

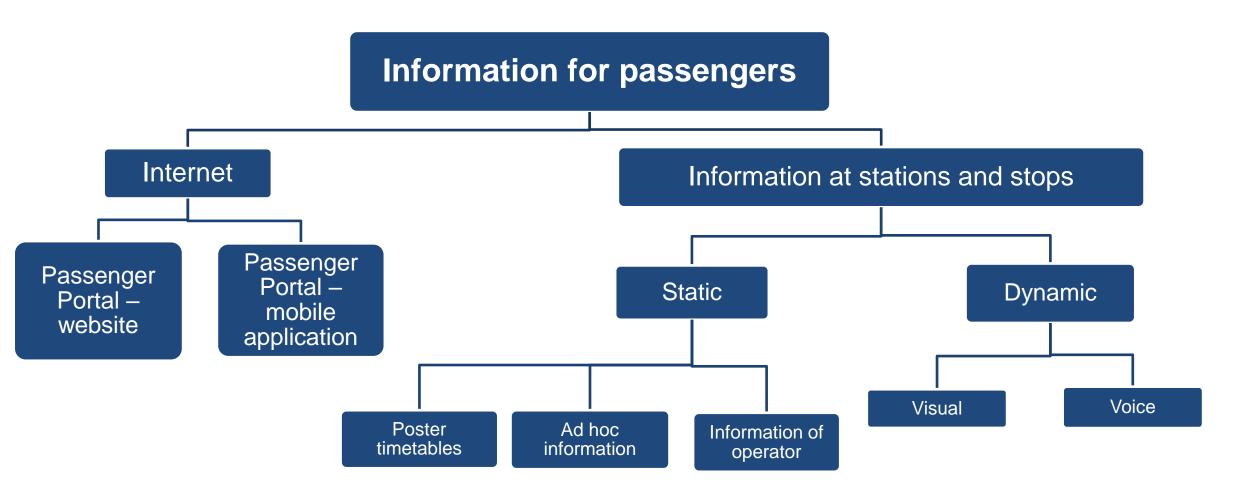


# **Information for passengers**

Geneva 8–10 July, 2024



### Information for passengers





# **Travel planning: Passenger Portal**

# **Passenger Portal**

PKP Polskie Linie Kolejowe S.A.'s own solution meets the requirements of the Act on digital accessibility of websites and mobile applications of public entities of 4th April, 2021.

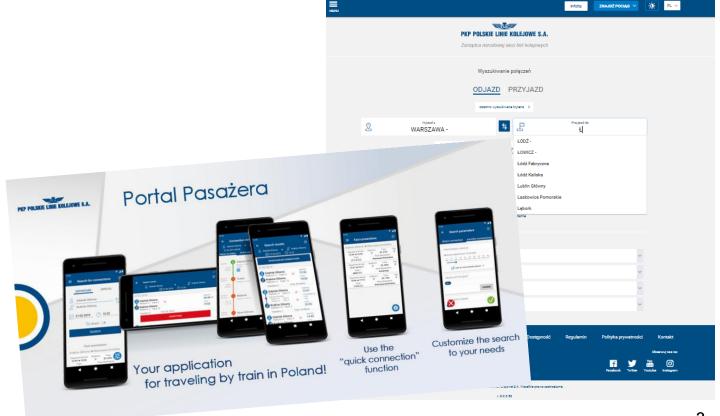
#### https://portalpasazera.pl

free mobile application (Android, iOS)

#### Passenger Portal

Available in PL, EN, and UA and with TalkBack and VoiceOver







# **Travel planning: Passenger Portal**

#### **Passenger Portal**

Planned and actual train timetables, primary and original data source: PKP Polskie Linie Kolejowe S.A.

