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UNECE – UNESCAP

*UN Development Account Capacity Building Project
on Interregional Transport Linkages*

3rd Expert Group Meeting on Developing Euro-Asian Transport Linkages
(27 – 29 June 2005, Istanbul, Turkey)

**Document 5. Information on Sea Ports, including responses to the
BSEC/UNECE/UNESCAP questionnaire on Black Sea ports**

The present document contains a summary of information on sea ports provided in the Country Reports (Annex 4 of the Country Report). It is intended to facilitate the discussion under agenda item 5.a. of the draft agenda on “Intermodal connectivity of selected Euro-Asian routes: Black Sea and Caspian Sea Ports”.

At the 2nd EGM, the Meeting noted that there was “a need to thoroughly consider the ways in which the Black Sea ports fit into the proposed routes, taking into account both existing facilities and plans for future development” (paragraph 18). In this regard, UNECE presented the Euro-Asian Transport Linkages project to the Meeting of the Black Sea Economic Cooperation (BSEC) Working Group on Transport (Thessaloniki, Greece, 26 – 27 January 2005). The Working Group agreed to UNECE’s proposal to elaborate with the Black Sea PERMIS a questionnaire on the Black Sea ports. A summary of the results of the questionnaire are also given in this document.

Copies of this document will also be available at the meeting.

Country	No	Name and location	Technical characteristics						Working days / hours	Available services (pilotage -towing-Fire fighting-water-bunkering)	Annual throughput (tonnes and TEU) For the year 2003	Current difficulties and plans for improvement		
			Maximum draft of vessels served (m)	Ships berths available (m)	Types of ships handled (Dry cargo-bulk-container-Ro/Ro Passenger)	Handling facilities	Bulk cargo handling capacity (tonnes/day)	Container handling capacity (TEU/day)					Open/ Covered storage space (m2)	
Azerbaijan	1	International Trade Port of Baku						16493		10617	Every day, 24 hours	Documentation, channel duty		
		Landing place	6,02 x 140		ferry	Autoloading, Si-Su tractor, Kalmar portal crane		8984			Every day, 24 hours	Ship duty, anchor duty, environment duty	7 000 000	Reconstruction of landing place which will be completed in 2005
		Freight terminal	5,1-6,0 x 960		Ro-Ro, dry cargo ships	tones), autoloading, Si-Su tractor		246			Every day, 24 hours	Pilotage duty, bridge duty	2 000 000	
		Container terminal TEU			Dry cargo ships	Kalmar 40 tones; autoloading: 2,5;1,5; 3,0; 10; 40		1			Every day, 24 hours	Closing-opening, approaching-separating	20 000	Reconstruction of maritime station
		Oil terminal	7,24 x 250		tanker	pumps		7258			Every day, 24 hours		10 000 000	
Bulgaria	2	PORT OF VARNA; 43 12' N 27 55'	11,00	34; 5 765 m	General and bulk cargo, containers, installations for handling liquid chemicals			40 000 t/day	300 TEU/day	24 000/76 900	16 h – bulk; 24 h - containers	Pilotage, Fire fighting, Towing, Water-bunkering	2001-5 348 660 t; 46 545 TEU; 2002-6 775 740 t; 56 614 TEU; 2003-7 465 880 t; 64 050 TEU	Plans for improvement
Bulgaria	3	PORT OF BOURGAS; 42 29' N 27 29' E	11,00	28; 3 905m	General and bulk cargo containers, refrigerator and liquid cargo			50 000t/day	200 TEU/day	311 600; 74 900; 5 300	2 shifts; 05:00 – 22:30 h ; 7 days;	2 companies;- 2 companies;- barge, car-tank	6 millions t; 25 000 ; TEU	Plans for enlargement of Port of Bourgas
Bulgaria	4	OIL PORT (PORT OF BOURGAS)	12	3; 300m	Treatment of oil products			50 000t/day	-	-	24h/7days	2 companies;- 2 companies;- barge	7.5millions t	-
China	5	Shanghai	14.5	87548	all	all				3495076	7/24	all	00': 204mtons, 5.61mteus	
						(available)							03': 313mtons, 11.28mteus	
China	6	Lianyungang	16.2	6023	all	all				1266827	7/24	all	00': 27mtons, 0.12mteus	
						(available)							03': 37.5mtons, 0.30mteus	

