

LOGISTI**XX**

The Exit Game of Logistics

Theme World 2:

Global Transport

powered by **DB** SCHENKER



LOGISTIXX

The Exit Game of Logistics

This is how it works!

Here are five games or puzzles: some are more, some are less difficult; some are more logistics-specific and some challenge your creative intelligence!

The tasks are exclusively found in this game brochure. To play the game and enter the solution codes, you must at the same time start your game under www.logistixx.at.

If a puzzle does not appear to be solvable at first, you can request up to two hints per task directly in the online game world.

But be careful: you play for time. And for every hint that you claim, a time penalty will be added to the time you need to play!

This play set was printed on environmentally friendly paper.



Ready for your game?

Before you start the tricky tasks, you need to register – [click here to register for your game:](#)



Global Transport

The baseline situation

Trade is the backbone the world economy. The exchange of goods and commodities across countries and continents helps to generate investment, create jobs and thereby also boost living standards and economic growth.

Deliveries for companies or consumers over long distances is a business for professionals – because, naturally, everything has to arrive on time and it is increasingly important to execute this task in the most resource-friendly way possible, i.e. as emission-free and CO²-neutral as possible.

This is also a major concern for DB Schenker and therefore green logistics is a priority in the company's strategy. Therefore, it is important to execute the many tasks – land transport, air freight or sea freight – in the most efficient way possible; the manifold tasks involved can best be solved as a team. Help the DB Schenker team complete the various tasks so that the goods for DB Schenker's customers arrive at the desired destination in the best possible way.

For this game you need:



a pencil



a coloured pencil
or a highlighter

You have not registered for the game yet?
Register now: www.logistixx.at/en/start or scan the QR-Code.



Task 1

By what means are the goods transported? The appropriate mode of transport

Isabel has had a lot on her plate since she started working at DB Schenker's. Finally, she has landed a challenging and exciting job!

On top of her to-do list today is the search for the ideal connection in rail freight transport.

She prepares the freight documents for the next four transports and makes sure they are in the right order: CMR, CIM, B/L, AWB and then the number.

Then she has another special order. 300 original Sacher cakes have to be in New York tomorrow for a ball. There is only one means of transport, which is particularly good here - as is often the case.

In addition to deciding on the right mode of transport, the appropriate freight documents must be provided. For international road freight transport, one uses the CMR consignment note* and for rail freight transport the CIM consignment note**.

The Bill of Lading (B/L) is of particular importance because it has the character of a security paper. The air waybill is also known as the AWB.

For the selection of the appropriate means of transport for a specific consignment, the characteristics of the different modes of transport provide a good orientation.

**CMR: Convention relative au contrat de transport international de marchandises par route*

***CIM: Convention Internationale Concernant le Transport des Marchandises par Chemins de Fer*

To complete this task, you need:  a pencil

1. **Mass efficiency:** the capability of a means of transport to move large quantities at low cost



2. **Speed:** the ability of a means of transport to move goods quickly



3. **Network formation capability:** ability of a means of transport to carry out nationwide transports



4. **Predictability:** a measure of the temporal reliability (punctuality) of transport operations



5. **Flexibility:** ability to react to time changes or requirements



6. **Safety:** measure of the frequency of transport accidents and the amount of damage caused



7. **Environmental impact:** in particular energy use, pollutant and noise emissions (in relation to the quantity transported)



? Are you stuck?

You can claim up to two tips. But beware -you will be charged a penalty time for each tip! You can get information about penalty time and tips for this exercise online!



Have you found the correct solution code?

Enter your solution code online and see if it is correct so you can continue with the next task.

GREEN Logistics Factbox

How green can logistics be? DB Schenker has set itself ambitious targets to contribute to the United Nations Sustainable Development Goals. For example, transport emissions - measured in grams of CO₂e per tonne-kilometre - of all transport modes by 2030 will be reduced by 40%. There are specific reduction targets for each of the different transport modes.

Contents of the factbox are not relevant for the solution.

* CO₂e stands for CO₂ equivalents and is a unit of measurement that makes greenhouse gases comparable by converting them into the equivalent amount of CO₂. CO₂e is therefore a gauge that aims to make the effect of all greenhouse gases on the climate comparable.

