

**List of project clusters and packages**



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MINISTRY  
OF REGIONAL  
DEVELOPMENT CZ

Multimodal cluster number	Cluster number	Project cluster	Infrastructure	Needs: Basic Target Auxiliary
1	1000	Multimodal cluster Prague node		
	101Z	Capacity increase and modernization of the Prague railway junction	Rail	Basic
	102Z	CR Prague Masarykovo nádraží - Václav Havel Airport	Rail	Basic
	103Z	CR New connection II	Rail	Target
	104S	Completion of motorway D0 (511, 518, 519, 520)	Road	Basic
2	2000	Multimodal cluster State border with Germany – Ústí nad Labem – Prague / Kolín		
	201Z	CR Prague - Děčín st. border	Rail	Basic
	202Z	CR Děčín Prostřední Žleb – Lysá n/L – Kolín	Rail	Basic
	203Z	HSL Prague - branch Nová Ves	Rail-HS	Basic
	204Z	HSL branch Nová Ves – Lovosice	Rail-HS	Basic
	205Z	HSL Ústí n/L – st. border	Rail-HS	Target
	206Z	HSL Lovosice – Ústí n/L st. border	Rail-HS	Target
	207S	D8 Motorway Prague – Petrovice st. border	Road	Basic
	208V	Elbe – Vltava waterway	Water	Basic
3	3000	Multimodal cluster Prague – Brno		
	301Z	CR Prague – Česká Třebová – Brno	Rail	Basic
	302Z	Conventional Railway (CR) Libice n/C / Velký Osek – Choceň – Ústí n/O	Rail	Basic
	303Z	Brno railway junction	Rail	Basic
	304Z	CR Kolín – Havlíčkův Brod – Brno	Rail	Auxiliary
	305Z	HSL Prague – Poříčany	Rail-HS	Basic
	306Z	HSL Poříčany – Brno	Rail-HS	Target
	307S	motorway D1 Prague – Brno	Road	Basic
	308S	Class I roads I/43 / I/73 Brno – Moravská Třebová; Skalice n/S – Lačnov	Road	Basic
4	4000	Multimodal cluster Brno – Břeclav st. border Slovakia / Austria		
	401Z	CR Brno – Břeclav – Lanžhot st. border	Rail	Basic
	402Z	HSL Brno – Rakvice	Rail-HS	Target
	403S	D2 Motorway Brno – Břeclav st. border	Road	Basic
5	5000	Multimodal cluster Bavaria st. border - Plzeň - Prague		
	501Z	CR Česká Kubice st.border – Plzeň – Prague	Rail	Basic
	502Z	Beroun (Tachlovice) tunnel	Rail-HS	Target
	503S	D5 Motorway Rozvadov st. border – Prague	Road	Basic
	504S	Class I roads I/20, I/29, I/19, I/34 Plzeň – Písek – Tábor – Pelhřimov – Humpolec – Havlíčkův Brod	Road	Basic
6	6000	Multimodal cluster Prague – Ostrava (in addition to Prague – Brno and Brno – Ostrava)		
	601Z	CR Česká Třebová – Přerov / Prosenice	Rail	Basic
	602S	D11 motorway Prague – Hradec Králové - Sedlec	Road	Basic
	603S	D35 Motorway Opatovice n/L – Olomouc – Lipník n/B	Road	Basic
7	7000	Multimodal cluster Ostrava – Slovakia st. border		
	701Z	CR Ostrava main station – Ostrava Kunčice – Havířov – Český Těšín – Mosty u J. st. border	Rail	Basic
	702Z	CR Dětmarovice – Český Těšín	Rail	Basic
	703S	Road I/68, I/11 Třanovice – Mosty u J. st. border	Road	Basic
	704S	Motorway D56, I/56 Ostrava – Frýdek-Místek	Road	Basic

