

LIST OF PRE-IDENTIFIED PROJECTS ON THE CORE NETWORK IN THE FIELD OF
TRANSPORT

a) Horizontal Priorities

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| Innovative Management & Services | <i>Single European Sky - SESAR</i> |
| Innovative Management & Services | <i>Traffic Management Systems for Road, Rail and Inland Waterways (ITS, ERTMS and RIS)</i> |
| Innovative Management & Services | <i>Core Network Ports and Airports</i> |

Core Network Corridors

1. Baltic – Adriatic Corridor

Helsinki – Tallinn – Riga – Kaunas – Warszawa – Katowice
Gdynia – Katowice
Katowice – Ostrava – Brno – Wien
Katowice – Žilina – Bratislava – Wien
Wien – Graz – Klagenfurt – Villach – Udine – Venezia – Bologna – Ravenna

| Pre-identified sections | Mode | Description/dates |
|--|-------------|--|
| Helsinki - Tallinn | Ports, MoS | port interconnections, (further) development of multimodal platforms and their interconnections, MoS (including icebreaking capacity) |
| Tallinn - Riga - Kaunas - Warszawa | Rail | (detailed) studies for new UIC gauge fully interoperable line; works for new line to start before 2020; rail – airports/ports interconnections |
| Gdynia - Katowice | Rail | upgrading |
| Gdynia, Gdansk | Ports | port interconnections, (further) development of multimodal platforms |
| Warszawa - Katowice | Rail | upgrading |
| Katowice - Ostrava - Brno - Wien & Katowice - Žilina - Bratislava - Wien | Rail | upgrading, in particular cross-border sections PL-CZ, PL-SK and SK-AT; (further) development of multimodal platforms |
| Wien - Graz - Klagenfurt - Udine - Venezia - Ravenna | Rail | upgrading and works ongoing; (further) development of multimodal platforms |
| Trieste, Venice, Ravenna | Ports | port interconnections, (further) development of multimodal platforms |

2. Warszawa – Berlin – Amsterdam/Rotterdam – Felixstowe – Midlands

BY border – Warszawa – Poznań – Frankfurt/Oder – Berlin – Hannover – Osnabrück – Enschede –
Utrecht – Amsterdam/Rotterdam – Felixstowe – Birmingham/Manchester – Liverpool

| Pre-identified sections | Mode | Description/dates |
|---|-------------|--|
| BY border - Warszawa - Poznań - DE border | Rail | upgrading existing line, studies for high speed rail |

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| PL Border - Berlin - Hannover - Amsterdam/Rotterdam | Rail | upgrading of several sections (Amsterdam – Utrecht – Arnhem; Hannover – Berlin) |
| West-German Canals, Mittellandkanal, Hannover – Magdeburg - Berlin | IWW | upgrading |
| Amsterdam locks | IWW | studies ongoing |
| Felixstowe – Midlands | Rail, port, multimodal platforms | interconnections port and multimodal platforms |

3. Mediterranean Corridor

Algeciras – Madrid – Tarragona

Sevilla – Valencia – Tarragona

Tarragona – Barcelona – Perpignan – Lyon – Torino – Milano – Venezia – Ljubljana – Budapest – UA border

| Pre-identified sections | Mode | Description/dates |
|--|------|---|
| Algeciras - Madrid | Rail | studies ongoing, works to be launched before 2015, to be completed 2020 |
| Sevilla - Antequera - Granada - Almería - Cartagena - Murcia - Alicante - Valencia | Rail | studies and works |
| Valencia - Tarragona - Barcelona | Rail | construction between 2014 - 2020 |
| Barcelona | Port | interconnections rail with port and airport |
| Barcelona - Perpignan | Rail | cross-border section, works ongoing, new line completed by 2015, upgrading existing line |
| Perpignan - Montpellier | Rail | bypass Nîmes - Montpellier to be operational in 2017, Montpellier - Perpignan for 2020 |
| Lyon - Torino | Rail | cross-border section, works base tunnel to be launched before 2020; studies access routes |
| Milano - Brescia | Rail | partially upgrading, partially new high-speed line |
| Brescia - Venezia - Trieste | Rail | works to start before 2014 on several sections |
| Milano - Mantova - Venezia - Trieste | IWW | studies, upgrading, works |
| Trieste - Divača | Rail | studies and partial upgrading ongoing; cross-border section to be realised until after 2020 |
| Koper - Divača - Ljubljana - Maribor | Rail | studies and upgrading/partially new line |
| Ljubljana node | Rail | rail node Ljubljana, including multi-modal platform; rail airport interconnection |