Task 2

Contract logistics – solutions for the entire supply chain logistics of a customer

With contract logistics, a logistics service provider like DB Schenker takes over entire areas in the overall supply chain of a production or trading company, far beyond transport. DB Schenker even takes over tasks from the customer such as storage including warehouse handling, order picking and shipping, finishing of goods or even repair services for customers' products.

For a large sports goods retailer, DB Schenker has taken over the bundling of incoming goods from abroad, their storage in a central warehouse and distribution to the sales outlets according to the customer's wishes.

Regular deliveries have to be made to the numerous stores, in accordance with the customer's schedule. Verena, as a customer support representative, is responsible for the correct delivery.

Today, the right goods have to be fetched from different storage areas and storage zones for three tours. Depending on their size and condition, the goods are stored in different zones in the huge warehouse and now have to be transported to the ramps or the docked trucks by the respective team responsible for this task.

The respective teams have chosen colours instead of names and are assigned to the zones as follows:

- Blue operates the area directly to the left of Team Yellow
- Team Black works directly to the right of Purple
- Team Red and Team Blue do not work next to each other
- Two other teams work between Team Purple and Team Red

Verena has once more checked the plan submitted by the client and based on it created the distribution plans for the teams, which are now displayed on their tablets.

For this task you need:  pencils, preferably in three different colours

Container staging area

For order picking for the individual tours, the instructions to the teams are as follows:

TOUR 1:

Red (2)
 Blue (2)
 Yellow (25)
 Green (2)
 Purple (27)
 Black (2)

TOUR 2:

Red (8)
 Blue (379)
 Yellow (4)
 Green (7)
 Purple (5)
 Black (468)

TOUR 3:

Red (469)
 Blue (468)
 Yellow (1)
 Green (1)
 Purple (46)
 Black (1)

It all seems a bit cryptic at first - but I'm sure you'll come up with the three-digit solution code in no time at all!

		ZONES					
SECTORS	1						
	2						
	3						
	4						
	5						
	6						
	7						
	8						
	9						
	0						
		A	B	C	D	E	F

Don't forget to make use of the grid in the middle of the booklet to find the solution.

? Are you stuck?

You can claim up to two tips. But beware -you will be charged a penalty time for each tip! You can get information about penalty time and tips for this exercise online!



Have you found the correct solution code?

Enter your solution code online and see if it is correct so you can continue with the next task.

GREEN Logistics Factbox

Land transport - own fleet

At DB Schenker land transport accounts for around 32% of its global emissions and DB Schenker aims to reduce these drastically through various measures.

By 2030, DB Schenker will convert 50% of all owned vehicles between 3.5t and 7.5t and 100% of all owned vehicles up to 3.5t to electric drivetrains. By expanding the capacity of swap bodies from 7.45 to 7.82 metres, 2.100 truck kilometres per day have already been saved.

Contents of the factbox are not relevant for the solution.

Task 3

Customs clearance for the international customer network

In European trade, trade barriers in the form of tariffs for EU member states have been largely dismantled. In trade with non-EU countries, for example with Great Britain after the BREXIT and of course also with China and the Americas, customs duties are an important instrument to protect domestic economy, but, to a degree, also citizens and the environment.

Due to the increasing establishment of global value creation chains in recent decades, the speedy and correct customs clearance of goods has remained an important part of the handling of international trade transactions. Therefore, DB Schenker takes care of all customs clearance tasks for its customers when importing and exporting goods.

Leon works as a customs declarant in the customs department at DB Schenker's. The work is multifaceted, as there is a lot to be done for customers when importing and exporting goods. Fortunately, much of it is already handled digitally – especially the transmission of extensive data from customers and the customs office is almost automatic.

What Leon particularly likes is the varied daily routine. He is in contact with various people from different companies as well as with officials from the customs office. Manuel, an employee of a major customer, is a really funny guy. He is always up for a joke.

To complete this task, you need:  a pencil

In response to a question in an e-mail about when a consignment would be ready for export processing today, he sent the following e-mail - but what's that about?

 i=h
  -at+  c=o+s
  p=w
  -er

r+  r=d+y
  -ra
  i=h

 n=f+  -rul+  -se+  x=n

 -ll+  v=w+  y=e
 t+  -lf
 t=d

 -ba+  -sto+e
 x='  +.
 -wea+e

 -c+e
 f+  -x+  p=r
 y=x+  -fri+.