Georgia	7	Batumi Port							24	All Services				
		Non Quay	12,0											
		Quay No1	12,0	200,0										
		Quay No2	10,2	140,0										
		Quay No3	10,2	165,0	Liquid Cargo						12500000			
		Quay No4	8,0	284,0	Container Terminal	Goatskin Tap 40t/3 "Ganc"	1370 TEU/day				500000 TEU			
		Quay No5	10,0	225,0	Ferry Terminal	Ferry Bridge	5000				900000			
						"Ganc"								
						5-6t/2								
						"Albatros"								
		Quay No6	8,0	181,0		10-20t/1	1800							
						"Albatros"								
						10-20t/3								
						"Abus"								
		Quay No7	11,0	263,0		10t/1	3700							
						"Ganc"								
		Quay No8	10,0	189,0		5-6t/2	650			Open 260m2/				
						"Ganc"				Open 255m2/				
		Quay No9	10,0	195,0	Dry, Bulk Cargo	5-6t/3	450-650				2500000			
		Quay No10	10,0		For Long Range Passenger									
		Quay No11	10,0		Ships	Passenger Terminal								
											15900000Tones			
											500000			
											TEU			
		Total												
Georgia	8	Poti Port			Bulk-Container-Ro/Ro Passenger	Port crane. Self-Moving crane. Yoke loader	03-Jun	400	Open – 5248 m2 Covered – 1003 m2					
			12,0	264,0			Tones/day	TEU/day		24	All Services			
Iran	9	Anzali	5.5	1538	Dry cargo, Ro/Ro	Crane, Mobile, Rail/Road		123	56	22709	24	Fire fighting, Bunkering	3682533	Under Improvement
Iran	10	Amirabad	5.5	1500	Dry cargo, Ro/Ro	Crane, Mobile, Rail/Road		150	56	40000	24	Towage, Fire fighting	805665	Under Construction
Iran	11	Bandar Emam	13.5	6809	Dry cargo, Bulk, Container, Ro/Ro	Gantries, Crane, Mobile, Rail/Road		28269	778	287940	24	Pilotage, Towage, Bunkering	16397578	
Iran	12	Bushehr	8.5	929	Dry cargo, Bulk	Crane, Mobile		587	89	27921	24	All services	2038066	
Iran	13	Bandar Abbas	12.5	5920	Dry cargo, Container, Ro/Ro, Passenger	Gantries, Crane, Forklifts, Rail/Road		22393	2911	266700	24	All services	40344902	Under Development
Iran	14	Chabahar	9.5	1266	Dry cargo, Bulk, Container	Crane, Mobile		817	111	22700	24	All services	845753	Under Improvement & Development

Kazakhstan	15	Republican state enterprise "Aktau Commercial Sea Port"	6 meters	№6	Oil berths No. 4, 5, 9, 10 Dry cargo berths – No. 1, 2 Ferry terminal - No 8, 3 All-purpose berth (grain, dry cargo, Ro-Ro) – No. 6 Universal Универсальный причал (зерно, сухогруз, PO-PO) -	Tankers Dry cargo vessels Railway ferries, tankers, Сухогрузы, паромы (PO-PO)	"Albatros" type crane, loading capacity ` (LC) is 10/20 tons · "Sokol" type crane, LC is 16/32 tons · 3 cranes of "Mantacraf" type, LC is 10, 20 tons. Mobile cranes· 1 crane of the type LHM – 150, LC is 37 tons· 1 crane of the type LHM – 250, LC is 80 tons Loaders· 2 loaders of the model FD 18T-16, LC - 1.6 tons· 2 loaders of the model FD 50-7, LC - 5 t. · 2 loaders of the model FD 35T-7, LC - 3.5 t. · 2 loaders of the model FD 160-6, LC - 16 t. · 1 container	4110	54	Covered storage space – 6000 m2 Open storage space – 50000 m2	Twenty-four-hour without breaks	Transfer of cargoes, pilotage to the port's water area, towage	1. Металл – 835,5 тыс. Тонн; 2. Нефть – 6970,7 тыс. тонн ; 3. Зерно – 5,4 тыс. Тонн; 4. Другие грузы – 22,6 тыс. Тонн; 5. Паромные грузы - 245,5 тыс. тонн
Romania	16	Constanta, 440 10' N, 280 39' E	19,00	29.83	Oil terminal, Ore terminal Container terminal, General cargoes, Grains and refrigerated, Dry cargo / bulk terminal, Passengers, Silos, Shipyard, River maritime basin,		Port crane, Ship unloaders for iron ore, Storage bridges for stackink and taking over stackers, Reclaimers, Stracker – reclaimer machines, Equipment for barge loadings, Equipment for barge loading, Ship unloaders for phosphates, Portainers, Transtainers bridges, Bag loading installations, Floating pneumatic for installations cement,	287.671	1.334	96.835 / 1.785.522	24 hours	V.T.S., Pilotage, Towage, Fire fighting, Water, Bunkering, Thermic fluid, Shiping and cargo agents, Parking, Marking, Telecommunications, The Danube connection CDMN	del Ina Bereca de vorbit la Cta.
Romania	17	Mangalia, 430 49' N, 280 35' E,	9,00	20			Dry-docks, Outfitting quays, Cranes, Outfitting hall	2.74		20.000 / 4.300	24 hours	Thermic fluid, Fire fighting, Water, Bunkering	
Romania	18	Midia, 440 20' N, 280 41' E,	7,50	340			services, Phone services, Floating docks, Fitting out quays, Quay cranes			45.321 / 2.160	24 hours	Pilotage, Towage, Thermic fluid, Fire fighting, Water, Bunkering	
Russian Fed	19	St. Petersburg	* information on the ports in the Russian Federation to be										
Russian Fed	20	Vladivostock											
Russian Fed	21	Vostochny											
Russian Fed	22	Nakhodka											
Russian Fed	23	Astrakhan											
Russian Fed	24	Alya											
Russian Fed	25	Makhachkala											
Russian Fed	26	Novorossysk											
Russian Fed	27	Kafkaz											