- route planner
- searching for connections by agglomeration grouping passenger stops
- poster timetable
- network timetable
- passenger information
- announcements of the infrastructure manager and passenger operators
- March 2018: WCAG certificate of availability
- compliance with the Act on digital accessibility of websites and mobile applications of public entities of 4th April, 2021



TRAKO 2015 – Passenger Portal



CER Digital Fair - Brussels 2018 - Passenger Portal

2<sup>nd</sup> CER DIGITAL FAIR

Digital railways: present technologies, future trends

Tuesday, 20 March 2018



#### Boards with permanent signs, tactile and visual warning signs

Rules for the design and placement of permanent and tactile signs at railway stations and

stops managed by PKP Polskie Linie Kolejowe S.A. are regulated by:

- Architectural guidelines for passenger infrastructure; lpi-1
- Guidelines for the permanent marking of passenger infrastructure; Ipi-2





#### Boards with permanent signs, tactile and visual warning signs

The internal documents consider the requirements of the following acts and reports:

- Commission Regulation (EU) No 1300/2014 of 18th November, 2014
   on the technical specifications for interoperability relating to accessibility of the Union's rail
   system for persons with disabilities and persons with reduced mobility,
- UIC CODE 413: Measures to facilitate travel by rail



#### **Boards with permanent signs**

The basic colours used in the visual information system for travellers are navy blue and white.







#### **Boards with permanent signs**







#### **Boards with permanent signs**







Warszawa Gdańska / plan stacij

#### **Station plan**

Station plans are posted at larger stations.





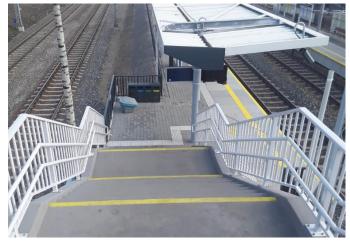
#### Tactile and visual warning signs

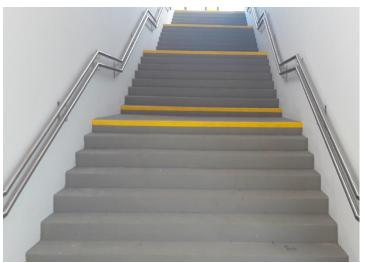
- leading paths
- attention fields
- tactile warning strips
- visual warning strips
- Braille overlays on stair handrails, elevators, and toilets
- typhlographic plans





#### Tactile and visual warning signs









#### **Tactile signs: Braille overlays**

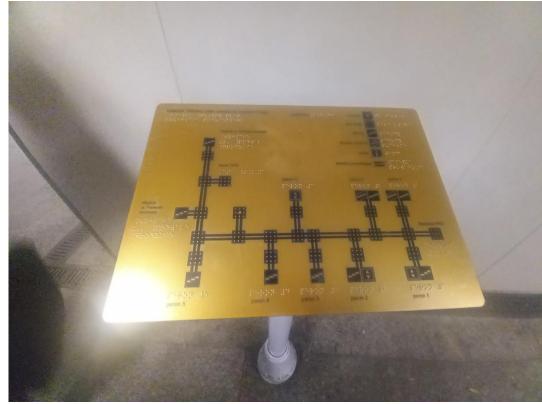






#### Tactile signs: typhlographic plans







#### Poster timetables

In accordance with the Act of 28th March, 2003 on railway transport, PKP Polskie Linie Kolejowe S.A. is obliged:

- as a manager of infrastructure, such as platforms and access routes, to publish the timetable of passenger trains in the form of an announcement on its website, and on the platform or on the access route to the platform (Article 30e, sections 1, 2, 3, points 2, 4, 5)
- as the operator of a passenger station, to publish, in the form of announcements, in a publicly
  accessible place in the railway station building or on roads that constitute infrastructure that
  enables passengers to reach the platforms, the timetable of passenger trains that stop at that
  station (Article 30e(3)(1))

At PKP Polskie Linie Kolejowe S.A., the above is regulated by the *Guidelines on static information* on the timetable of passenger trains at stations, stops, and passenger stations; Ipi-7.



