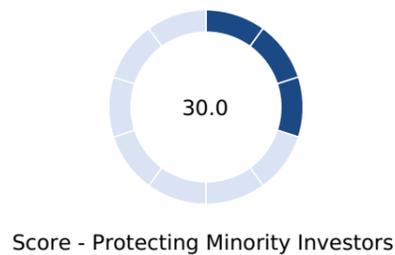
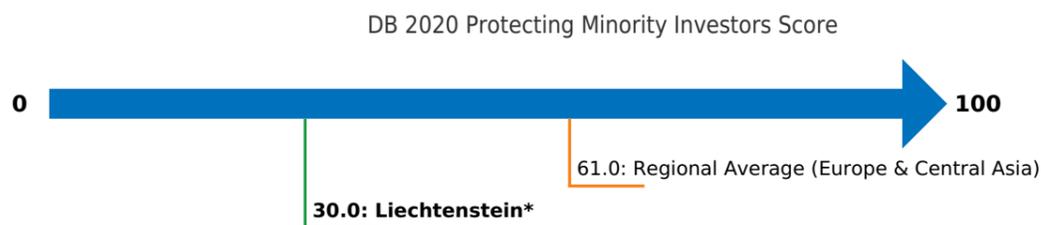
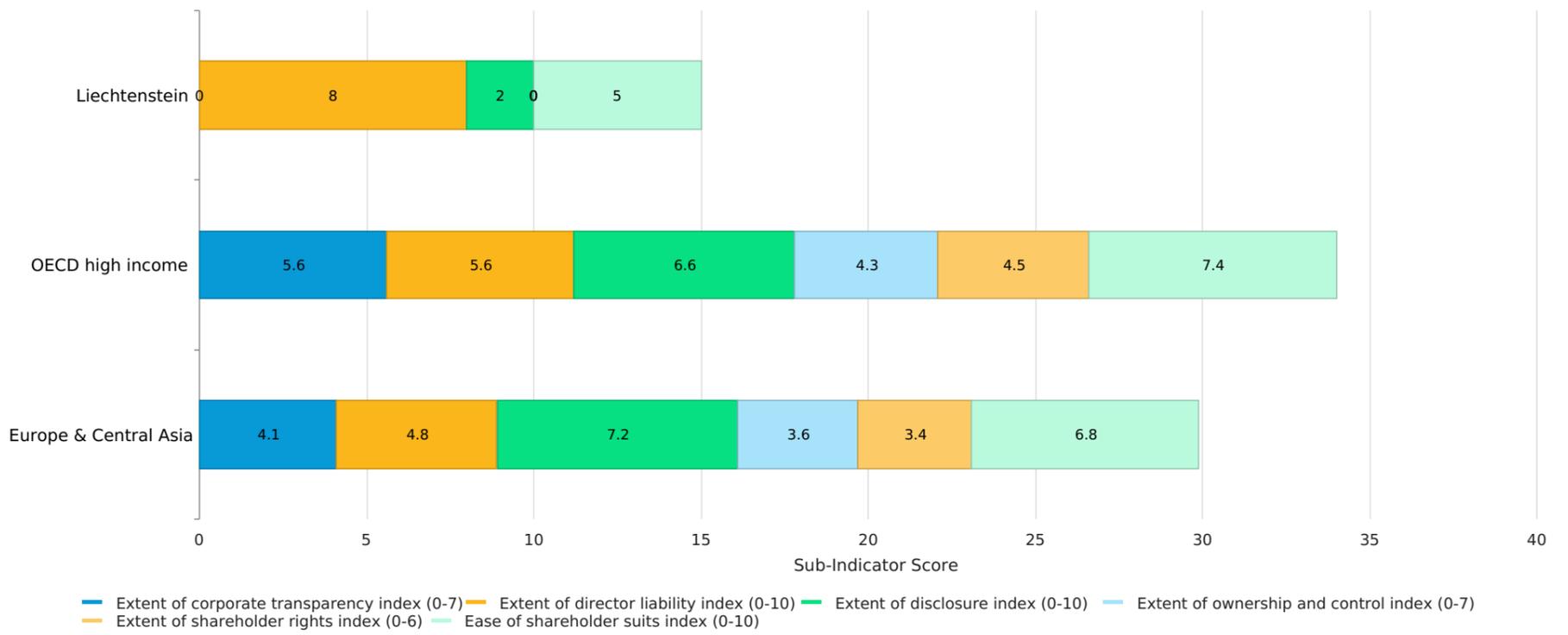


Figure - Protecting Minority Investors in Liechtenstein* and comparator economies - Ranking and Score



Note: The ranking of economies on the strength of minority investor protections is determined by sorting their scores for protecting minority investors. These scores are the simple average of the scores for the extent of conflict of interest regulation index and the extent of shareholder governance index.

Figure - Protecting Minority Investors in Liechtenstein* and comparator economies - Measure of Quality



Details - Protecting Minority Investors in Liechtenstein* - Measure of Quality

	Answer	Score
Extent of conflict of interest regulation index (0-30)		
Extent of disclosure index (0-10)		2.0
Whose decision is sufficient to approve the Buyer-Seller transaction? (0-3)	CEO alone	0.0
Must an external body review the terms of the transaction before it takes place? (0-1)	No	0.0
Must Mr. James disclose his conflict of interest to the board of directors? (0-2)	No disclosure obligation	0.0
Must Buyer disclose the transaction in periodic filings (e.g. annual reports)? (0-2)	Disclosure on the transaction and on the conflict of interest	2.0
Must Buyer immediately disclose the transaction to the public? (0-2)	No disclosure obligation	0.0
Extent of director liability index (0-10)		8.0
Can shareholders representing 10% of Buyer's share capital sue for the damage the transaction caused to Buyer? (0-1)	Yes	1.0
Can shareholders hold Mr. James liable for the damage the transaction caused to Buyer? (0-2)	Liable if unfair or prejudicial	2.0
Can shareholders hold the other directors liable for the damage the transaction caused to Buyer? (0-2)	Liable if unfair or prejudicial	2.0
Must Mr. James pay damages for the harm caused to Buyer upon a successful claim by shareholders? (0-1)	Yes	1.0
Must Mr. James repay profits made from the transaction upon a successful claim by shareholders? (0-1)	Yes	1.0
Is Mr. James disqualified upon a successful claim by shareholders? (0-1)	No	0.0
Can a court void the transaction upon a successful claim by shareholders? (0-2)	Voidable if negligently concluded	1.0
Ease of shareholder suits index (0-10)		5.0
Before suing, can shareholders representing 10% of Buyer's share capital inspect the transaction documents? (0-1)	No	0.0
Can the plaintiff obtain any documents from the defendant and witnesses at trial? (0-3)	Any relevant document	3.0
Can the plaintiff request categories of documents from the defendant without identifying specific ones? (0-1)	No	0.0
Can the plaintiff directly question the defendant and witnesses at trial? (0-2)	No	0.0
Is the level of proof required for civil suits lower than that of criminal cases? (0-1)	Yes	1.0
Can shareholder plaintiffs recover their legal expenses from the company? (0-2)	Yes if successful	1.0
Extent of shareholder governance index (0-20)		
Extent of shareholder rights index (0-6)		0.0
Does the sale of 51% of Buyer's assets require shareholder approval?	No	0.0
Can shareholders representing 10% of Buyer's share capital call for a meeting of shareholders?	Yes	1.0
Must Buyer obtain its shareholders' approval every time it issues new shares?	No	0.0
Do shareholders automatically receive preemption rights every time Buyer issues new shares?	Yes	1.0
Do shareholders elect and dismiss the external auditor?	Yes	1.0
Are changes to the rights of a class of shares only possible if the holders of the affected shares approve?	Yes	1.0
Extent of ownership and control index (0-7)		0.0
Is it forbidden to appoint the same individual as CEO and chairperson of the board of directors?	No	0.0

