



CFR NETWORK STATEMENT - 2022

**ANNEX 24.b** **PROJECTS FOR THE MODERNIZATION OF THE RAILWAY  
INFRASTRUCTURE RELATED TO THE EUROPEAN CORRIDORS AND  
THE TEN-T NETWORK**

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COMPANIA NATIONALA DE CAI FERATE CFR SA

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The railway development projects, carried out by CNCF "CFR" -SA, with financing from non- reimbursable funds are:

## **A. RIN - DANUBE CORRIDOR**

(BORDER – CURTICI – ARAD – BRAȘOV / CRAIOVA – BUCHAREST – CONSTANȚA)

### **A.I Project in implementation**

- 1. The Border-Curtici-Arad section – km. 614 Frontieră-Curtici-Arad-km.614**  
(project initially funded from SOP 2007-2013, currently from the state budget)

**Technical data:** rehabilitation of 41,185 km  
**Source of funding:** Cohesion Fund + State Budget  
**Value of works:** 1.080,48mil lei mil lei (excluding VAT)  
**Physical status:** 99.00%

- 2. Rehabilitation of the CF Coșlariu - Simeria railway line (75.28 km) - phased project**  
(Phase I - financed from SOP 2007-2013, Phase II - financed from POIM 2014-2020)

#### **2.1 Section Simeria - Vințu de Jos:**

**Technical data:** rehabilitation of 42,26 km  
**Source of funding:** Cohesion Fund + State Budget  
**Value of works:** 1.350,52 mil lei (excluding VAT)  
**Physical status:** 98.87%

#### **2.2 Section Vințu de Jos - Coșlariu:**

**Technical data:** rehabilitation of 33,02 km  
**Source of funding:** Cohesion Fund + State Budget  
**Value of works:** 766, 92 mil lei (excluding VAT)  
**Physical status:** 95.68%

- 3. Rehabilitation of the railway line Coșlariu - Sighișoara, (91,583) km - phased project**  
(Phase I - financed from SOP 2007-2013, Phase II - financed from POIM 2014-2020)

**Technical data:** rehabilitation 91,583 km railway line

#### **3.1. Section Coșlariu Micăsasa**

**Technical data:** rehabilitation of 36,645 km CF lines;  
**Source of funding:** Cohesion Fund + State Budget  
**Value of works:** 721,85 mil lei (excluding VAT)  
**Physical status:** 99,90%

#### **3.2. Section Micăsasa – Ațel**

**Technical data:** rehabilitation of 29,624 km CF lines,  
**Source of funding:** Cohesion Fund + State Budget  
**Value of works:** 747,50 mil lei (excluding VAT)  
**Physical status:** 99.40%

#### **3.3. Section Ațel - Sighișoara**

**Technical data:** rehabilitation of 25,314 km CF lines,

**Source of funding:** Cohesion Fund + State Budget  
**Value of works:** 866,79 mil lei (excluding VAT)  
**Physical status:** 99.70%

**4. ERTMS, GSM-R, CE works: Simeria - Sighișoara**

**Source of funding:** Cohesion Fund + State Budget  
**Value of works:** 498,29 mil lei (excluding VAT)  
**Physical status:** 76% for section Simeria–Coșlariu, 87% for section Coșlariu-Sighișoara

**5. Rehabilitation project of the railway line km 614- Gurasada - Simeria**

*(project financed from POIM 2014-2020)*

**Technical data:** rehabilitation of 144 km of railway line between Simeria and km 614, including all related structures and ancillary works and introduction of ERTMS / ETCS level 2 system

**Execution period:** 2017-2022

**a. Subsection 2a: Km 614- Cap Y Bâr zava**

**Technical data:** rehabilitation of 41,912 km CF lines.  
**Source of funding:** POIM 2014 - 2020  
**Value of works:** 1.689,96 mil lei (excluding VAT)  
**Physical status:** 41,55%

**b. Subsection 2b: Cap Y Bâr zava – Cap Y Ilteu**

**Technical data:** rehabilitation of 36,042 km of CF  
**Source of funding:** POIM 2014 - 2020  
**Value of works:** 1.763,39 mil lei (excluding VAT)  
**Physical status:** 42,40%