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| Maribor - Zalalövö | Rail | cross-border section: studies, works to start before 2020 |
| Boba- Szekesferhervar | Rail | upgrading |
| Budapest-Miskolc-UA border | Rail | upgrading |

4. Hamburg – Rostock – Burgas/TR border – Piraeus – Lefkosia

Hamburg / Rostock – Berlin – Praha – Brno – Bratislava – Budapest – Arad – Timișoara – Sofia
Sofia – Burgas/TR border
Sofia – Thessaloniki – Piraeus – Limassol – Lefkosia

| Pre-identified sections | Mode | Description/dates |
|---|-----------------------------------|---|
| Dresden - Praha | Rail | studies for high-speed rail |
| Prague | Rail | Upgrading, freight bypass; rail connection airport |
| Hamburg - Dresden - Praha - Pardubice | IWW | Elbe upgrading |
| Děčín locks | IWW | studies |
| Breclav - Bratislava | Rail | cross-border, upgrading |
| Bratislava - Hegyeshalom | Rail | cross-border, upgrading |
| Budapest - Arad - Timișoara - Calafat | Rail | upgrading in HU nearly completed, ongoing in RO |
| Vidin - Sofia - Burgas/TR border Sofia - Thessaloniki - Athens/Piraeus | Rail | studies and works Vidin – Sofia – Thessaloniki; upgrading Sofia – Burgas/TR border |
| Athens/Piraeus - Limassol | MoS | port capacity and hinterland connections |
| Limassol - Lefkosia | Ports, multimodal platforms | upgrading of modal interconnection |

5. Helsinki – Valletta

Helsinki – Turku – Stockholm – Malmö – København – Fehmarn – Hamburg – Hannover
Bremen – Hannover – Nürnberg – München – Brenner – Verona – Bologna – Roma – Napoli – Bari
Napoli – Palermo – Valletta

| Pre-identified sections | Mode | Description/dates |
|-------------------------------------|------------|--|
| Kotka/Hamina - Helsinki | Port, rail | port hinterland connections, rail upgrading |
| Helsinki | Rail | airport-rail connection |
| RU border - Helsinki | Rail | works ongoing |
| Turku - Stockholm | Ports, MoS | port hinterland connections, icebraking capacity |
| Stockholm - Malmö (Nordic Triangle) | Rail | works ongoing on specific sections |

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| Fehmarn | Rail | studies ongoing, construction works Fehmarn Belt fixed link between 2014 and 2020 |
| København - Hamburg via Fehmarn: access routes | Rail | access routes DK to be completed by 2020, access routes Germany to be completed in 2 steps (2020 - 2027) |
| Hamburg/Bremen - Hannover | Rail | works to be started before 2020 |
| München - Wörgl | Rail | access to Brenner Base Tunnel and cross-border section: studies |
| Brenner Base Tunnel | Rail | studies and works |
| Fortezza - Verona | Rail | studies and works |
| Napoli - Bari | Rail | studies and works |
| Napoli – Reggio Calabria | Rail | Upgrading |
| Messina - Palermo | Rail | upgrading (remaining sections) |
| Palermo - Valletta | Ports, MoS | port hinterland connections |
| Valletta - Marsaxlokk | Port, airport | traffic management systems to be deployed, upgrading of modal interconnection |