Turkey	28	Haydarpaşa-İstanbul	-12	2765	Dry cargo-bulk container-Ro/Ro	transtainers, reachstackers, mobile-forklifts-20'/40' containers.Quay cranes, mobile cranes. Rail/road transshipment facilities available	6516	983	Open: 181,750 Closed: 20,572	7 days 24 hours	pilotage -towage-Fire fighting-water-bunkering	5,723,000 tonnes in total 244,467 TEU container
Turkey	29	Mersin	-14,5	4605		transtainers, reachstackers, mobile-forklifts-20'/40' containers.Quay cranes, mobile cranes. Rail/road transshipment facilities available	7514	886	Open: 589,226 Closed: 32,649	7 days 24 hours	pilotage -towage-Fire fighting-water-bunkering	15,477,000 tonnes in total 467,111 TEU container
Turkey	30	İzmir	-13	2959		transtainers, reachstackers, mobile-forklifts-20'/40' containers.Quay cranes, mobile cranes. Rail/road transshipment facilities available	3772	1525	Open: 215,940 Closed: 24,678	7 days 24 hours	pilotage -towage-Fire fighting-water-bunkering	11,109,000 tonnes in total 244,467 TEU container
Turkey	31	Samsun	-12	1756		reachstackers, mobile-forklifts-20'/40' containers.Quay cranes, mobile cranes. Rail/road transshipment facilities available	6611	--	Open: 270,080 Closed: 12,019	7 days 24 hours	pilotage -towage-Fire fighting-water-bunkering	2,769,000 tonnes in total -
Turkey	32	Derince	-15	1092		reachstackers, mobile-forklifts-20'/40' containers.Quay cranes, mobile cranes. Rail/road transshipment facilities available	6355	-	Open: 122,990 Closed: 2,000	7 days 24 hours	pilotage -towage-Fire fighting-water-bunkering	1,451,000 tonnes in total 1,936 TEU container
Turkey	33	İskenderun	-12	1426		reachstackers, mobile-forklifts-20'/40' containers.Quay cranes, mobile cranes. Rail/road transshipment facilities available	9019	-	Open: 374,630 Closed: 18,395	7 days 24 hours	pilotage -towage-Fire fighting-water-bunkering	2,256,000 tonnes in total 1,475 TEU container
Turkey	34	Trabzon										

Ukraine	35	Ust'-Dunaisk, Zhebrianska bay Black sea	10	150	Universal, bulk cargo, lighter.	Floating crane	500	Open - 17,6 Covered - 0,9	Daily, round the clock	Pilot installation; tow provision; anchorage of ship	622	Is necessary reconstruction of connecting channel.
Ukraine	36	Belhorod-Dnestrovskii (Dnestrovskii., Black sea)	4.8	1197	Universal, bulk cargo.	Portal, caterpillar and automobile crane, floating crane, loader, conveyer for load corn	500	Open - 74,5 covered - 16,7	Daily, round the clock	Pilot installation; tow provision; anchorage of ship; special works with wood and chemical fertilaser, calculation of carriageand automobile.	657	Is Planing: - Lengthening berthage for 100 m, reconstruction and updating tranship equipment; - widening storage area for 20 thousand m2 and installationpart of berth portal and trestle crane.
Ukraine	37	Mykolaiv, Bugskii lim., Black sea	10	2298	Universal, containership, bulk cargo.	Portal crane, autoloader, port tractor trailer, scoop loader, special complex for transhipment corn, chemical cargo	200	Open - 150,8 Covered - 27,0	Daily, round the clock	Pilot installation; tow provision; anchorage of ship; repair of shipping.	4241 (12)	Continued building and reconstruction berth; is necessary widening railways. Approach to port.
Ukraine	38	Il'ichevskii sea port, Il'ichevsk	14	28 berth total length 6000 m	Dry-cargo ships, containership, Ro/Ro, cargo-pass. Ferry-boat "roll-on-roll-off"	Portal crane c. 5-40 t - 90 units; berthage containers overloader c. 35-45 t - 5 units; trestle container crane 7 units; caterpillar and automobile crane c.5-50 ton - 22 units; boating crane c. 5, 100, 300 ton - 4 units; boating corn transhipment c. 400 ton/hour - 1 unit. Autoloader c. from 1,5 to 35 ton - 166 units; tractor "Terberg", T150K, K701 - 65 units; trailers, c. 20-60 ton - 70 units; scoop tractorsloaders - 18 units; Portal autocontainerships - 9	Container terminal - 160,000 TEU in a year (in the end of 2004. Are planing capacity container terminal will be 220,000 TEU); Multimodal terminal - 124,000 TEU in a year	Open - 800 тыс. кв.м	Daily, round the clock	Transhipment, storage of freight, forwarding service, Pilot installation, tow provision, fire-tug service.	23270 тыс.т.; 160 тыс. TEU	Necessary make bottom channel deeper from 15 m to 17 m, and make bottom deeper near to berths №2, 7, 8, 9, 21. Not enough is capacity container terminal: Needed to make reconstruction of berths №3, 4 and storage complex.