**c. Subsection 2c: Cap Y Ilteu – Cap Y Gurasada**

**Technical data:** rehabilitation of 22,341 km of CF  
**Source of funding:** POIM 2014 - 2020  
**Value of works:** 1.498,98 mil lei (excluding VAT)  
**Physical status:** 22,62%

**d. Section 3: Cap Y Gurasada – Cap Y Simeria**

**Technical data:** rehabilitation of 40,883 km of CF  
**Source of funding:** POIM 2014 - 2020  
**Value of works:** 2.636,52 mil lei (excluding VAT)  
**Physical status:** 28,20%

**6. Rehabilitation of the Simeria - Brașov railway line, component of the Rhine - Danube Corridor, for the traffic with maximum speed of 160km / h, Brașov - Sighișoara section, subsections: 1. Brașov - Apața and 3. Cața - Sighișoara (85 km) (project financed from CEF 2014-2020)**

**Technical data:** modernization of the railway sections Brașov - Apața (38 km) and Cața - Sighișoara (47 km) to European standards regarding the technical specifications of interoperability (maximum speed of 160 km / h, ERTMS / ETCS level 2, axle load of 22.5 t, facilitating access for people with reduced mobility)

**Source of funding:** CEF 2014 - 2020

**Value of works:** 2.979,39 mil lei (excluding VAT)

**Execution period:** 2020-2024

**Stage:** contract signed on 21.03.2017, start order given on 16.04.2020, handing over the site on 10-11 May 2020. Execution contract in progress.

**7. Modernization of the railway infrastructure in Constanta Port**

**Technical data:** rehabilitation of 26,9 km CF lines

**Source of funding:** CEF 2014-2020 + STATE BUDGET

**SF value:** 9,2 mil lei (excluding VAT)

**Stage:** Contract for the elaboration of an ongoing Feasibility Study

**8. 8. Modernization of the Bucharest North railway line - Henri Coandă International Airport Bucharest - Phase I: Connection C.F. at Terminal T1, Henri Coandă International Airport Bucharest**

**Technical data:** rehabilitation of 2,9 km CF line

**Source of funding:** POIM 2014-2020 + STATE BUDGET

**Value of works:** 398,16 mil lei (excluding VAT)

**Stage:** 63%

## A.II Projects in the public procurement stage

### 1. Rehabilitation of the railway deck line Brasov - Simeria, component of the Rhine - Danube Corridor, for the traffic with maximum speed of 160 km / h, section Brasov - Sighisoara, subsections: 2. Apața - Cața

**Technical data:** modernization of the Apața - Cața railway section (28 km) to European standards regarding the technical specifications of interoperability (maximum speed of 160 km/h, ERTMS/ETCS level 2, axle load of 22.5 t, facilitation of access for people with reduced mobility)

**Source of funding:** CEF 2014-2020 + STATE BUDGET

**Estimate value:** 2.867,94 mil lei (excluding VAT)

**Acquisition stage:**

a. for expropriation activity - in the implementation stage of the service contract.

b. for works supervision activity: the procedure in the analysis phase of the submitted bids

c. for ERTMS works execution and implementation activity: contested procurement procedure.

### 2. Rehabilitation of the Brașov - Predeal railway line

**Technical data:** rehabilitation of 26,9 km CF line

**Source of funding:** CEF 2014-2020 + STATE BUDGET

**Estimate value SF:** 19,50 mil lei (excluding VAT)

**Stage:** The evaluation report has been signed, the contract will be signed .

## **B. ORIENT/EST-MEDITERANEAN CORRIDOR**

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(Arad – Timișoara – Craiova – Calafat)

### **B.1 Projects in preparation**

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**1. Feasibility Study for the modernization of the Arad - Timișoara - Caransebeș railway line**

**Technical data:** modernization of 155 km c.f. line  
**Source of funding:** State Budget  
**SF value:** 7,864 mil lei (excluding VAT)  
**Stage:** Contract for the elaboration of an ongoing Feasibility Study

**2. 2. Revision of the feasibility study for the rehabilitation of the Craiova - Calafat railway line, component of the East / East-Mediterranean Corridor**