? Are you stuck?

You can claim up to two tips. But beware -you will be charged a penalty time for each tip! You can get information about penalty time and tips for this exercise online!



Have you found the correct solution code?

Enter your solution code online and see if it is correct so you can continue with the next task.

GREEN Logistics Factbox

Terminals

In Austria, 12 locations form the DB Schenker network, which is used to serve customers. Logistics services and transports are handled for customers on an area of around 200.000m². The terminals, on the one hand, are used for the transshipment of goods and for warehousing, on the other.

For new buildings, the focus is on sustainable construction and modern and efficient technologies. Older terminals are gradually adapted to modern standards. DB Schenker is aware of its corporate responsibility and takes targeted measures in the areas of energy, water and waste.

Contents of the factbox are not relevant for the solution.

Task 4

By rail to sea port

Preparation: Remove the area for task 3 from the middle of the booklet!

For Ilkay, the product manager for rail transport at DB Schenker it is a matter of the heart to develop the ideal solution for the customer for transport by rail. Especially for transport to European ports, this makes a lot of sense in terms of the environment.

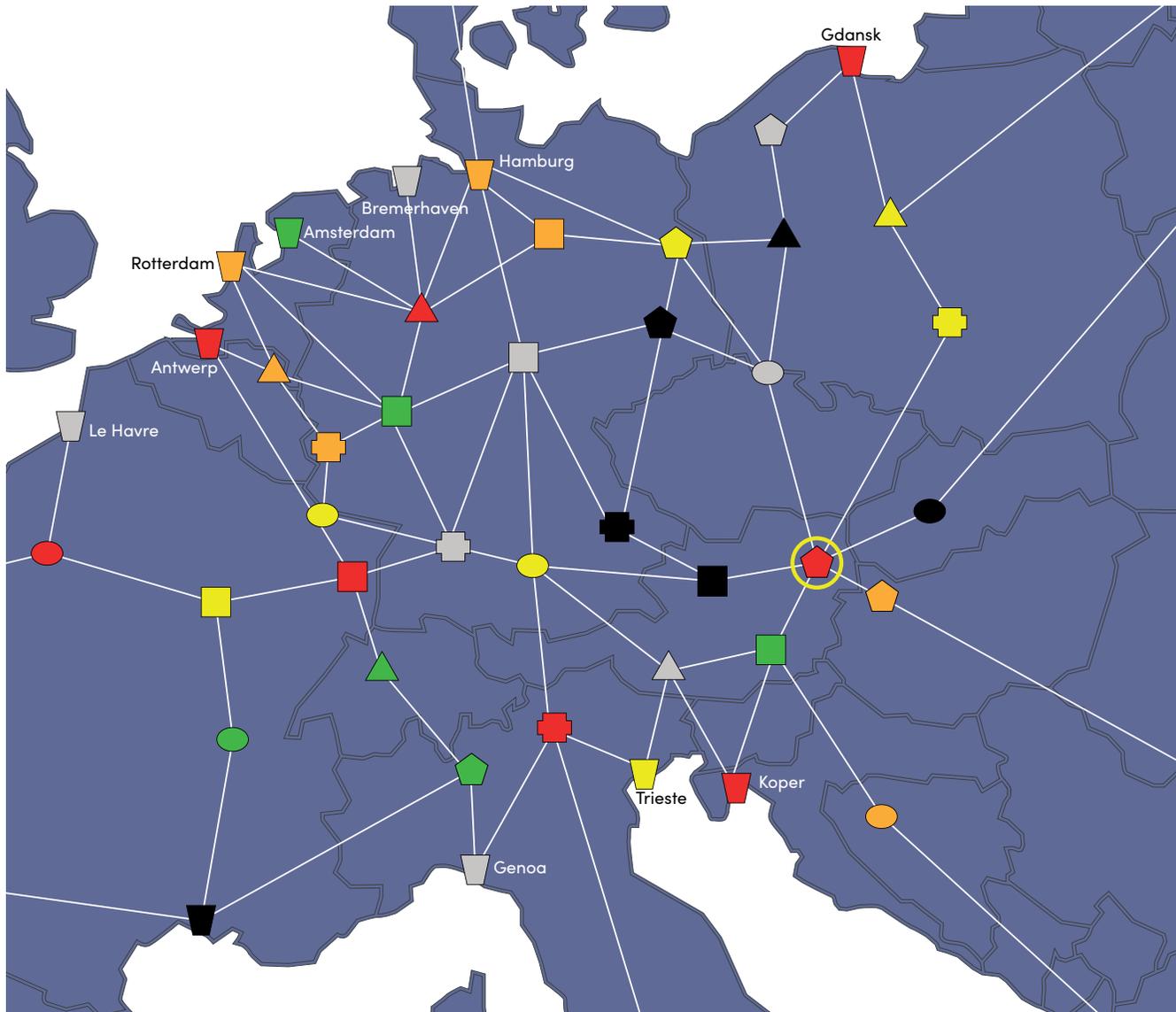
For the global or transcontinental transport of heavy or high-volume goods, transport by ocean-going vessel is the most economical means of transport. However, Austria is a landlocked country and the large sea ports are located farther away. To transport goods there in large quantities, the railway is the best solution, ecologically as well as economically.