REGULAR LINER SERVICES & CONNECTIONS OF PORTS LINKED TO EURO-ASIAN ROUTES

Based on data collected in cooperation with BSEC PERMIS and the BSEC WG on Transport, last update, 21/6/05

Country	Port	Size container yard	Mooving equip.	ICD in port	Rail Linked	Container	Liner services and conections		
							Rail Ferry	RO-RO	Gen. Cargo
							Frequency	Frequency	Frequency
Bulgaria	Varna	25000m2	3x25 t	No	Yes	No data	Ilichevsk-weekly	No dat	No data
	Bourgas	60.000 m2 stacking-3-high cap.1500 TEU	Ship-to-shore 2X40 t Kalmar tugmasters and reachstackers	No	Yes	No data	No data	Poti every 10 Days	No data
Georgia	Batumi	No data	3X40t Ganc Ferry Bridge	No data	Yes	No data	Ilichevsk, Poti every 10 Days	No	No
	Poti	capacity 678 TEU	3X Condore Cranes Mobile& semi-mobiles	No	Yes	Black Sea Mediter. Weekly	Ilichevsk every 10 Days	Burgas, Rize Novor., Poti every 10 Days	No
Romania	Constanta	4Xcon.Term. 500000m2 cap.20000TEU	1XMobile crane 104t 3X 45t Reachstakers 65X40tGabtryCranes	Yes plus IWW	Yes	Black Sea Med.Far East Weekly	Derince,Batumi Kocaeli Weekly	No	Black Sea Med. Gulf Weekly
Russia	Novorosisk	3 terminals 6500m2	12X48-100t 6XReashstack. 41-45t 27 Tugmasters	Yes	Yes	Black Sea Mediterran.	No	No	No
	Kafkas	No data	No data	No data	No data	No data	No data	No data	No data
Turkey	Haydarpasa	No data	Gantry Cranes Transtainers Reachstackesrs Mobile forklifts	No data	Yes	Black Sea Med.Far East Daily	No	Mediterran. Daily	Black Sea Mediterran. Weekly
	Samsun	No data	Transtainers Reachstackers Mobile forklifts	No data	Yes	No	No	Novorosisk	Black Sea
	Derivce	20000m2	4XBelotti, 1Xfantori 3XKalmer	No	Yes	No	Cosatanta Ilichevsk Weekly	No	Black Sea
	Trabzon	No data	No data	No data	No data	No data	No	No	Medit-weekly
	Izmir	No data	Gantry Cranes Transtainers Reachstackesrs Mobile forklifts	No data	Yes	Medit-weekly	No	Medit-weekly	Medit-weekly
	Iskenderun	No data	Reachstackers mobile forklift 20/40 Rial/road tranship	No data	Yes	No data	No data	No data	No data
	Mersin	No data	Gantry Cranes Transtainers Reachstackers Mobile forklifts	No data	No data	Mediterran. Daily	No	Mediterrane. Daily	Mediterrane. Daily
Ukraine	Ilivhevsk	157000 m2 200000 TEU Per year	Ship-shore3X30-35t straddlecarriers30,5t many types front lifts	Yes	Yes	Black Sea Med. Far East Weekly	Varna, Poti, Batumi, Derince Weekly	No	Black Sea Med. Far East 15 Days
	Odessa	145000 m2 220000 TEU Per year	1XMobile crane 64 t 1XCont.Lifting 40t 1X ship-shore 30,5t 2XCont.load.30,5t 7Xsup/struck.40-45t	No	Yes plus IWW	Black Sea Med. Far East Weekly	No	No	Black Sea Med. Far East 15 Days

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