Must the board of directors include independent and nonexecutive board members?	No	0.0
Can shareholders remove members of the board of directors without cause before the end of their term?	No	0.0
Must the board of directors include a separate audit committee exclusively comprising board members?	No	0.0
Must a potential acquirer make a tender offer to all shareholders upon acquiring 50% of Buyer?	No	0.0
Must Buyer pay declared dividends within a maximum period set by law?	No	0.0
Is a subsidiary prohibited from acquiring shares issued by its parent company?	No	0.0
Extent of corporate transparency index (0-7)		0.0
Must Buyer disclose direct and indirect beneficial ownership stakes representing 5%?	No	0.0
Must Buyer disclose information about board members' primary employment and directorships in other companies?	No	0.0
Must Buyer disclose the compensation of individual managers?	No	0.0
Must a detailed notice of general meeting be sent 21 days before the meeting?	No	0.0
Can shareholders representing 5% of Buyer's share capital put items on the general meeting agenda?	No	0.0
Must Buyer's annual financial statements be audited by an external auditor?	Yes	1.0
Must Buyer disclose its audit reports to the public?	Yes	1.0

Paying Taxes

This topic records the taxes and mandatory contributions that a medium-size company must pay or withhold in a given year, as well as the administrative burden of paying taxes and contributions and complying with postfiling procedures (VAT refund and tax audit). The most recent round of data collection for the project was completed in May 2019 covering for the Paying Taxes indicator calendar year 2018 (January 1, 2018 – December 31, 2018). [See the methodology for more information.](#)

What the indicators measure

Tax payments for a manufacturing company in 2018 (number per year adjusted for electronic and joint filing and payment)

- Total number of taxes and contributions paid or withheld, 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, computing tax payable
- Preparing separate tax accounting books, if required
- Completing tax return, filing with agencies
- Arranging payment or withholding

Total tax and contribution rate (% of commercial profits)

- Profit or corporate income tax
- Social contributions, labor taxes paid by employer
- Property and property transfer taxes
- Dividend, capital gains, financial transactions taxes
- Waste collection, vehicle, road and other taxes

Postfiling Index

- Time to comply with VAT refund (hours)
- Time to obtain VAT refund (weeks)
- Time to comply with a corporate income tax correction (hours)
- Time to complete a corporate income tax correction (weeks)

Case study assumptions

Using a case scenario, *Doing Business* records taxes and mandatory contributions a medium size company must pay in a year, and measures the administrative burden of paying taxes, contributions and dealing with postfiling processes. Information is also compiled on frequency of filing and payments, time taken to comply with tax laws, time taken to comply with the requirements of postfiling processes and time waiting.

To make data comparable across economies, several assumptions are used:

- TaxpayerCo is a medium-size business that started operations on January 1, 2017. It produces ceramic flowerpots and sells them at retail. All taxes and contributions recorded are paid in the second year of operation (calendar year 2018). Taxes and mandatory contributions are measured at all levels of government.

The VAT refund process:

- In June 2018, TaxpayerCo. makes a large capital purchase: the value of the machine is 65 times income per capita of the economy. Sales are equally spread per month (1,050 times income per capita divided by 12) and cost of goods sold are equally expensed per month (875 times income per capita divided by 12). The machinery seller is registered for VAT and excess input VAT incurred in June will be fully recovered after four consecutive months if the VAT rate is the same for inputs, sales and the machine and the tax reporting period is every month. Input VAT will exceed Output VAT in June 2018.

The corporate income tax audit process:

- An error in calculation of income tax liability (for example, use of incorrect tax depreciation rates, or incorrectly treating an expense as tax deductible) leads to an incorrect income tax return and a corporate income tax underpayment. TaxpayerCo. discovered the error and voluntarily notified the tax authority. The value of the underpaid income tax liability is 5% of the corporate income tax liability due. TaxpayerCo. submits corrected information after the deadline for submitting the annual tax return, but within the tax assessment period.

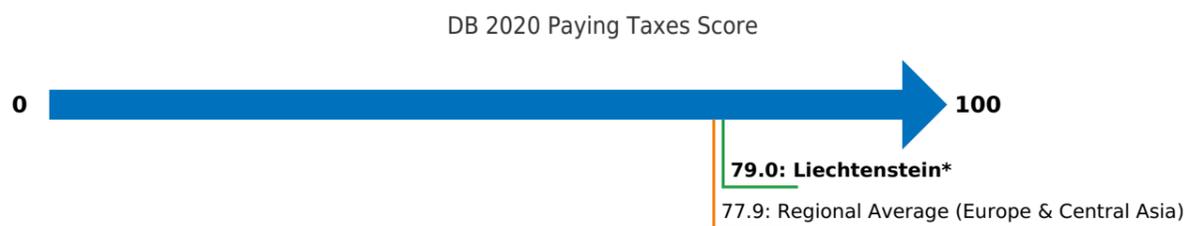
Paying Taxes - Liechtenstein*

Indicator	Liechtenstein*	Europe & Central Asia	OECD high income	Best Regulatory Performance
Payments (number per year)	34	14.4	10.3	3 (2 Economies)
Time (hours per year)	49	213.1	158.8	49 (3 Economies)
Total tax and contribution rate (% of profit)	21.6	31.7	39.9	26.1 (33 Economies)
Postfiling index (0-100)	67.6	68.2	86.7	None in 2018/19

Figure - Paying Taxes in Liechtenstein* - Score



Figure - Paying Taxes in Liechtenstein* and comparator economies - Ranking and Score



Note: The ranking of economies on the ease of paying taxes is determined by sorting their scores for paying taxes. These scores are the simple average of the scores for each of the component indicators, with a threshold and a nonlinear transformation applied to one of the component indicators, the total tax and contribution rate. The threshold is defined as the total tax and contribution rate at the 15th percentile of the overall distribution for all years included in the analysis up to and including Doing Business 2015, which is 26.1%. All economies with a total tax and contribution rate below this threshold receive the same score as the economy at the threshold.

