

ANNEX

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

a) Horizontal Priorities

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
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
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
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
Maribor - Zalău	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
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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
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
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
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

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
Wroclaw – 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 – Wroclaw – DE border	Other Core Network	Rail	upgrading

	Network		
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
Valencia-Alicante Murcia –Cartagena – Almería – Granada – Antequera - Sevilla	Other Core Network	Rail	studies and works
Pamplona – Zaragoza - Sagunto	Other Core Network	Rail	studies and works