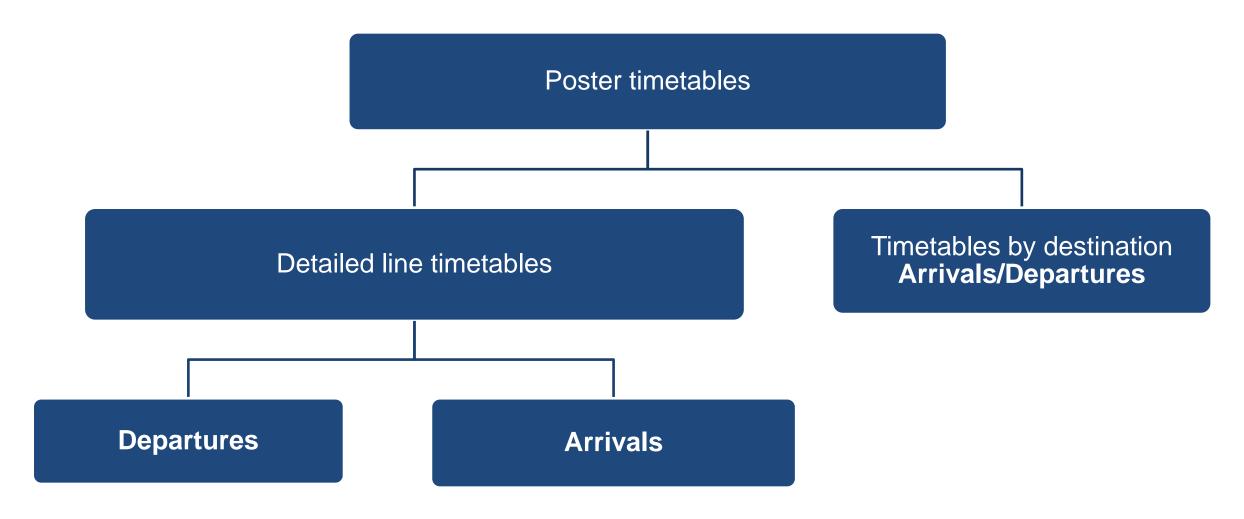
# Poster timetables: publication dates

#### The timetable is published in the form of an announcement:

- Future timetables\*:
  - 1. on the infrastructure manager's website, no later than **21 days before its entry into force**
  - in a generally accessible place in a railway station building or on roads that constitute infrastructure that enables passengers to reach platforms, and on platforms or on roads leading to platforms no later than 10 days before its entry into force
- Actual timetables: on the day the timetable enters into force.

\*Future train timetables include the watermark "PRZYSZŁY ROZKŁAD JAZDY / FUTURE RAILWAY TIMETABLE"



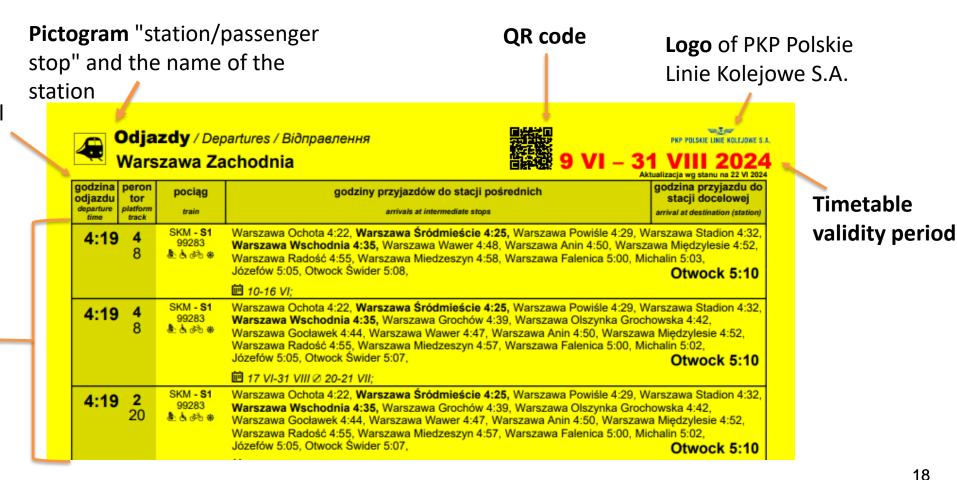




#### Composition of detailed line timetables (**Departures**) – upper part

**Heading** – contains departure/arrival time, platform/track, train, arrival times to intermediate stations, arrival time at the destination station