Figure - Paying Taxes in Liechtenstein* and comparator economies - Measure of Quality



Details - Paying Taxes in Liechtenstein*

Tax or mandatory contribution	Payments (number)	Notes on Payments	Time (hours)	Statutory tax rate	Tax base	Total tax and contribution rate (% of profit)	Notes on TTCR
Employer paid - social security contribution (AHV, IV, FAK)	12.0		29.0	7.0875%	gross salaries	7.88	
Corporate income tax	1.0		11.0	12.5%	taxable income	6.40	
Employer paid - pension fund	12.0			5%	gross salaries	5.64	
Employer paid - occupational accident insurance	1.0			per employee	gross salaries	1.13	
Employer paid - unemployment insurance (ALV)	0.0	jointly		0.5%	gross salaries	0.53	
Stamp duty on insurance contracts	1.0			2.5%-5%	insurance premium	0.05	
VAT	4.0		9.0	7.7%	value added	0.00	not included
Vehicle tax	1.0			fixed fee	depends on truck weight	0.00	small amount
Fuel tax	1.0			included in fuel price		0.00	small amount
Heavy vehicle tax (LSVA)	1.0			fixed fee	depends on the total weight, the emission level and the kilometers traveled in Switzerland and Liechtenstein	0.00	small amount
Employee paid - social security contribution (AHV, IV, FAK) and ALV	0.0	jointly		5.2%	gross salaries		withheld
Totals	34		49			21.6	

Details - Paying Taxes in Liechtenstein* - Tax by Type

Taxes by type	Answer
Profit tax (% of profit)	6.4
Labor tax and contributions (% of profit)	15.2
Other taxes (% of profit)	0.1

Details - Paying Taxes in Liechtenstein* - Measure of Quality

	Answer	Score
Postfiling index (0-100)		67.6
VAT refunds		
Does VAT exist?	Yes	
Does a VAT refund process exist per the case study?	Yes	
Restrictions on VAT refund process	none	
Percentage of cases exposed to a VAT audit (%)	50% - 74%	
Is there a mandatory carry forward period?	No	
Time to comply with VAT refund (hours)	9.0	82.0
Time to obtain VAT refund (weeks)	28.0	53.1
Corporate income tax audits		
Does corporate income tax exist?	Yes	
Percentage of cases exposed to a corporate income tax audit (%)	50% - 74%	
Time to comply with a corporate income tax correction (hours)	11.5	81.7
Time to complete a corporate income tax correction (weeks)	14.9	53.6

Notes: Names of taxes have been standardized. For instance income tax, profit tax, tax on company's income are all named corporate income tax in this table.

The hours for VAT include all the VAT and sales taxes applicable.

The hours for Social Security include all the hours for labor taxes and mandatory contributions in general.

The postfiling index is the average of the scores on time to comply with VAT refund, time to obtain a VAT refund, time to comply with a corporate income tax correction and time to complete a corporate income tax correction.

N/A = Not applicable.

Trading across Borders

Doing Business records the time and cost associated with the logistical process of exporting and importing goods. *Doing Business* measures the time and cost (excluding tariffs) associated with three sets of procedures—documentary compliance, border compliance and domestic transport—within the overall process of exporting or importing a shipment of goods. The most recent round of data collection for the project was completed in May 2019. [See the methodology for more information.](#)

What the indicators measure

Documentary compliance

- Obtaining, preparing and submitting documents during transport, clearance, inspections and port or border handling in origin economy
- Obtaining, preparing and submitting documents required by destination economy and any transit economies
- Covers all documents required by law and in practice, including electronic submissions of information

Border compliance

- Customs clearance and inspections
- Inspections by other agencies (if applied to more than 20% of shipments)
- Handling and inspections that take place at the economy's port or border

Domestic transport

- Loading or unloading of the shipment at the warehouse or port/border
- Transport between warehouse and port/border
- Traffic delays and road police checks while shipment is en route

Case study assumptions

To make the data comparable across economies, a few assumptions are made about the traded goods and the transactions:

Time: Time is measured in hours, and 1 day is 24 hours (for example, 22 days are recorded as $22 \times 24 = 528$ hours). If customs clearance takes 7.5 hours, the data are recorded as is. Alternatively, suppose documents are submitted to a customs agency at 8:00a.m., are processed overnight and can be picked up at 8:00a.m. the next day. The time for customs clearance would be recorded as 24 hours because the actual procedure took 24 hours.

Cost: Insurance cost and informal payments for which no receipt is issued are excluded from the costs recorded. Costs are reported in U.S. dollars. Contributors are asked to convert local currency into U.S. dollars based on the exchange rate prevailing on the day they answer the questionnaire. Contributors are private sector experts in international trade logistics and are informed about exchange rates.

Assumptions of the case study:

- For all 190 economies covered by *Doing Business*, it is assumed a shipment is in a warehouse in the largest business city of the exporting economy and travels to a warehouse in the largest business city of the importing economy.
- It is assumed each economy imports 15 metric tons of containerized auto parts (HS 8708) from its natural import partner—the economy from which it imports the largest value (price times quantity) of auto parts. It is assumed each economy exports the product of its comparative advantage (defined by the largest export value) to its natural export partner—the economy that is the largest purchaser of this product. Shipment value is assumed to be \$50,000.
- The mode of transport is the one most widely used for the chosen export or import product and the trading partner, as is the seaport or land border crossing.
- All electronic information submissions requested by any government agency in connection with the shipment are considered to be documents obtained, prepared and submitted during the export or import process.
- A port or border is a place (seaport or land border crossing) where merchandise can enter or leave an economy.
- Relevant government agencies include customs, port authorities, road police, border guards, standardization agencies, ministries or departments of agriculture or industry, national security agencies and any other government authorities.

Trading across Borders - Liechtenstein*

Indicator	Liechtenstein*	Europe & Central Asia	OECD high income	Best Regulatory Performance
Time to export: Border compliance (hours)	1	16.1	12.7	1 (19 Economies)
Cost to export: Border compliance (USD)	115	150.0	136.8	0 (19 Economies)
Time to export: Documentary compliance (hours)	2	25.1	2.3	1 (26 Economies)
Cost to export: Documentary compliance (USD)	27	87.6	33.4	0 (20 Economies)
Time to import: Border compliance (hours)	1	20.4	8.5	1 (25 Economies)
Cost to import: Border compliance (USD)	115	158.8	98.1	0 (28 Economies)
Time to import: Documentary compliance (hours)	2	23.4	3.4	1 (30 Economies)
Cost to import: Documentary compliance (USD)	27	85.9	23.5	0 (30 Economies)