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	705S	Class I road I/58 Příbor – Ostrava	Road	Basic
	706Z	CR Paskov - Ostrava Kunčice - Ostrava Svinov / Polanka n/O	Rail	Basic
8	8000	Multimodal cluster Vienna – Přerov – Ostrava – Poland st. border (in addition to Brno – Břeclav st. border)		
	801Z	CR Břeclav st. border – Otrokovice – Přerov – Ostrava – Bohumín – Petrovice u K. st. border	Rail	Basic
	802Z	CR Brno – Přerov	Rail	Basic
	803Z	HSL Brno – Přerov – Ostrava	Rail-HS	Target
	804Z	CR (HSL) Ostrava – Katowice	Rail-HS	Target
	805S	D52 Motorway Mikulov st. border – Brno	Road	Basic
	806S	D1 Motorway Brno – Přerov – Ostrava – Bohumín - st. border	Road	Basic
	807S	D48 Motorway Běloutín – Chotěbuz st. border	Road	Auxiliary
	808S	Motorway D55 Břeclav (D2) – Hulín	Road	Auxiliary
	809S	Class I road I/55 Břeclav (D2) – Břeclav st. border	Road	Auxiliary
9	9000	Multimodal cluster (Prague) – Hradec Králové – Trutnovsko st. border		
	901Z	CR Poříčany (HSL) – Nymburk	Rail	Basic
	902Z	HSL Poříčany – Hradec Králové / (Pardubice) – st. border Poland	Rail	Target
	903S	D11 motorway Hradec Králové - Sedlec – Královec st. border	Road	Basic
10	10000	Multimodal cluster Central Moravia – Slovakia st. border		
	1001Z	CR Hranice na Moravě – Horní Lideč – st. border	Rail	Basic
	1002S	Motorway D49 / I/49 Hulín – Horní Lideč st. border	Road	Basic
11	11000	Multimodal cluster Brno – Olomouc		
	1101Z	CR Nezamyslice – Olomouc	Rail	Basic
	1102S	D46 Motorway Vyškov - Olomouc	Road	Basic
12	12000	Multimodal cluster Brno – Zlín		
	1201Z	CR Kojetín – Hulín	Rail	Basic
	1202Z	CR Otrokovice – Zlín	Rail	Basic
13	13000	Multimodal cluster Olomouc - Zlín		
	1301S	D55 motorway Olomouc – Přerov	Road	Basic
14	14000	Multimodal cluster Prague – České Budějovice		
	1401Z	CR Prague – Tábor – České Budějovice	Rail	Basic
	1402Z	CR Beroun – Zdice – Písek	Rail	Target
	1403Z	CR Increasing the capacity of the Prague Hostivař – Benešov section (t	Rail-HS	Target
	1404S	D4 Motorway Prague – Nová Hospoda	Road	Basic
	1405S	D3 Motorway Prague – Tábor – České Budějovice	Road	Target
15	15000	Multimodal cluster České Budějovice - Dvořiště st. border		
	1501Z	CR České Budějovice – Horní Dvořiště – st. border	Rail	Basic
	1502S	D3 Motorway České Budějovice – Dolní Dvořiště st.border	Road	Basic
16	16000	Multimodal cluster Prague – Most – Karlovy Vary		
	1601Z	CR Most – Karlovy Vary – Cheb – Cheb st.border	Rail	Basic
	1602Z	HSL (Prague) – Nová Ves - Most	Rail-HS	Basic
	1603S	D7 Motorway Prague – Chomutov	Road	Basic
	1604S	Class I road I/28 Louny – Most	Road	Basic
	1605S	D6 Motorway Prague – Karlovy Vary – Pomezí st. border	Road	Basic