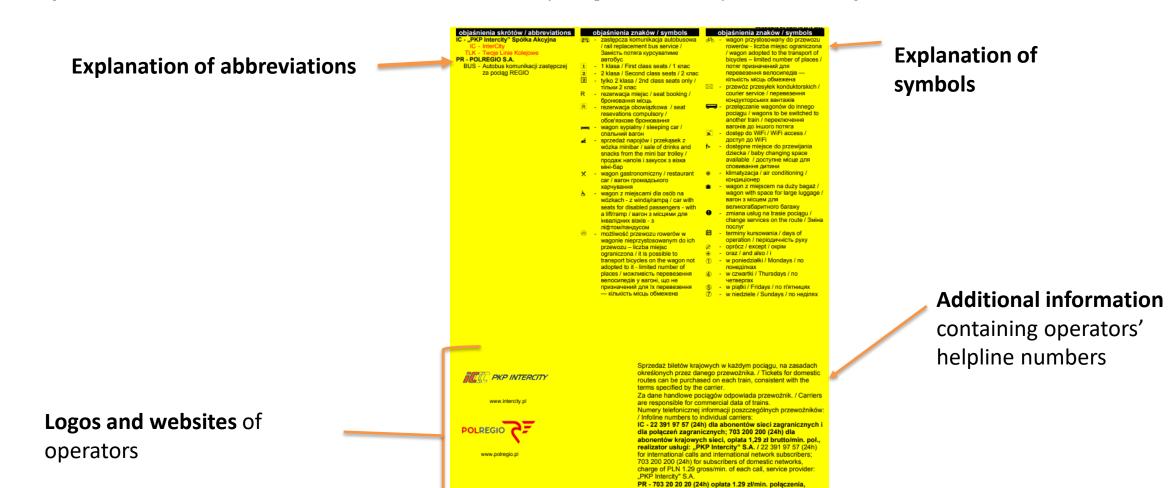
Information on trains



**Timetable** 



#### Composition of detailed line timetables (Departures) – lower part



realizator usługi: Progress Plus S.C. / 703 20 20 20 (24h)

charge of PLN 1.29 gross/min. of each call, service provider

Progress Plus S.C.



Detailed line timetables **Departures** (yellow background) and **Arrivals** (white background)





#### Composition of timetables by destination (Arrivals and Departures) – upper part

**Pictogram** "station/passenger stop" and the name of the station

**Heading** – contains Arrivals, Direction, Departures

Logo of PKP Polskich Linii Kolejowych S.A.

PKP POLSKIE LINIE KOLEJOWE S.A.