Figure - Trading across Borders in Liechtenstein* - Score

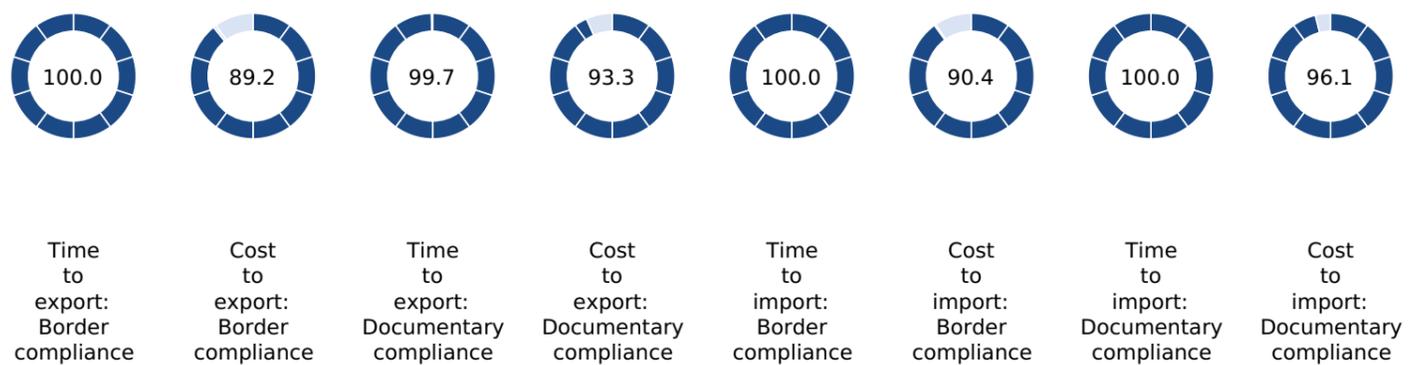
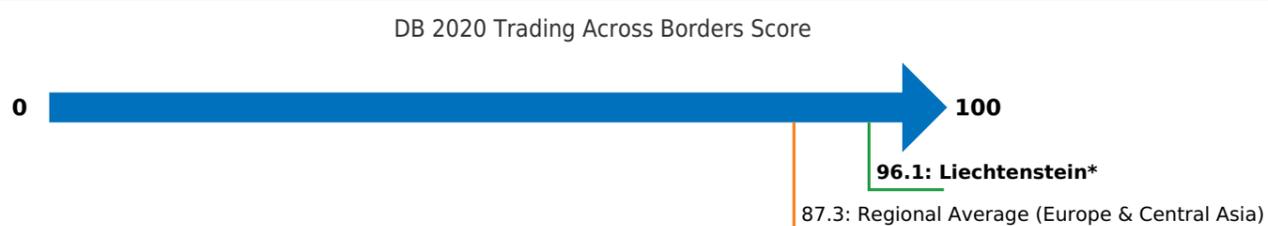
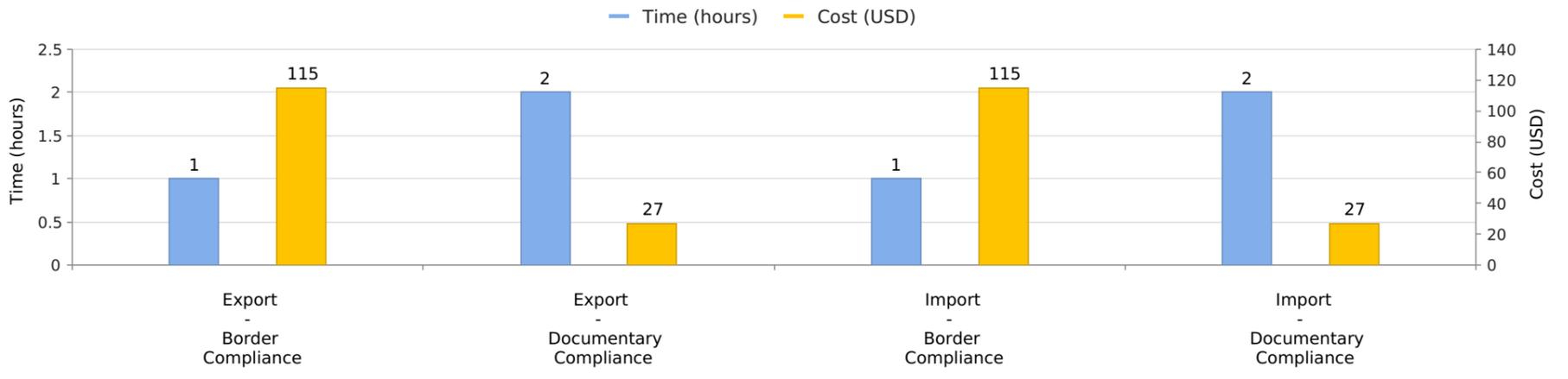


Figure - Trading across Borders in Liechtenstein* and comparator economies - Ranking and Score



Note: The ranking of economies on the ease of trading across borders is determined by sorting their scores for trading across borders. These scores are the simple average of the scores for the time and cost for documentary compliance and border compliance to export and import.

Figure - Trading across Borders in Liechtenstein* - Time and Cost



Details - Trading across Borders in Liechtenstein*

Characteristics	Export	Import
Product	HS 85 : Electrical machinery and equipment and parts thereof; sound recorders and reproducers, television image and sound recorders and reproducers, and parts and accessories of such articles	HS 8708: Parts and accessories of motor vehicles
Trade partner	Germany	Germany
Border	Schaanwald border crossing	Schaanwald border crossing
Distance (km)	8	8
Domestic transport time (hours)	1	1
Domestic transport cost (USD)	100	100

Details - Trading across Borders in Liechtenstein* - Components of Border Compliance

	Time to Complete (hours)	Associated Costs (USD)
Export: Clearance and inspections required by customs authorities	1.0	115.0
Export: Clearance and inspections required by agencies other than customs	0.0	0.0
Export: Port or border handling	1.0	0.0
Import: Clearance and inspections required by customs authorities	1.0	115.0
Import: Clearance and inspections required by agencies other than customs	0.0	0.0
Import: Port or border handling	1.0	0.0

Details - Trading across Borders in Liechtenstein* - Trade Documents

Export	Import
Commercial invoice	Commercial invoice
Customs Export Declaration	Customs Import Declaration
Tracer (Laufzettel)	Tracer (Laufzettel)
Packing list	Packing list
CMR Waybill	CMR Waybill
Certificate of origin (EUR.1)	Certificate of origin (EUR.1)

Enforcing Contracts

The enforcing contracts indicator measures the time and cost for resolving a commercial dispute through a local first-instance court, and the quality of judicial processes index, evaluating whether each economy has adopted a series of good practices that promote quality and efficiency in the court system. The most recent round of data collection was completed in May 2019. [See the methodology for more information.](#)

What the indicators measure

Time required to enforce a contract through the courts (calendar days)

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

Cost required to enforce a contract through the courts (% of claim value)

- Average attorney fees
- Court costs
- Enforcement costs

Quality of judicial processes index (0-18)

- Court structure and proceedings (-1-5)
- Case management (0-6)
- Court automation (0-4)
- Alternative dispute resolution (0-3)

Case study assumptions

The dispute in the case study involves the breach of a sales contract between two 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 on the time and comparable across economies, several assumptions about the case are used:

- The dispute concerns a lawful transaction between two businesses (Seller and Buyer), both located in the economy's largest business city. For 11 economies the data are also collected for the second largest business city.
- The Buyer orders custom-made furniture, then fails to pay alleging that the goods are not of adequate quality.
- The value of the dispute is 200% of the income per capita or the equivalent in local currency of USD 5,000, whichever is greater.
- The Seller sues the Buyer before the court with jurisdiction over commercial cases worth 200% of income per capita or \$5,000 whichever is greater.
- The Seller requests the pretrial attachment of the defendant's movable assets to secure the claim.
- The claim is disputed on the merits because of Buyer's allegation that the quality of the goods was not adequate.
- 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 - Liechtenstein*

Standardized Case

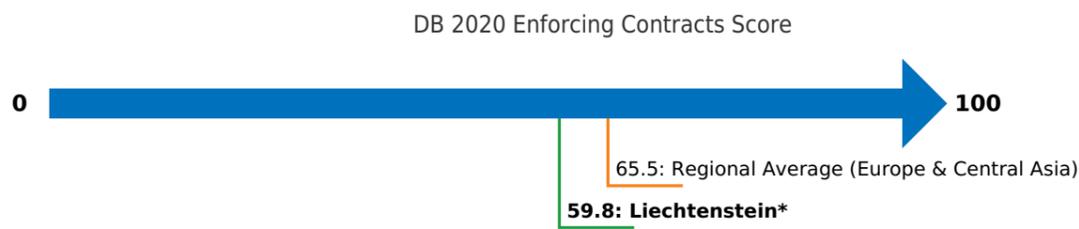
Claim value	CHF 307,757
Court name	District Princely Court
City Covered	Schaan

Indicator	Liechtenstein*	Europe & Central Asia	OECD high income	Best Regulatory Performance
Time (days)	640	496.4	589.6	120 (Singapore)
Cost (% of claim value)	12.7	26.6	21.5	0.1 (Bhutan)
Quality of judicial processes index (0-18)	6.5	10.3	11.7	None in 2018/19

Figure - Enforcing Contracts in Liechtenstein* - Score



Figure - Enforcing Contracts in Liechtenstein* and comparator economies - Ranking and Score



Note: The ranking of economies on the ease of enforcing contracts is determined by sorting their scores for enforcing contracts. These scores are the simple average of the scores for each of the component indicators.