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17	17000	Multimodal cluster Prague – Liberec – PL/DE st. border		
	1701Z	CR Prague – Lysá n/L – Čachovice – Mladá Boleslav – Liberec	Rail	Basic
	1702Z	CR Liberec – Hrádek n/N st. border	Rail	Basic
	1703Z	CR Liberec – Frýdlant – Zawidów st. border	Rail	Basic
	1704S	D10 Motorway Prague – Ohrazenice	Road	Basic
	1705S	Class I road I/35 Ohrazenice – Liberec – Bílý Kostel n/N	Road	Basic
	1706S	Class I road I/35 Bílý Kostel n/N – Hrádek n/N st. border	Road	Basic
21	21000	Multimodal cluster Plzeň – Karlovy Vary		
	2101Z	CR Plzeň – Cheb	Rail	Basic
	2102S	Class I road I/20 Plzeň – Karlovy Vary	Road	Basic
22	22000	Multimodal cluster Plzeň – České Budějovice		
	2201Z	CR Plzeň - České Budějovice	Rail	Basic
	2202Z	CR Písek - Protivín	Rail	Basic
	2203Z	CR Ražice – Putim	Rail	Basic
	2204S	Class I road I/20 Písek – České Budějovice	Road	Basic
23	23000	Multimodal cluster České Budějovice - Vitorazsko st. border		
	2301Z	CR České Budějovice – České Velenice st. border	Rail	Basic
	2302S	Class I road I/34, I/24 České Budějovice – Třeboň – Halámky st. border	Road	Basic
24	24000	Multimodal cluster Plzeň – Most		
	2401Z	CR Plzeň – Žatec – Chomutov	Rail	Basic
	2402S	Class I road I/27 Plzeň – Most	Road	Basic
25	25000	Multimodal cluster Karlovy Vary – Ústí nad Labem		
	2501Z	CR Most – Ústí n/L	Rail	Basic
	2502S	Class I road I/13 Karlovy Vary – Teplice; I/63 Teplice - Řehlovice	Road	Basic
26	26000	Multimodal cluster Ústí nad Labem - Liberec		
	2601Z	CR Děčín – Česká Lípa – Liberec	Rail	Basic
	2602S	Class I road I/13 motorway D8 – Děčín – Bílý Kostel n/N	Road	Basic
27	27000	Multimodal cluster Ústí nad Labem - Mladá Boleslav		
	2701Z	CR Česká Lípa – Bakov nad Jizerou	Rail	Basic
	2702S	Class I road I/16 Nová Ves – Bezděčín	Road	Basic
28	28000	Multimodal cluster Liberec – Mladá Boleslav – Hradec Králové		
	2801Z	CR Čachovice – Nymburk	Rail	Basic
	2802Z	CR Doubí u Turnova – Turnov – Jičín – Hradec Králové	Rail	Auxiliary
	2803Z	CR Loukov – Turnov – Stará Paka – Jaroměř – Hradec Králové	Rail	Auxiliary
	2804S	Class I road I/38 Bezděčín – Poděbrady (D11)	Road	Basic
	2805S	Road I/35, D35 Turnov – Jičín – Hradec Králové	Road	Basic
29	29000	Multimodal cluster České Budějovice - Jihlava		
	2901Z	CR Veselí nad Lužnicí – Jihlava	Rail	Basic
30	30000	Multimodal cluster Jihlava – Pardubice – Hradec Králové		
	3001Z	CR Jihlava – Havlíčkův Brod	Rail	Basic
	3002Z	CR Pardubice - Hradec Králové	Rail	Basic