The best way to do this is to use the railway lines of the **TEN** network (Trans-European Networks) - see map opposite. Find out which port the next block train for the starting point Vienna South **CCT** is destined for!

Use all three distance discs for this. According to a certain distance or the diameter of such a disc, the locomotive driver must be supplanted after a certain period of time.

	Hubs	Sea ports
1		Amsterdam
2		Antwerp
3		Bremerhaven
4		Gdansk
5		Koper
6		Genoa
7		Hamburg
8		Le Havre
9		Rotterdam
0		Trieste

Required tools: none



? Are you stuck?

You can claim up to two tips. But beware -you will be charged a penalty time for each tip! You can get information about penalty time and tips for this exercise online!



Have you found the correct solution code?

Enter your solution code online and see if it is correct so you can continue with the next task.

GREEN Logistics Factbox

Land transport - rail

Freight transport by rail is THE environmentally friendly and low-emission solution at DB Schenker. Rail is used as a multimodal means of transport at DB Schenker and is part of land transport.

In Austria alone, 134.346 tonnes were transported to South-Eastern Europe last year. Compared to transport by truck, this avoided 8.937 tons of CO2 emissions.

Contents of the factbox are not relevant for the solution.

Task 5

Express transport for urgently needed goods

Sometimes things have to proceed particularly quickly. Over longer distances, especially across continents, air transport is the only viable option. In a global transport network with the most modern logistics solutions, the right portfolio for air freight must not be absent, and DB Schenker is also a leading air freight service provider with a comprehensive transport network spanning the entire globe.

With state-of-the-art, integrated shipping solutions, DB Schenker ensures that every shipment always arrives at its destination safely - anywhere in the world. DB Schenker's air freight network comprises 700 locations in 130 countries.

Whether it's urgent shipments with an exact arrival time, chartering from a smaller Cessna 162 to a huge Antonov AN-225, or even combining different modes of transport such as fast air freight with cost-efficient sea freight. This multi-modal

approach provides the best of both worlds, bearing in mind the same goal: to ensure that the cargo always reaches its destination safely - anywhere in the world.

There are, of course, many exciting things to do. Joana is the woman for the tricky tasks in the team. No matter if it is very heavy, very big, very fragile, very remote or very urgent - she always finds a solution.

Today, a fast transport of semiconductor components has to be organised. It's about 160 boxes with 400 pieces each. Each box with a content of 400 pieces and a volume weight of 66.7 kg/carton, which is used to calculate the freight rate. As a colleague informs us first thing in the morning, the flight will take us via Rome to Seattle.

Benötigte Hilfsmittel: keine

He is standing in your office under the door smiling at you mysteriously. „The document with the order is password-protected, with three digits,“ he informs you and then seems to start his early morning gymnastics with the announcement: „Upper torso training!

First, he stretches his arms and hands straight up, pauses, then opens them slightly to the sides.

Then he just straightens up again, smiles, and begins to do finger exercises. ... But if you look more closely, you realise that he is signing „i“ and „x“. ... Very ominous.