6. Genova – Rotterdam

Genova – Milano/Novara – Simplon/Lötschberg/Gotthard – Basel – Mannheim – Köln
Köln– Düsseldorf – Rotterdam/Amsterdam
Köln– Liège – Bruxelles/Brussel– Zeebrugge

| Pre-identified sections | Mode | Description/dates |
|---------------------------------------|------|--|
| Genova - Milano/Novara - CH border | Rail | studies; works starting before 2020 |
| Basel - Rotterdam/Amsterdam/Antwerpen | IWW | upgrading |
| Karlsruhe - Basel | Rail | works to be completed by the end of 2020 |
| Frankfurt - Mannheim | Rail | studies ongoing |
| Zevenaar - Emmerich - Oberhausen | Rail | works to be completed until 2017 |
| Zeebrugge | Port | locks: studies ongoing |

7. Lisboa - Strasbourg

Sines / Lisboa – Madrid – Valladolid
Lisboa – Aveiro – Oporto
Aveiro – Valladolid – Vitoria – Bordeaux – Paris – Mannheim/Strasbourg

| Pre-identified sections | Mode | Description/dates |
|---------------------------------------|-------------|---|
| High Speed rail Sines/Lisboa - Madrid | Rail, ports | studies and works ongoing, upgrading of modal interconnection ports of Sines/Lisboa |

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| High speed rail Porto - Lisboa | Rail | studies ongoing |
| Rail connection Aveiro - ES | Rail | cross-border: works ongoing |
| Rail Connection Bergara - San Sebastián - Bayonne | Rail | completion expected in ES by 2016, in FR by 2020 |
| Bayonne - Bordeaux | Rail | ongoing public consultation |
| Tours - Bordeaux | Rail | works ongoing |
| Paris | Rail | southern high-speed bypass |
| Baudrecourt - Mannheim | Rail | upgrading |
| Baudrecourt - Strasbourg | Rail | works ongoing, to be completed 2016 |

8. Dublin – London – Paris – Brussel/Bruxelles

Belfast – Dublin – Holyhead – Birmingham
Glasgow/Edinburgh – Birmingham
Birmingham – London – Lille – Brussel/Bruxelles
Dublin/Cork/Southampton – Le Havre – Paris
London – Dover – Calais – Paris

| Pre-identified sections | Mode | Description/dates |
|--------------------------------------|-------|--|
| Dublin - Belfast | Rail | Upgrading; Dublin Interconnectors (DART) |
| Glasgow - Edinburgh | Rail | upgrading |
| High Speed 2 | Rail | studies |
| Swansea - Cardiff - Bristol - London | Rail | upgrading |
| Dublin, Cork, Southampton, Le Havre | Ports | hinterland connections |
| Le Havre - Paris | IWW | upgrading |
| Le Havre - Paris | Rail | studies |
| Calais - Paris | Rail | preliminary studies |

9. Amsterdam – Basel/Lyon – Marseille

Amsterdam – Rotterdam – Antwerp – Brussel/Bruxelles – Luxembourg
Luxembourg – Dijon – Lyon
Luxembourg – Strasbourg – Basel

| Pre-identified sections | Mode | Description/dates |
|-------------------------|------|-------------------|
| Maas | IWW | upgrading |

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| Albertkanaal | IWW | upgrading |
| Terneuzen | Maritime | locks: studies ongoing |
| Terneuzen - Gent | IWW | studies, upgrading |
| Antwerp | Maritime, port | locks: studies ongoing, port: hinterland connections |
| Canal Seine - Escaut | IWW | design completed, competitive dialogue launched, overall completion by 2018 |
| Waterways upgrade in Wallonia | IWW | studies, upgrading |
| Brussel/Bruxelles - Luxembourg - Strasbourg | Rail | works ongoing |
| Strasbourg - Mulhouse - Basel | Rail | upgrading |
| Rail Connections Luxembourg - Dijon - Lyon (TGV Rhin - Rhône) | Rail | studies and works |
| Lyon | Rail | eastern bypass: studies and works |
| Canal Saône - Moselle/Rhin | IWW | preliminary studies ongoing |
| Rhône | IWW | upgrading |