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	3003S	Class I road I/38, I/34, I/37 Jihlava – Havlíčkův Brod – Ždírec nad Doubravou – Pardubice – Hradec Králové	Road	Basic
		<b>Other cross-border connections and remote regions</b>		
31	31000	Znojmo area		
	3101Z	CR Šatov st. border – Znojmo – Brno, new line	Rail	Basic
	3102S	Class I road I/38 Hatě st. border – Znojmo – Jihlava; Havlíčkův Brod – Poděbrady (D11)	Road	Basic
	3103S	Class I road I/53 Znojmo – Pohořelice	Road	Basic
32	32000	Šluknov Spur		
	3201Z	CR Česká Lípa – Rumburk	Rail	Basic
	3202S	Class I road I/38, I/9 Mladá Boleslav – Česká Lípa – Nový Bor – Rumburk	Road	Basic
33	33000	Krušné hory range		
	3301S	Class I road I/7 Chomutov – Hora sv. Šebestiána st. border	Road	Basic
34	34000	Jeseník area		
	3401Z	CR Zábřeh n.M. – Šumperk / Jeseník – Glucholazy st. border	Rail	Basic
	3402S	Class I road I/44 Mohelnice – Šumperk – Jeseník – Mikulovice st. border	Road	Basic
		<b>Multimodal clusters of suburban connections</b>		
41	41000	Prague		
	4101Z	CR northern bypass for freight transport Dřísy – Neratovice – Kralupy n/V – Kladno Ostrovec	Rail	Basic
	4102Z	CR Praha Ruzyně – Kladno Ostrovec	Rail	Basic
	4103Z	CR Praha Vysočany – Neratovice	Rail	Basic
	4104Z	CR Prague Smíchov – Rudná – Beroun	Rail	Basic
	4105Z	CR Prague – Vrané n.V. – Davle	Rail	Basic
	4106S	Class I road I/61 D7 – Kladno – D6	Road	Basic
	4107S	Class I road I/9 Zdiby – Mělník	Road	Basic
	4108S	Class I road I/12 Prague – Úvaly	Road	Basic
	4109S	Class I road I/2 Prague – Kostelec nad Černými lesy	Road	Basic
42	42000	Brno		
	4201Z	CR Brno – Třebíč / Ivančice	Rail	Basic
	4202Z	CR Brno – Kyjov – Moravský Písek	Rail	Basic
	4203Z	Boskovice interconnection	Rail	Basic
	4204Z	Brno diameter	Rail	Target
	4205S	Class I road I/23 Brno – Náměšť n/O	Road	Basic
	4206S	Class I road I/50 Holubice – Kožušice – Starý Hrozenkov st. border	Road	Basic
	4207S	Class I road I/42, I/41 Brno inner ring road and connecting sections	Road	Basic
43	43000	Ostrava		
	4301Z	CR Ostrava Kunčice – Frýdek-Místek – Valašské Meziříčí	Rail	Basic
	4302Z	CR Ostrava Svinov – Opava – Krnov	Rail	Basic
	4303Z	CR Studénka – L. Janáček Airport / Kopřivnice	Rail	Basic
	4304Z	CR Frýdlant n/O – Ostravice	Rail	Basic
	4305S	Class I road I/11, I/57 Ostrava – Opava – Krnov	Road	Basic
	4306S	Class I road I/11 Ostrava – Třanovice	Road	Basic
44	44000	Pilsen		
	4401Z	CR Plzeň – Klatovy	Rail	Basic