Figure - Enforcing Contracts in Liechtenstein* - Time and Cost

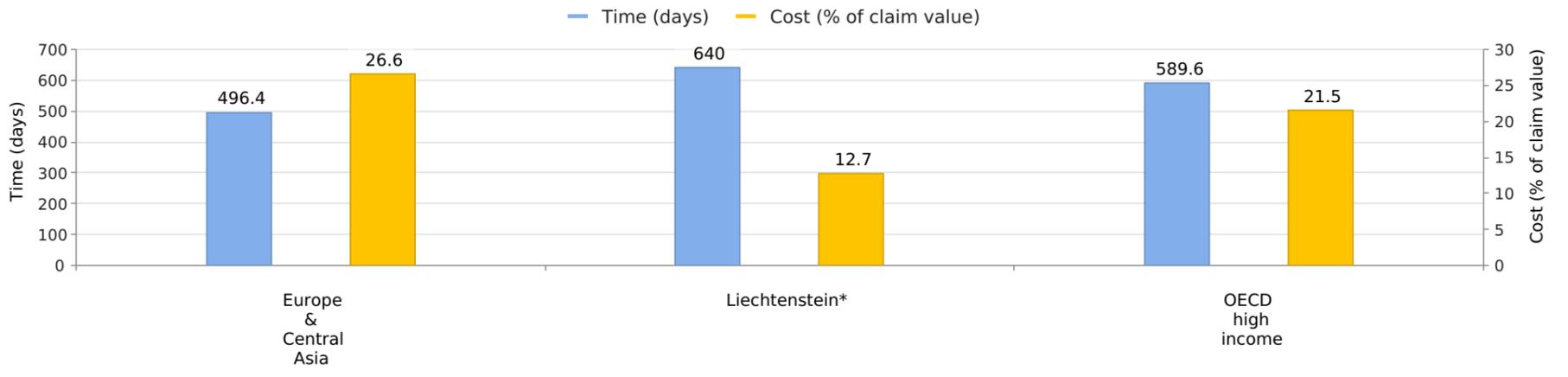
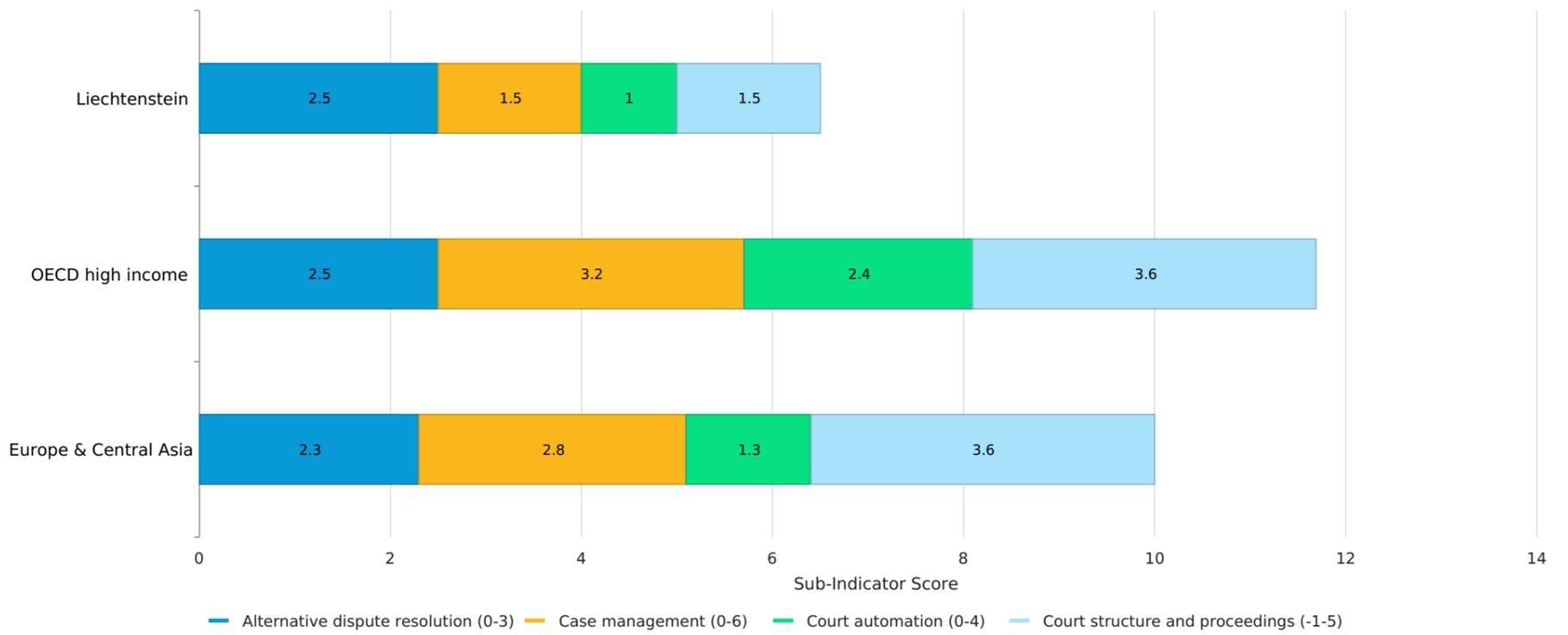


Figure - Enforcing Contracts in Liechtenstein* and comparator economies - Measure of Quality



Details - Enforcing Contracts in Liechtenstein*

	Indicator
Time (days)	640
Filing and service	50
Trial and judgment	365
Enforcement of judgment	225
Cost (% of claim value)	12.7
Attorney fees	9.8
Court fees	2.3
Enforcement fees	0.6
Quality of judicial processes index (0-18)	6.5
Court structure and proceedings (-1-5)	1.5
Case management (0-6)	1.5
Court automation (0-4)	1.0
Alternative dispute resolution (0-3)	2.5