10. Strasbourg – Danube Corridor

Strasbourg – Stuttgart – München – Wels/Linz
 Strasbourg – Mannheim – Frankfurt – Würzburg – Nürnberg – Regensburg – Passau – Wels/Linz
 Wels/Linz – Wien – Budapest – Arad – Braşov – Bucureşti – Constanta - Sulina

| Pre-identified sections | Mode | Description/dates |
|---|------|---|
| Rail connection Strasbourg - Kehl Appenweier | Rail | works interconnection Appenweier |
| Karlsruhe - Stuttgart - München | Rail | studies and works ongoing |
| München - Mühldorf - Freilassing - Salzburg | Rail | studies and works ongoing |
| Salzburg - Wels | Rail | studies |
| Nürnberg - Regensburg - Passau - Wels | Rail | studies; works partly ongoing |
| Rail connection Wels - Wien | Rail | completion expected by 2017 |
| Wien - Budapest | Rail | studies high speed HU |
| Arad - Braşov - Bucureşti - Constanta | Rail | upgrading of specific sections; studies high-speed |
| Main – Main-Donau-Canal – Danube | IWW | studies and works on several sections and bottlenecks; inland waterway ports: hinterland connections |
| Constanta | Port | hinterland connections |

b) Other Sections on the Core Network

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| Sofia to FYROM border | Cross-Border | Rail | studies ongoing |
| Sofia to Serbian border | Cross-Border | Rail | studies ongoing |
| Timișoara – Serbia border | Cross-Border | Rail | studies ongoing |
| München – Praha | Cross-Border | Rail | studies |
| Nürnberg – Praha | Cross-Border | Rail | studies |
| Wrocław – Dresden | Cross-Border | Rail | upgrading |
| Wrocław – Praha | Cross-Border | Rail | studies |
| Graz – Maribor – Pragersko | Cross-Border | Rail | studies |
| Bothnian Corridor: Lulea – Oulu | Cross-Border | Rail | studies and works |
| North-West Spain and Portugal | Bottleneck | Rail | works ongoing |
| Frankfurt – Fulda – Erfurt – Berlin | Bottleneck | Rail | studies |
| Halle – Leipzig – Nürnberg | Bottleneck | Rail | works ongoing, to be completed by 2017 |
| Rail Egnathia | Bottleneck | Rail | studies ongoing |
| Inland waterways Dunkerque – Lille | Bottleneck | IWW | studies ongoing |
| Parallel HSR line Paris- Lyon | Bottleneck | Rail | preliminary studies ongoing |
| Sundsvall – Umea – Lulea | Bottleneck | Rail | studies and works |
| Malmö - Göteborg | Other Core Network | Rail | works |
| Bothnian – Kiruna – NO border | Other Core Network | Rail | studies and works |
| Rail connection Shannon – Cork – Dublin | Other Core Network | Rail | studies ongoing |
| Rail connection to Wilhelmshaven and Bremerhaven | Other Core Network | Rail | studies ongoing |
| Zilina – UA border | Other Core Network | Rail | upgrading |
| Ventspils – Riga – RU border | Other Core Network | Rail | upgrading |
| Klaipeda – Kaunas – Vilnius – BY border | Other Core Network | Rail | Upgrading, airport interconnection |
| Katowice – Wrocław – DE border | Other Core Network | Rail | upgrading |
| Marseille – Toulon – Nice – IT border | Other Core Network | Rail | studies high-speed |
| Bordeaux – Toulouse | Other Core Network | Rail | studies high-speed |
| Tampere – Oulu | Other Core Network | Rail | upgrading of sections |

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| Pamplona – Zaragoza - Sagunto | Other Core Network | Rail | studies and works |
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