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	4402Z	CR Radnice – Ejpovice; Rokycany – Příkosice	Rail	Basic
	4403S	Class I road I/27 Plzeň – Klatovy	Road	Basic
	4404S	Class I road I/26 Plzeň – Staňkov	Road	Basic
45	45000	Liberec		
	4501Z	Class I road I/14 Liberec – Tanvald – Desná	Rail	Basic
	4502Z	CR Liberec – Hodkovice n/M, current line	Rail	Basic
	4503Z	CR Raspenava – Bílý Potok p.S.	Rail	Basic
	4504Z	CR Frýdlant – Nové Město p.S.	Rail	Basic
	4505S	Class I road I/14 Liberec – Tanvald – Desná	Road	Basic
	4506S	Class I road I/13 Stráž n/N – Frýdlant	Road	Basic
	4507S	Class I road I/65 Rádelský mlýn – Jablonec n/N	Road	Basic
46	46000	Olomouc		
	4601Z	CR Olomouc – Uničov	Rail	Basic
	4602Z	CR Olomouc – Hlubočky	Rail	Basic
	4603S	Class I road I/46 Olomouc – Šternberk	Road	Basic
47	47000	České Budějovice		
	4701Z	CR České Budějovice – Český Krumlov	Rail	Basic
	4702S	Class I road I/39 České Budějovice – Český Krumlov	Road	Basic
48	48000	Hradec Králové		
	4801Z	CR Jaroměř – Náchod / Trutnov	Rail	Basic
	4802S	Class I road I/33 Jaroměř – Náchod st. border	Road	Basic
	4803S	Class I road I/11 Hradec Králové - Vamberk; I/14 Vamberk – Solnice	Road	Basic
	4804Z	CR Týniště n.O. – Častolovice – Solnice	Rail	Basic
49	49000	Pardubice		
	4901Z	CR Pardubice – Skuteč	Rail	Basic
	4902S	Class I road I/2 Pardubice bypass, I/36 Pardubice - Časy D35	Road	Basic
50	50000	Zlín		
	5001Z	CR Zlín – Vizovice	Rail	Basic
	5002S	Class I road I/49 Otrokovice – Zlín – Vizovice	Road	Basic
51	51000	Jihlava		
	5101Z	CR Jihlava – Třebíč	Rail	Basic
	5102Z	CR Kostelec u J. – Slavonice	Rail	Basic
52	52000	Mladá Boleslav		
	5201Z	CR Mladá Boleslav – Sobotka – (Jičín)	Rail	Basic
	5202S	Class I road I/16 Kosmonosy – Sobotka – Jičín	Road	Basic
53	53000	Most		
	5301Z	CR Most – Postoloprty – Žatec / Louny	Rail	Basic
	5302Z	CR Most – Litvínov – Louka u L. – Hrob	Rail	Basic
	5303Z	CR Oldřichov u D. – Litvínov	Rail	Basic
	5304Z	CR Prunéřov – Kadaň	Rail	Basic
	5305S	Class I road I/27 Most – Dubí	Road	Basic
<b>Project packages</b>				
101	101000	Bypasses and upgrades on class I roads, classified as E, F, G		
102	102000	Contribution for the renewal of class II and III roads		

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103	103000	Contribution to the modernization and development of urban public transport in electric traction		
104	104000	Support of private freight transport terminals		
105	105000	Development of state-owned freight transport terminals and marshalling yards		
106	106000	Support for the development of private freight transport ports		
107	107000	Recreational boating - wharfs		
108	108000	Recreational boating - other projects		
109	109000	Support for the development of cycling infrastructure		
110	110000	Support for the development of barrier-free pedestrian routes		
111	111000	ITS and C-ITS implementation support		
112	112000	Support for the acquisition of airport security equipment for passenger check-in		
113	113000	Railway infrastructure reconstruction projects included in the project category		
114	114000	Grade-separated crossing with superior infrastructure		
115	115000	Equipping railway vehicles with ETCS units		
116	116000	Railway level crossings and their replacements		
117	117000	Station buildings and barrier-free access to railways, buildings of the Railway Administration		
118	118000	Waterways outside the TEN-T		
119	119000	Modernization or optimization of the other conventional lines		
120	120000	Deployment of ETCS and GMS-R on lines outside the defined clusters, TCC, CTC		
121	121000	Change of electric traction system, TPS performance		
122	122000	Electrification of lines outside the defined clusters		
123	123000	Public power supply and recharging stations for alternative drives		
124	124000	Point defects on the road network and noise barriers on the existing road network		
125	125000	Railway Administration - Modernization of the technical equipment		
126	126000	Railway Administration - Information technology		
127	127000	Ensuring the operation of trains 740 m long		
128	128000	Ensuring sufficient capacities of motorway rest areas		

Explanatory notes		
Commitment / Goal:		
Basic	Basic needs	The needs necessary to ensure the accessibility of regions and TEN-T obligations
Target	Target needs	Needs beyond the basic needs - further increase of transport connection parameters
Auxiliary	Auxiliary needs	Other auxiliary needs
Infrastructure:		
Rail	Conventional railways	
Rail-HS	High-speed lines	
Road	Roads	
Water	Waterways	