Timetable validity period

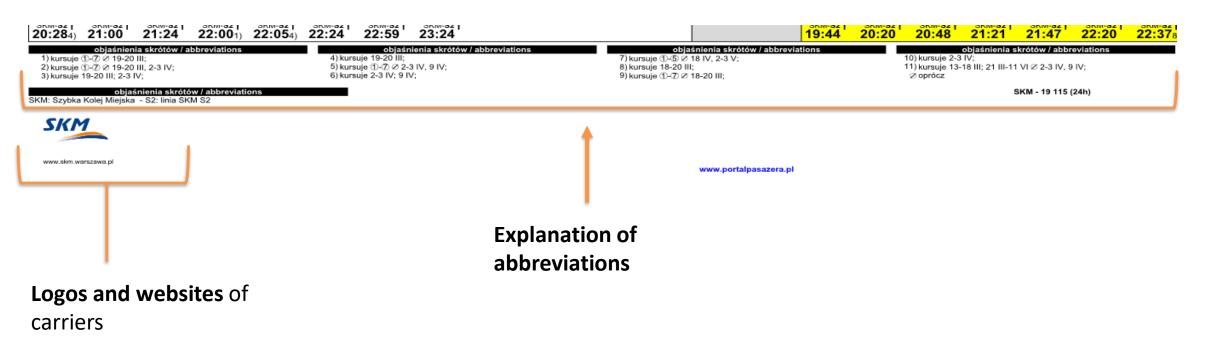


Warszawa Lotnisko Chopina

iformacje szczegółowe o pociągach znajdują się na rozkładzie jazdy z tablica "Odjazdy Przyjazdy Kierunek Odjazdy Direction 5:23 Sulejówek 6:01 6:231) 7:00 7:23 8:00 9:26 10:24 11:00 SKM-S2 | 12:16 SKM-S2 13:01 SKM-S2 15:23 SKM-S2 13:27 3KM-82 13:59 14:294) 14:53 14:25 16:00 18:00<sub>1</sub>) 22:001) 22:24 Warszawa Centralna 14:444 SKM-S2 6:01 SKM-S2 | 6:231) 7:00 8:00 SKM-\$2 | 8:231 7:23 9:26 3KM-\$2 | 10:24 Warszawa 8:59 10:00 11:00 Śródmieście SKM-S2 13:27 SKM-\$2 | 13:59 SKM-\$2 | 14:251) 11:24 12:00 12:16 13:01 15:23 16:00 14:294) 14:424) 14:531) 12:44 16:58 17:29 17:424) 18:00<sub>1</sub> 17:44



Composition of timetables by destinantion (Arrivals and Departures) – lower part





#### Timetable by destination **Arrivals/Departures**





# Future timetables - detailed line (Departures) and by destination (Arrivals/Departures)





# Regulations on the use of passenger stations and rules on the use of railway infrastructure

In accordance with the provisions of the Act of 28th March, 2003 on railway transport (Art. 36k.) PKP Polskie Linie Kolejowe S.A. develops and publishes, in the form of announcements on information boards, regulations for the use of passenger stations and rules for the use of railway infrastructure



### **Static information at stations and stops**

# Regulations on the use of passenger stations and rules on the use of railway infrastructure facilities







#### Ad hoc information

In accordance with the Guidelines on static information on the timetable of passenger trains at stations and stops, and passenger stations; Ipi-7, changes in train traffic, resulting in particular from:

- 1) temporary exclusion of one or more platforms from operation
- 2) temporary suspension of rail traffic at a given station/line without the launching of replacement bus services
- 3) the launching of additional public passenger trains
- 4) the suspension of the operation or the changing of the route of selected trains
- 5) the announcement of an emergency

should be publicised in the form of ad hoc announcements.



# Ad hoc information

Zarządca narodowej sieci linii kolejowych





#### Information published by operators

PKP Polskie Linie Kolejowe S.A. provides operators with space on information boards or on platforms to install boards.

Operators mostly announce commercial information and information on current changes in the operation of their trains.



# Information boards made available to operators

Zarządca narodowej sieci linii kolejowych







#### **Dynamic information**

The aim of the Central Dynamic Passenger Information System is to provide travellers with visual and voice information on the current implementation of the timetable, including the announcement of deviations from the timetable, and other information related to rail traffic and operators' services.

The Voice Information Guidelines; Ipi-9 provide templates for messages, and set out rules for the preparation and delivery of public address system messages at stations.



# Application of PRM provisions in dynamic passenger information facilities

The content of PKP Polskie Linie Kolejowe S.A.'s existing guidelines for dynamic passenger information is consistent with the provisions of the PRM TSI:

- For edge displays, the maximum distance between the observer and the display is 40 m, so the font height is approximately 16 cm
- The content layouts used on the displays provide appropriate parameters that relate to text speed and visibility
- Acoustic computer simulations are performed for public address systems to verify the degree of speech intelligibility measured in line with STIPA.





# **Dynamic passenger information facilities**



Edge displays



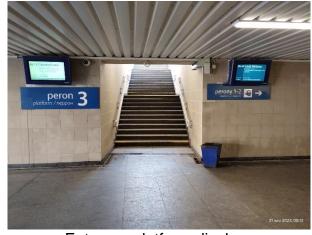
A multifunctional display



Cumulative platform displays



A station clock and announcement system



Entrance platform displays



A train movement sensor



# **Dynamic information**









Thank you for your attention