**Technical data:** modernization of 107 km c.f. line  
**Source of funding:** CEF 2014-2020 + State Budget  
**SF value:** 3,91 mil lei (excluding VAT)  
**Stage:** Feasibility Study Review Contract in progress

**3. 3. Feasibility study for the rehabilitation of the Caransebes - Drobeta Turnu Severin Severin - Craiova railway line, part of the East / East-Mediterranean Corridor**

**Technical data:** modernization of 234 km c.f. line  
**Source of funding:** CEF 2014-2020 + State Budget  
**SF value:** 23,548 mil lei (excluding VAT)  
**Stage:** Contract for the elaboration of an ongoing Feasibility Study

## C. CENTRAL AND GLOBAL TEN-T NETWORK

### C.I Project being implemented

1. **Rehabilitation projects of bridges, footbridges and railway tunnels on SRCF Cluj - Lot 4 - Bridges and footbridges - project financed from POIM 2014-2020**

Technical data: 1 bridge; 2 culverts  
Source of funding: ERDF + State Budget  
Value of works: 27,901 mil lei (excluding VAT)  
Physical status: 92,50 %

2. **Rehabilitation projects of bridges, footbridges and railway tunnels on SRCF Timișoara - Lot 3 - Bridges and bridges phased project (Phase I - financed from SOP 2007-2013, Phase II - financed from POIM 2014-2020)**

Technical data: 4 bridges, 1 culvert  
Source of funding: ERDF + State Budget  
Value of works: 19,502 mil lei (excluding VAT)  
Physical status: 92,00%

3. **Rehabilitation projects of bridges, footbridges and railway tunnels on SRCF Iași - Lot 3 - Bridges, footbridges - phased project (Phase I - financed from SOP 2007-2013, Phase II - financed from POIM 2014-2020)**

Technical data: 3 bridges, 6 culverts  
Source of funding: ERDF + State Budget  
Value of works: 19,693 mil lei (excluding VAT)  
Physical status: 100,00%

4. **Rehabilitation projects of bridges, footbridges and railway tunnels on SRCF Bucharest - phased project (Phase I - financed from SOP 2007-2013, Phase II - financed from POIM 2014-2020)**

Technical data: 7 bridges  
Source of funding: ERDF + State Budget  
Value of works: 47,427 mil lei (excluding VAT)  
Physical status: 97,45%

5. **System for detecting overheated axle boxes and tight trains - DCOS phased project (Phase I - financed from SOP 2007-2013, Phase II - financed from POIM 2014-2020)**

Technical data: installation of 21 equipments with infrared radiation sensors placed on the way on sleepers to detect the temperature levels of axle boxes, brake discs and brake shoes in Brănești, Dragoș Vodă, Bărăganu, Saligny, Crivina, Valea Largă, Târgu Frumos, Băile stations Sarata Monteoru, Cotesti, Sascut, Secuieni Roman, Vinga, Răcari, Drobeta Turnu Severin Est, Teregova, Jabar, Movila, Murgeanca, Vadu Lat, Maldaeni, Grozăvești  
Source of funding: ERDF + State Budget  
Value of works: 44,574 mil lei (excluding VAT)  
Physical status: 99,44%