**Time-based accessibility in clusters**

Relation	Great circle distance	Railways		Roads		Coef. Rail	Coef. Road	Metropolis 1/ interregional 2	km/h	Metropolis	Interregional
		tr. time in min.	km/h	tr. time in min.	km/h						
Prague - Dresden	117	146	48	90	78	20	5	1	under 40	25	20
Prague - Munich	301	400	45	228	79	20	5	1	40-49	20	15
Prague - Nuremberg	251	276	55	173	87	15	0	1	50-59	15	10
Prague - Linz	200	242	50	180	67	15	10	1	60-69	10	5
Prague - Vienna	254	241	63	195	78	10	5	1	70-79	5	0
Prague - Katowice	327	301	65	254	77	10	5	1	80 and more	0	0
Prague - Wrocław	216	335	39	217	60	25	10	1			
Prague - Bratislava	290	243	72	189	92	5	0	1			
Brno - Bratislava	120	87	83	76	95	0	0	1			
Brno - Vienna	112	87	77	96	70	5	5	1			
Ostrava - Katowice	75	107	42	54	83	20	0	1			
Ostrava - Wrocław	164	244	40	133	74	20	5	1			
Prague - Brno	186	146	76	125	89	5	0	1			
Prague - Ostrava	272	178	92	199	82	0	0	1			
Brno - Ostrava	135	134	60	97	84	10	0	1			
Prague - České Budějovice	123	118	63	100	74	10	5	1			
Prague - Plzeň	84	80	63	73	69	10	10	1			
Prague - Karlovy Vary	113	199	34	101	67	25	10	1			
Prague - Most	73	125	35	75	58	25	15	1			
Prague - Ústí nad Labem	70	72	58	61	69	15	10	1			
Prague - Liberec	87	148	35	70	75	25	5	1			
Prague - Mladá Boleslav	51	78	39	47	65	25	10	1			
Prague - Hradec Králové	99	99	60	74	80	10	0	1			
Prague - Pardubice	94	53	106	76	74	0	5	1			
Prague - Jihlava	112	144	47	76	88	20	0	1			
Prague - Olomouc	211	125	101	164	77	0	5	1			
Praha - Zlín	251	215	70	171	88	5	0	1			
Brno - Jihlava	79	109	43	60	79	20	5	1			
Brno - Olomouc	66	133	30	50	79	25	5	1			
Brno - Zlín	76	119	38	66	69	25	10	1			
Brno - Pardubice	113	91	75	122	56	5	15	1			
Ostrava - Olomouc	72	50	86	48	90	0	0	1			
Ostrava - Zlín	77	93	50	80	58	15	15	1			
České Budějovice - Jihlava	93	136	41	96	58	15	10	2			
České Budějovice - Plzeň	117	113	62	119	59	5	10	2			
Plzeň - Karlovy Vary	66	120	33	70	57	20	10	2			
Plzeň - Most	87	164	32	106	49	20	15	2			
Karlovy Vary - Most	64	70	55	65	59	10	10	2			
Most - Ústí nad Labem	32	47	41	31	62	15	5	2			
Ústí nad Labem - Liberec	72	120	36	86	50	20	10	2			
Ústí nad Labem - Mladá Boleslav	67	122	33	68	59	20	10	2			
Liberec - Hradec Králové	81	148	33	84	58	20	10	2			
Liberec - Pardubice	95	147	39	96	59	20	10	2			
Liberec - Mladá Boleslav	39	81	29	28	84	20	0	2			
Mladá Boleslav - Hradec Králové	68	96	43	74	55	15	10	2			
Mladá Boleslav - Pardubice	74	78	57	76	58	10	10	2			
Pardubice - Olomouc	120	68	106	125	58	0	10	2			
Olomouc - Zlín	49	52	57	58	51	10	10	2			
Brno - Znojmo	55	126	26	48	69	20	5	2			
Prague - Znojmo	180	247	44	145	74	15	0	2			
Prague - Rumburk	97	196	30	113	52	20	10	2			
Prague - Česká Lípa	66	128	31	78	51	20	10	2			
Prague - Písek	90	154	35	83	65	20	5	2			
Olomouc - Jeseník	71	122	35	97	44	20	15	2			
Hradec Králové - Trutnov	40	74	32	50	48	20	15	2			