Details - Enforcing Contracts in Liechtenstein* - Measure of Quality

	Answer	Score
Quality of judicial processes index (0-18)		6.5
Court structure and proceedings (-1-5)		1.5
1. Is there a court or division of a court dedicated solely to hearing commercial cases?	No	0.0
2. Small claims court		0.0
2.a. Is there a small claims court or a fast-track procedure for small claims?	No	
2.b. If yes, is self-representation allowed?	n.a.	
3. Is pretrial attachment available?	Yes	1.0
4. Are new cases assigned randomly to judges?	Yes, but manual	0.5
5. Does a woman's testimony carry the same evidentiary weight in court as a man's?	Yes	0.0
Case management (0-6)		1.5
1. Time standards		0.0
1.a. Are there laws setting overall time standards for key court events in a civil case?	No	
1.b. If yes, are the time standards set for at least three court events?	n.a.	
1.c. Are these time standards respected in more than 50% of cases?	No	
2. Adjournments		0.5
2.a. Does the law regulate the maximum number of adjournments that can be granted?	No	
2.b. Are adjournments limited to unforeseen and exceptional circumstances?	Yes	
2.c. If rules on adjournments exist, are they respected in more than 50% of cases?	Yes	
3. Can two of the following four reports be generated about the competent court: (i) time to disposition report; (ii) clearance rate report; (iii) age of pending cases report; and (iv) single case progress report?	Yes	1.0
4. Is a pretrial conference among the case management techniques used before the competent court?	No	0.0
5. Are there any electronic case management tools in place within the competent court for use by judges?	No	0.0
6. Are there any electronic case management tools in place within the competent court for use by lawyers?	No	0.0
Court automation (0-4)		1.0
1. Can the initial complaint be filed electronically through a dedicated platform within the competent court?	No	0.0
2. Is it possible to carry out service of process electronically for claims filed before the competent court?	No	0.0
3. Can court fees be paid electronically within the competent court?	Yes	1.0
4. Publication of judgments		0.0
4.a. Are judgments rendered in commercial cases at all levels made available to the general public through publication in official gazettes, in newspapers or on the internet or court website?	No	
4.b. Are judgments rendered in commercial cases at the appellate and supreme court level made available to the general public through publication in official gazettes, in newspapers or on the internet or court website?	No	
Alternative dispute resolution (0-3)		2.5
1. Arbitration		1.5
1.a. Is domestic commercial arbitration governed by a consolidated law or consolidated chapter or section of the applicable code of civil procedure encompassing substantially all its aspects?	Yes	
1.b. Are there any commercial disputes—aside from those that deal with public order or public policy—that cannot be submitted to arbitration?	No	
1.c. Are valid arbitration clauses or agreements usually enforced by the courts?	Yes	

2. Mediation/Conciliation	1.0
2.a. Is voluntary mediation or conciliation available?	Yes
2.b. Are mediation, conciliation or both governed by a consolidated law or consolidated chapter or section of the applicable code of civil procedure encompassing substantially all their aspects (for example, definition, aim and scope of application, design)?	Yes
2.c. Are there financial incentives for parties to attempt mediation or conciliation (i.e., if mediation or conciliation is successful, a refund of court filing fees, income tax credits or the like)?	No

Resolving Insolvency

Doing Business studies the time, cost and outcome of insolvency proceedings involving domestic legal entities. These variables are used to calculate the recovery rate, which is recorded as cents on the dollar recovered by secured creditors through reorganization, liquidation or debt enforcement (foreclosure or receivership) proceedings. To determine the present value of the amount recovered by creditors, *Doing Business* uses the lending rates from the International Monetary Fund, supplemented with data from central banks and the Economist Intelligence Unit. The most recent round of data collection was completed in May 2019. [See the methodology for more information.](#)

What the indicators measure	Case study assumptions
<p>Time required to recover debt (years)</p> <ul style="list-style-type: none"> • Measured in calendar years • Appeals and requests for extension are included <p>Cost required to recover debt (% of debtor's estate)</p> <ul style="list-style-type: none"> • Measured as percentage of estate value • Court fees • Fees of insolvency administrators • Lawyers' fees • Assessors' and auctioneers' fees • Other related fees <p>Outcome</p> <ul style="list-style-type: none"> • Whether business continues operating as a going concern or business assets are sold piecemeal <p>Recovery rate for creditors</p> <ul style="list-style-type: none"> • Measures the cents on the dollar recovered by secured creditors • Outcome for the business (survival or not) determines the maximum value that can be recovered • Official costs of the insolvency proceedings are deducted • Depreciation of furniture is taken into account • Present value of debt recovered <p>Strength of insolvency framework index (0- 16)</p> <ul style="list-style-type: none"> • Sum of the scores of four component indices: • Commencement of proceedings index (0-3) • Management of debtor's assets index (0-6) • Reorganization proceedings index (0-3) • Creditor participation index (0-4) 	<p>To make the data on the time, cost and outcome comparable across economies, several assumptions about the business and the case are used:</p> <ul style="list-style-type: none"> - A hotel located in the largest city (or cities) has 201 employees and 50 suppliers. The hotel experiences financial difficulties. - The value of the hotel is 100% of the income per capita or the equivalent in local currency of USD 200,000, whichever is greater. - The hotel has a loan from a domestic bank, secured by a mortgage over the hotel's real estate. The hotel cannot pay back the loan, but makes enough money to operate otherwise. <p>In addition, <i>Doing Business</i> evaluates the quality of legal framework applicable to judicial liquidation and reorganization proceedings and the extent to which best insolvency practices have been implemented in each economy covered.</p>

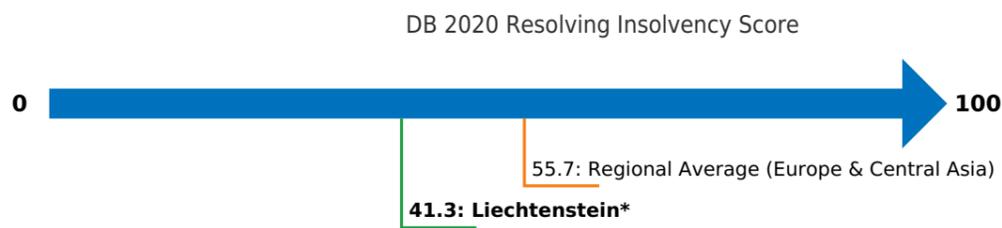
Resolving Insolvency - Liechtenstein*

Indicator	Liechtenstein*	Europe & Central Asia	OECD high income	Best Regulatory Performance
Recovery rate (cents on the dollar)	47.7	38.5	70.2	92.9 (Norway)
Time (years)	1.5	2.3	1.7	0.4 (Ireland)
Cost (% of estate)	12.7	13.3	9.3	1.0 (Norway)
Outcome (0 as piecemeal sale and 1 as going concern)	0
Strength of insolvency framework index (0-16)	5.0	11.2	11.9	None in 2018/19

Figure - Resolving Insolvency in Liechtenstein* - Score



Figure - Resolving Insolvency in Liechtenstein* and comparator economies - Ranking and Score



Note: The ranking of economies on the ease of resolving insolvency is determined by sorting their scores for resolving insolvency. These scores are the simple average of the scores for the recovery rate and the strength of insolvency framework index.