- 6. Modernization of the electromechanical centralization installations on the section of Siculeni - Adjud**  
**Technical data:** modernization of 12 centralization stations in Mihăileni, Nădejdea, Livezi Ciuc, Lunca de Sus, Lunca de Mijloc, Ghimeș, Palanca, Simbrea, Goioasa, Asău, Dofteana, Tg. Ocna  
**Source of funding:** ERDF + State Budget din POIM 2014-2020  
**Value of works:** 101,443 mil lei (excluding VAT)  
**Physical status:** 100,00%
- 7. Rehabilitation of bridges, footbridges and railway tunnels - SRCF Craiova (three lots)**  
**a. Lot 1 – Bridges, culverts**  
**Technical data:** 3 bridges, 2 culverts  
**Source of funding:** ERDF + State Budget  
**Value of works:** 5,961 mil lei (excluding VAT)  
**Physical status:** 55,3%  
**b. Lot 2 – Bridges, culverts**  
**Technical data:** 1 bridge  
**Source of funding:** ERDF + State Budget  
**Value of works:** 27,202 mil lei (excluding VAT)  
**Physical status:** 54,40%  
**c. Lot 3 – Bridges, culverts**  
**Technical data:** 4 bridges, 5 culverts  
**Source of funding:** ERDF + State Budget  
**Value of works:** 25,891 mil lei (excluding VAT)  
**Physical status:** 63,70%
- 8. Update Feasibility study for "Electrification and rehabilitation of the railway section Cluj - Napoca - Oradea - Episcopate of Bihor**  
**Technical data:** electrification and rehabilitation of 157.9 km line c.f.  
**SF value:** 4,55 mil. lei (excluding VAT)  
**Source of funding:** POIM 2014 - 2020  
**Stage:** ongoing SF update contract
- 9. Feasibility Study for "Modernization of the railway line on the section North Bucharest - Jilava - North Giurgiu - North Giurgiu Border**  
**Technical data:** modernization of 91 km c.f. line  
**Source of funding:** POIM 2014 – 2020  
**Valoare SF:** 19.26 mil lei (excluding VAT)  
**Stage:** ongoing SF update contract
- 10. Bucharest North Railway Line - Henri Coandă International Airport Bucharest - review of the phase II feasibility study**  
**Technical data:** modernizarea și construcția liniei de cale ferată București Nord – Aeroport Internațional Henri Coandă București  
**Source of funding:** POIM 2014 - 2020  
**Stage:** contract de elaborare SF în derulare

- 11. Schedule of works to improve traffic conditions and eliminate speed restrictions on existing lines, including reconstruction works for increased speed, timetable and rail services respectively 1001 km of line (project included in MPGT - QuickWins package).**
- Technical data:** The purpose of the project is to bring the line in the parameters designed for the routes: Bucharest-Brasov, Bucharest-Craiova; Bucharest - Pitești, Bucharest - Giurgiu, Pașcani - Iași, Timișoara - Arad, Bucharest - Buzău.
- Valoare SF:** 3,9 mil lei (excluding VAT)
- Source of funding:** POIM 2014 - 2020
- Acquisition stage:** ongoing SF development contract
- 12. Modernization / consolidation / rehabilitation of the railway station Gara de Nord Bucharest - Feasibility Study**
- Technical data:** modernization / consolidation / rehabilitation 1 station c.f.
- Source of funding:** POIM 2014 – 2020
- SF value:** 11,3 mil lei (excluding VAT)
- Stage:** contract for ongoing SF development
- 13. Modernization / rehabilitation of 47 railway stations in Romania**
- Technical data:** modernization / rehabilitation 47 stations c.f. from Romania (stations of Satu Mare, Baia Mare, Jibou, Dej Călători, Beclean pe Someș, Valea lui Mihai, Carei, Salonta, Miercurea Ciuc, Fagaras, Sebes Alba, Gheorghieni, Reghin, Aiud, Teius, Razboieni, Târgoviște, Ploiești Vest , Sinaia, Busteni, Videle, Titu, Neptun hc, Costinesti Tabara, Ciulnita, Mangalia, Târgu Jiu, Alexandria, Caracal, Filiași, Roșiori Nord, Pietra Olt, Suceava Nord, Pașcani, Vatra Dornei Bai, Verești, Dolhasca, Gura Humorului, Râmnicu Sărat, Adjud, Comănești, Făurei, Tecuci, Mărășești, Băile Herculane, Petroșani, Orșova)
- Source of funding:** POIM 2014 – 2020
- Valoare estimată SF:** 18,34 mil lei (excluding VAT)
- Stage:** ongoing SF development contracts for 44 stations c.f. and a service contract in the procurement procedure for 3 stations c.f.
- 14. Rehabilitation works for bridges, footbridges and railway tunnels - stage II**
- Technical data:** rehabilitation 173 objective (94 bridge, 60 culvert, 19 tunnels)
- Source of funding:** POIM 2014 – 2020
- SF estimated value:** 16.5 mil lei (excluding VAT)
- Stage:** ongoing SF development contracts and two procurement service contracts .
- 15. Modernization of level crossings**
- Technical data:** rehabilitation 150 level crossings
- Source of funding:** POIM 2014 – 2020
- SF estimated value:** 11,2 mil lei (excluding VAT)
- Stage:** 4 contracts for ongoing SF development and two service contracts in the procurement procedure .
- 16. 16. Feasibility study for the rehabilitation of the Ploiești-Triaș - Focșani railway line**
- Technical data:** The purpose of the feasibility study is to develop the necessary documentation for the rehabilitation of 143 km of c.f.
- Source of funding:** POIM 2014 - 2020

