



Annex 5

Methodology of categorisation of stations and stops for passenger trains

Service places shall be categorised from the point of view of passenger transportation on the basis of service quality and costliness of facilities and equipment built up there. The following factors shall be considered when ranking the service place in category from the point of view of passenger transportation ($T_{sz,i}$):

- Height of the platform
- Length of the platform
- How to access the platform
- How to inform passengers on platforms and in passenger buildings
- Structures for protecting passengers against weather
- Characteristics of traffic links of passenger boarding places
- Number of main tracks
- Type of safety installation of station
- Electrification of tracks
- Point heating possibility
- Accessibility of train serving facilities

Weights of the factors taken into account and values related to the quality of the service ($Sz_{sz,j}$) are included in the following registers.

Index of passenger boarding places from the point of view of using facilities of stations:

$$\gamma_{sz} = \sum T_{sz,i} \times Sz_{sz,j}$$

- If $\gamma_{sz} \geq 0,65$, passenger boarding place comes to category I from the point of view of passenger transportation.
- If $0,65 > \gamma_{sz} \geq 0,35$, passenger boarding place comes to category II from the point of view of passenger transportation.
- If $0,35 > \gamma_{sz} \geq 0,22$ passenger boarding place comes to category III from the point of view of passenger transportation.
- If $\gamma_{sz} < 0,22$ passenger boarding place comes to category IV from the point of view of passenger transportation.



Parameters and their weights typical for passenger boarding places from the point of view of passenger transportation

Number	Factors which define the quality of services	Weight (%)
1.	Platform height	15
2.	Platform length	15
3.	Platform access	10
4.	Passenger information on platforms	5
5.	Passenger information in passenger buildings	5
6.	Protection against weather	10
7.	Traffic link	10
8.	Number of main tracks	10
9.	Type of safety installation of station	5
10.	Electrification of tracks	5
11.	Point heating possibility	5
12.	Accessibility of train serving facilities	5

Values of quality level multiplier of parameters typical for individual passenger boarding places from the point of view of passenger transportation

Category	Feature	Quality multiplier (%)
1. Platform height		
„1”	top of rail + 0	0
„2”	top of rail + 15	50
„3”	top of rail + 30	75
„4”	top of rail + (55-60)	100
2. Platform length		
„0”	less than 100 metres	0
„1”	101-199 meters	50
„2”	200-299 metres	90
„3”	300 metres or more	100
3. Platform access		
„1”	in the same level	0



„2”	overpass	80
„3”	underpass	100
4. Passenger information on platforms		
„0”	Printed (announcement about the departure and arrival of trains at the station)	0
„1”	audio	30
„2”	visual	80
„3”	complex (audio and visual)	100
5. Passenger information in passenger buildings		
„0”	No information	0
„1”	audio	30
„2”	Visual (electronic, manual, printed (picture, table of departure-arrival of trains at the station))	60
„3”	Complex (electronic and audio-visual)	100
6. Protection against weather		
„0”	No protection	0
„1”	Rain shelter	30
„2”	Platform roofing	50
„3”	Waiting room	70
„13”	Rain shelter and waiting room	90
„23”	Platform roofing and waiting room	100
7. Traffic link		
„0”	No traffic link	0
„1”	Bicycle store	30
„2”	P+R parking	40
„12”	bicycle store and P+R parking	60
„3”	Link to public transport	80
„13”	Bicycle store and link to public transport	90
„23”	P+R parking and link to public transport	90
„4”	complex (1+2+3)	100
8. Number of main tracks		
„1”	1-2	0
„2”	3-8	50
„3”	9-12	80
„4”	more than 12	100



9. Type of safety installation of station		
„0”	No station safety installation or EÁ	0
„1”	NBJF	15
„2”	KA, KAE	25
„3”	KR	35
„4”	ER, SH, FM, VES, INT-VES	80
„5”	FOND, INT, D55, KA69, SZKA, WSSB, D70V, ESTW-ELEKTRA-D55, KSW-90	90
„6”	D67, D70, SZT, ELEKTRA, SIMIS	100
10. Electrification of tracks		
„1”	not electrified	0
„2”	partly electrified	50
„3”	electrified	100
11. Point heating possibility		
„0”	no	0
„1”	yes	100
12. Accessibility of train serving facilities		
„0”	none	0
„1”	1-2	60
„2”	3 or more	100