He smiles again and takes his leave with an encouraging thumbs-up.

Enter the 3 digit-solution code here:

Are you stuck?

You can claim up to two tips. But beware -you will be charged a penalty time for each tip! You can get information about penalty time and tips for this exercise online!



Have you found the correct solution code?

Enter your solution code online and see if it is correct so you can continue with the next task.

GREEN Logistics Factbox

Air freight

Using a gateway system, air freight shipments are brought to the respective airport in advance to the terminals and by road. This avoids feeder flights and reduces emissions on these routes by up to 90%. Optimised flight schedules and direct flights also ensure that around 20% of emissions can be avoided. The use of environmentally friendly paraffin, so-called Sustainable Aviation Fuel (SAF, a biofuel), reduces CO₂ emissions in the air.

Contents of the factbox are not relevant for the solution.

Job & career opportunities for you at DB Schenker

We have established the young.stars academy so that you can feel comfortable with us and perform well. There you learn everything about your special subject, but also other things such as service-oriented telephone calls or how to conduct difficult customer meetings.

- ✓ You get to know yourself better and learn what others need for a good co-operation. A toolbox is ready for you, so that you are optimally equipped for everyday work.
- ✓ You learn how to communicate clearly and about the important behavioural patterns in a team. You will also learn how conflicts arise and how to best deal with them.

And of course, you'll get to know what makes our company tick. Because commitment and dedication are key at our company. You can find more open entry-level positions under www.dbschenker.com/at-de/karriere/jobs



You already have your university entrance qualification? If so, your apprenticeship period will be shortened by 1 year! For more information about apprenticeship training at DB Schenker, see www.dbschenker.com/at-de/karriere/lehrlinge



At DB Schenker there are the following opportunities to enter the world of logistics:

- Forwarding merchant
- Logistics clerk
- Forwarding logistics clerk

Your advantages as an apprentice at DB Schenker:

Certificate and LAP bonuses

Support for apprenticeship with university entrance qualification

Participation in competitions

Shortened apprenticeship period

Change of department every 6 months

Exciting excursions

DB Schenker young.stars

Logistics Day – Experience companies and logistics up close and at first hand

Experience leading companies first-hand with your class in the form of a field trip to the respective company or through location-independent online insights.

The Logistics Day is not an open house day. Rather, companies offer students a targeted guided tour and visit tailored to the interests of the participants offering the opportunity to discuss and ask questions.

The events, which are free of charge and subject to registration; they are intended to provide students in particular with a look behind the scenes of companies and logistics practice. The focus is on successfully implemented solutions in the field of logistics and supply chain management. This action day takes place annually on every third Thursday in April. The programme is determined in January and is then available at www.vnl.at/de/veranstaltungen/tag-der-logistik.

We will also try to coordinate a visit to the company of your choice for an excursion into the world of logistics – even on another day if the third Thursday in April is not convenient for you. Overview and registration for the Logistics Day at:

www.vnl.at/de/veranstaltungen/tag-der-logistik
or by scanning this QR-Code:



Logistics knowledge

Information on logistics topics and teaching content can be found at www.logistixx.at/logistik-wissen

Logistics dictionary

Logistics terms explained quickly & easily under www.vnl.at/de/services/logistik-woerterbuch

Logistics training

You can find out more about training paths and opportunities for your career in logistics under www.vnl.at/de/services/logistik-bildungskatalog/

Imprint

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SCHENKER & Co AG

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**You are ready for a world full of
logistics opportunities**

#Apply now!

On-line for an apprenticeship at: www.dbschenker.at/karriere
If you have any questions, contact: Julia Simonfi, +43 5 7686 210320
For further information: dbschenker.com/at-de/karriere

Game elements for Theme World 2



Es steht auch ein auf FSC-Papier gedruckter Spielbogen mit ausbrechbaren Spielelementen zur Verfügung.
Fordern Sie den gedruckten Spielbogen hier an:

<https://www.logistixx.at/en/request-game>



Game elements for task 2

		ZONES					
SECTORS	1						
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		ZONES					
SECTORS	1						
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		ZONES					
SECTORS	1						
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Game elements for task 4

Please cut out the spacers.