Figure - Resolving Insolvency in Liechtenstein* - Time and Cost

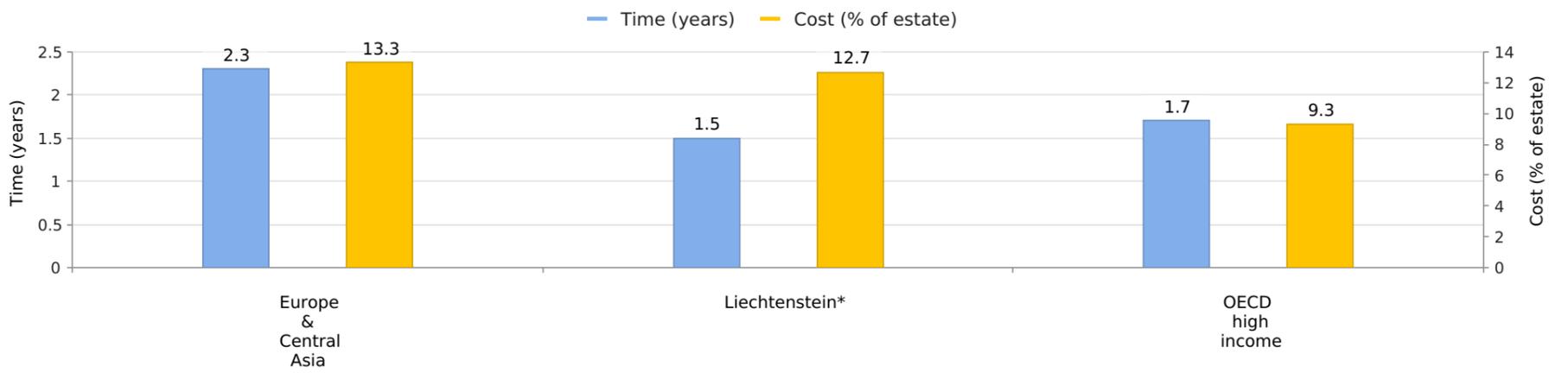
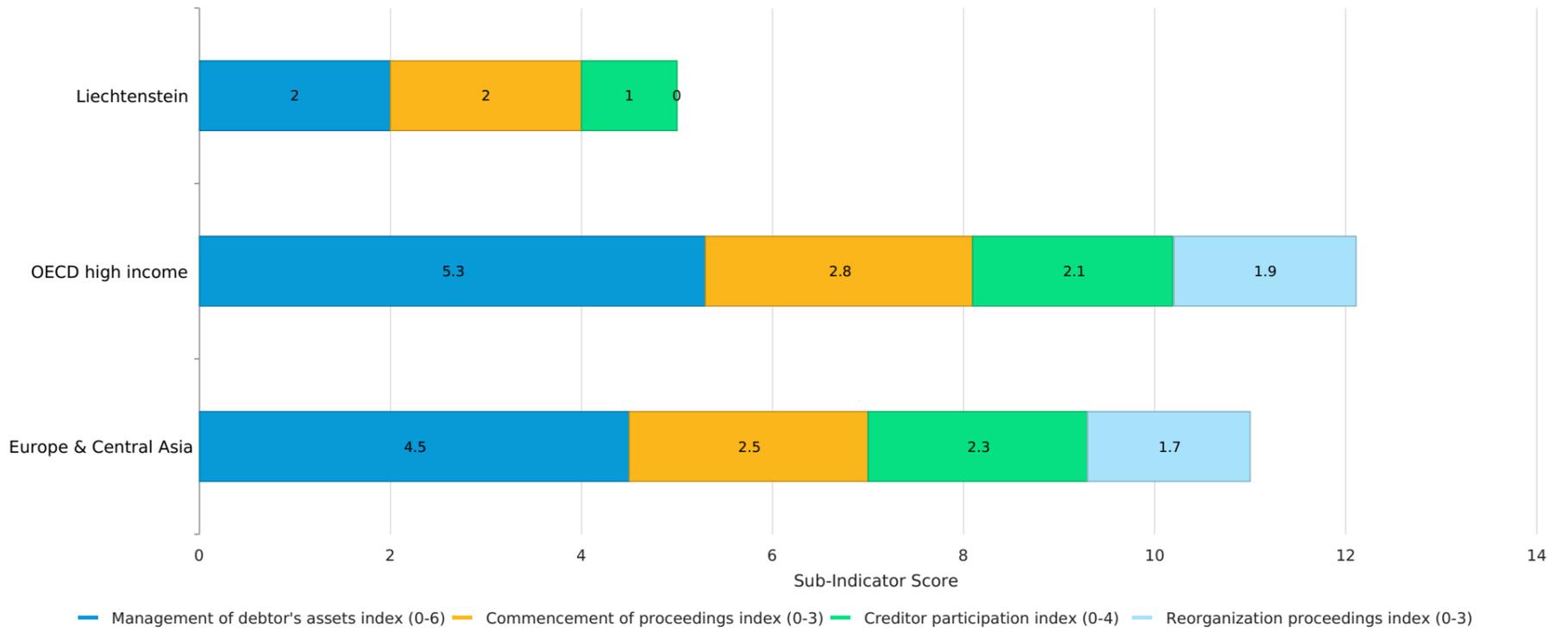
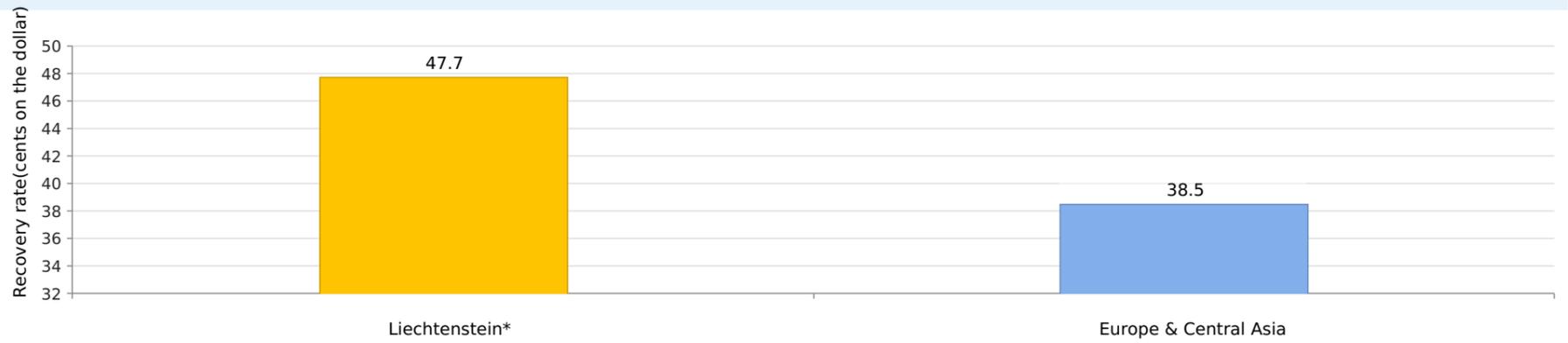


Figure - Resolving Insolvency in Liechtenstein* and comparator economies - Measure of Quality



Note: Even if the economy's legal framework includes provisions related to insolvency proceedings (liquidation or reorganization), the economy receives 0 points for the strength of insolvency framework index, if time, cost and outcome indicators are recorded as "no practice."

Figure - Resolving Insolvency in Liechtenstein* and comparator economies - Recovery Rate



Details - Resolving Insolvency in Liechtenstein*

Indicator	Answer	Score
Proceeding	liquidation	Mirage is over-indebted (überschuldet) within the meaning of Art. 9 of the Liechtenstein Insolvency Act (KO). After commencement of the insolvency proceedings, a receiver will be appointed and Mirage will be liquidated.
Outcome	piecemeal sale	Mirage does not have enough resources to fulfill the going concern test and will be liquidated by the court-appointed receiver.
Time (in years)	1.5	The main steps are as follows: (i) The debtor files for bankruptcy. (ii) The court evaluates the application, appoints the receiver and gives creditors a term to file their claims. Each creditor must file its claim and state the class. The court also schedules the first hearing with this order. (iii) The receiver will compile the list of creditors, accepting or rejecting their claims and present a report to the court. The receiver's decision can be challenged which could substantially delay the termination of the proceeding but would not delay the auction and sale of the assets process. (iv) The sale of the assets runs in parallel with the rest of the procedure. (v) Following the sale, the receiver will prepare a report accounting for all the proceeds. (vi) After filing the report with the court, the court schedules a hearing. (v) The receiver distributes the proceedings at the very end to ensure equal treatment of creditors.
Cost (% of estate)	12.7	The main costs are the receiver's fee (10%), the Court fees (0.2%), and the auctioneer, accountant and other fees (2.5%)
Recovery rate (cents on the dollar)		47.7