**SF value:** 15,96 mil lei (excluding VAT)  
**Acquisition stage:** ongoing SF development contract

**17. Feasibility study for the rehabilitation of the Roman-Paşcani-Iași-Frontier railway line**

**Technical data:** The purpose of the feasibility study is to develop the necessary documentation for the rehabilitation of 139 km of c.f.

**Source of funding:** POIM 2014 - 2020

**SF value:** 16,50 mil lei (excluding VAT)  
**Acquisition stage:** ongoing SF development contract

**18. Feasibility study for the rehabilitation of the Dărmănești - Vicșani - Frontieră railway line**

**Technical data:** The purpose of the feasibility study is to develop the necessary documentation for the rehabilitation of 34 km of c.f.

**Source of funding:** POIM 2014 - 2020

**SF value:** 4,2 mil lei (excluding VAT)  
**Acquisition stage:** ongoing SF development contract

**19. Feasibility study for the rehabilitation of the Pașcani - Dărmănești railway line**

**Technical data:** The purpose of the feasibility study is to develop the necessary documentation for the rehabilitation of 71 km line of c.f.

**Source of funding:** POIM 2014 - 2020

**SF value :** 8,40 mil lei (excluding VAT)  
**Acquisition stage:** ongoing SF development contract

**20. Feasibility study for the rehabilitation of the Focșani - Roman railway line**

**Technical data:** The purpose of the feasibility study is to develop the necessary documentation for the rehabilitation of 147 km of c.f.

**Source of funding:** POIM 2014 - 2020

**SF value:** 19,26 mil lei (excluding VAT)  
**Acquisition stage:** ongoing SF development contract

## **C.II Projects in the public procurement stage**

**1. Modernization of the Bucharest North - Jilava-Giurgiu North-Giurgiu North Border railway line, Lot 1: "Reopening of the railway traffic on the bridge over the Argeș river, between Vidra and Comana"**

**Technical data:** rehabilitation and new construction for 12 km of railway

**Source of funding:** POIM 2014 – 2020

**Estimated value**

**construction:** 458,56 mil lei (excluding VAT)

**Stage:** ongoing procurement procedure

### C.III Projects in preparation

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#### 1. Works in C.F. Fetești and Ciulnița, on the Bucharest - Constanța railway line

<b>Technical data:</b>	works remaining to be carried out within the stations c.f. Fetești and Ciulnița.
<b>Estimated value</b>	
<b>construction:</b>	298,70 mil lei (excluding VAT)
<b>Source of funding:</b>	POIM 2014 - 2020
<b>Acquisition stage:</b>	preparing the launch of the tender for the acquisition of the consultancy service and ensuring the supervision and the contracts for the design and execution of the works.

#### 2. Feasibility study for the electrification of the Rădulești - Giurgiu Nord railway line

<b>Technical data:</b>	The purpose of the feasibility study consists in the elaboration of the documentation, including the general estimate, according to the legislation in force necessary to start the electrification works of 57 km line of c.f.
<b>Source of funding:</b>	POIM 2014 - 2020
<b>Estimated value</b>	
<b>for SF elaboration:</b>	3,15 mil lei (excluding VAT)
<b>Acquisition stage:</b>	elaboration of specifications

#### 3. Feasibility study for electrification and rehabilitation of the Constanta-Mangalia railway line

<b>Technical data:</b>	The purpose of the feasibility study consists in the elaboration of the documentation, including the general estimate, according to the legislation in force, necessary to start the electrification works of 43 km line of c.f.
<b>Source of funding:</b>	POIM 2014 - 2020
<b>Estimated value</b>	
<b>for SF elaboration:</b>	12,02 mil lei (excluding VAT)
<b>Acquisition stage:</b>	elaboration of specifications