2022/2023	Hungary		Austria		Croatia		Germany	
	Service name	Calculation method	Service name	Calculation method	Service name	Calculation method	Service name	Calculation method
Basic services	Ensuring of train path	(charge+mark-up)*train km	Minimum access package	train km and gross tonne km component: (charge+mark-up)*train km (charge+mark-up)*gross tonne km Track access charges = train km component per market segment + gross tonne km component per market segment +/- reductions/supplements Reductions/supplements : - Traction unit factor - Supplement for congested rail infrastructure - Performance Regime (punctuality)	Minimum access package	freight trains: $C = [\sum(TR_i*L_i*I*C_{vlkm}+(l_{el}*C_{el})]*S$ passenger and loco trains: $C = (T+d_n)*\sum L_i*I*C_{vlkm}+(l_{el}*C_{el})$ C = Minimum access package charge TR_i = weight category of train path in freight transport T = train path equivalent d_n = additional charge for the use of tilting technique L_i = line parameter I = train path length (km) C_{vlkm} = basic price (passenger trains,freight trains) I_{el} = length of train path with electric traction (km) C_{el} = additional charge on trainkm price for the train path with electric traction S = coefficient for the single wagon load train	Minimum access package	Train path charge = $\sum$charge for minimum access package (for segments) * train path kilometres Minimum access package = $uKZ_i+VKA_i+/-$ wE (fee for segments + mark-ups +/- other) uKZ_i = direct costs of train operation per market segment VKA_i = surcharge to cover the full costs wE = possible additional elements
	Running of train (train km)	(charge+mark-up)*train km						
	Running of train (gross tonne)	(charge+mark-up)*gross weight*km						
	Use of catenary system	(charge+mark-up)*km						

2022/2023	Italy		Romania		Slovakia		Slovenia	
	Service name	Calculation method	Service name	Calculation method	Service name	Calculation method	Service name	Calculation method
Basic services	Minimum access package	Access Charge = A (wear and tear component) + B (markets segments' ability to pay component) A = (unit fee of weight classes + operating speed classes + overhead contact line)*km B = unit fee per market segment*km	Minimum access package	IAC IAC = $\sum$ IAC section IAC section = IAC tannage + IAC circulation+ IAC electrification **Tonnage IAC = Km * Ttsn [1+ (Gross tonnage – Tmin) * Ft]** **Traffic IAC = Km * (Tc + Ttse)** **where**: Ttsn – charge depending on the tonnage for each category of non-electrified sections Tmin – gross tonnage starting from which the tonnage factor is applied Ft – tonnage factor (correction coefficient to be applied to the gross train tonnage) Tc – traffic charge depending on the distance for each section category Ttse – applied for the line sections equipped with electrification systems only for trains with electric traction	Minimum access package	Ump=U1+U2+U3+U4 (Maximum charges of minimum access package) in 5 line categories U1 = Maximum charge for ensuring of train path (€/vkm) U2 = Maximum charge for traffic control and management (€/vkm) U3 = Maximum charge for infrastructure capacity (€/1000 gtkm) U4 = Maximum charge for use of catenary system (€/1000 gtkm)	Minimum access package	**(5.2) Total access charge (U)** is determined by the following formula: **U= Up – Us + Um +Ud** where: U– Access charge total Up– Access charge calculated under service packages P1, P2, P3 and P4 Us – Incentives Um – Mark-ups Ud– Duties $$UP1 = CP1 * \sum(KMi * PPi * Pti * Pli)$$ UP1 – Access charge for carried out train path CP1 – Basic fixed access charge under Package 1 /CP21= EUR 2,01 KMi – Number of train km on a homogeneous line section (i) PPi – Route coefficient on a homogeneous line section (i) Pti – Train coefficient on a homogeneous line section (i) Pli – Tractive vehicle coefficient on a homogeneous line section (i)
	Border sections and connecting stations with Foreign Networks	access charge to network connecting stations (fix fee for trains) + usage charge* trainkm at border sections						
	Connecting Stations with the Regional Network	fix fee for usage of stations for trains, without purchasing a path						