Details - Resolving Insolvency in Liechtenstein* - Measure of Quality

	Answer	Score
Strength of insolvency framework index (0-16)		5.0
Commencement of proceedings index (0-3)		2.0
What procedures are available to a DEBTOR when commencing insolvency proceedings?	(b) Debtor may file for liquidation only	0.5
Does the insolvency framework allow a CREDITOR to file for insolvency of the debtor?	(b) Yes, but a creditor may file for liquidation only	0.5
What basis for commencement of the insolvency proceedings is allowed under the insolvency framework? (a) Debtor is generally unable to pay its debts as they mature (b) The value of debtor's liabilities exceeds the value of its assets	(c) Both (a) and (b) options are available, but only one of them needs to be complied with	1.0
Management of debtor's assets index (0-6)		2.0
Does the insolvency framework allow the continuation of contracts supplying essential goods and services to the debtor?	No	0.0
Does the insolvency framework allow the rejection by the debtor of overly burdensome contracts?	No	0.0
Does the insolvency framework allow avoidance of preferential transactions?	Yes	1.0
Does the insolvency framework allow avoidance of undervalued transactions?	Yes	1.0
Does the insolvency framework provide for the possibility of the debtor obtaining credit after commencement of insolvency proceedings?	No	0.0
Does the insolvency framework assign priority to post-commencement credit?	(c) No priority is assigned to post-commencement creditors	0.0
Reorganization proceedings index (0-3)		0.0
Which creditors vote on the proposed reorganization plan?	N/A	0.0
Does the insolvency framework require that dissenting creditors in reorganization receive at least as much as what they would obtain in a liquidation?	No	0.0
Are the creditors divided into classes for the purposes of voting on the reorganization plan, does each class vote separately and are creditors in the same class treated equally?	No	0.0
Creditor participation index (0-4)		1.0
Does the insolvency framework require approval by the creditors for selection or appointment of the insolvency representative?	No	0.0
Does the insolvency framework require approval by the creditors for sale of substantial assets of the debtor?	No	0.0
Does the insolvency framework provide that a creditor has the right to request information from the insolvency representative?	No	0.0
Does the insolvency framework provide that a creditor has the right to object to decisions accepting or rejecting creditors' claims?	Yes	1.0

Note: Even if the economy's legal framework includes provisions related to insolvency proceedings (liquidation or reorganization), the economy receives 0 points for the strength of insolvency framework index, if time, cost and outcome indicators are recorded as "no practice."

Employing Workers

Doing Business presents detailed data for the employing workers indicators on the *Doing Business* website (<http://www.doingbusiness.org>). The study does not present rankings of economies on these indicators or include the topic in the aggregate ease of doing business score or ranking on the ease of doing business.

The most recent round of data collection was completed in May 2019. [See the methodology for more information.](#)

What the indicators measure

Hiring

(i) whether fixed-term contracts are prohibited for permanent tasks; (ii) maximum cumulative duration of fixed-term contracts; (iii) length of the maximum probationary period; (iv) minimum wage; (v) ratio of minimum wage to the average value added per worker.

Working hours

(i) maximum number of working days allowed per week; (ii) premiums for work: at night, on a weekly rest day and overtime; (iii) whether there are restrictions on work at night, work on a weekly rest day and for overtime work; (iv) length of paid annual leave.

Redundancy rules

(i) whether redundancy can be basis for terminating workers; (ii) whether employer needs to notify and/or get approval from third party to terminate 1 redundant worker and a group of 9 redundant workers; (iii) whether the law requires employer to reassign or retrain a worker before making worker redundant; (iv) whether priority rules apply for redundancies and reemployment.

Redundancy cost

(i) notice period for redundancy dismissal; (ii) severance payments, and (iii) penalties due when terminating a redundant worker. Data on the availability of unemployment protection for a worker with one year of employment is also collected.

Case study assumptions

To make the data comparable across economies, several assumptions about the worker and the business are used.

The worker:

- Is a cashier in a supermarket or grocery store, age 19, with one year of work experience.
- Is a full-time employee.
- Is not a member of the labor union, unless membership is mandatory.

The business:

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

Employing Workers - Liechtenstein*

Details - Employing Workers in Liechtenstein*

	Answer
Hiring	
Fixed-term contracts prohibited for permanent tasks?	No
Maximum length of a single fixed-term contract (months)	120.0
Maximum length of fixed-term contracts, including renewals (months)	120.0
Minimum wage applicable to the worker assumed in the case study (US\$/month)	3400.2
Ratio of minimum wage to value added per worker	0.2
Maximum length of probationary period (months)	3.0
Working hours	
Standard workday	8.0
Maximum number of working days per week	5.5
Premium for night work (% of hourly pay)	25.0
Premium for work on weekly rest day (% of hourly pay)	50.0
Premium for overtime work (% of hourly pay)	25.0
Restrictions on night work?	No
Restrictions on weekly holiday?	No
Restrictions on overtime work?	No
Paid annual leave for a worker with 1 year of tenure (working days)	22.0
Paid annual leave for a worker with 5 years of tenure (working days)	22.0
Paid annual leave for a worker with 10 years of tenure (working days)	22.0
Paid annual leave (average for workers with 1, 5 and 10 years of tenure, in working days)	22.0
Redundancy rules	
Dismissal due to redundancy allowed by law?	Yes
Third-party notification if one worker is dismissed?	No
Third-party approval if one worker is dismissed?	No
Third-party notification if nine workers are dismissed?	No
Third-party approval if nine workers are dismissed?	No
Retraining or reassignment obligation before redundancy?	No
Priority rules for redundancies?	No
Priority rules for reemployment?	No
Redundancy cost	
Notice period for redundancy dismissal for a worker with 1 year of tenure (weeks of salary)	4.3
Notice period for redundancy dismissal for a worker with 5 years of tenure (weeks of salary)	8.7
Notice period for redundancy dismissal for a worker with 10 years of tenure (weeks of salary)	13.0
Notice period for redundancy dismissal (average for workers with 1, 5 and 10 years of tenure, in weeks of salary)	8.7
Severance pay for redundancy dismissal for a worker with 1 year of tenure (weeks of salary)	0.0
Severance pay for redundancy dismissal for a worker with 5 years of tenure (weeks of salary)	0.0

Severance pay for redundancy dismissal for a worker with 10 years of tenure (weeks of salary)	0.0
Severance pay for redundancy dismissal (average for workers with 1, 5 and 10 years of tenure, in weeks of salary)	0.0
Unemployment protection after one year of employment?	Yes

Business Reforms in Liechtenstein*

From May 2, 2018 to May 1, 2019, 115 economies implemented 294 business regulatory reforms across the 10 areas measured by Doing Business. Reforms inspired by *Doing Business* have been implemented by economies in all regions. The following are reforms implemented since *Doing Business* 2008.

✓ = *Doing Business* reform making it easier to do business. ✗ = Change making it more difficult to do business.

Doing Business 2020 is the 17th in a series of annual studies investigating the regulations that enhance business activity and those that constrain it. It provides quantitative indicators covering 12 areas of the business environment in 190 economies. The goal of the *Doing Business* series is to provide objective data for use by governments in designing sound business regulatory policies and to encourage research on the important dimensions of the regulatory environment for firms.

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