Risk map of the Russian Railways Group

External	
Category	Risk
Macroeconomic	 reduction in the volume of freight provided for transportation; risk of unplanned fluctuations in transportation volumes exceeding the carrying capacity of certain railway sections; deterioration in the structure of industrial and agricultural production; growth in prices for goods and services consumed by the Russian Railways Group as a result of inflation; decrease in the Company's income from passenger transportation due to a decline in the public's ability to pay; decline in investment and business activity.
Market	 decrease in the Russian Railways Group's share of highly profitable segments of the transportation market; growth in intra-industry and cross-industry competition; advanced development of alternative types of transportation, including through the accelerated introduction of innovations; establishment and full-scale operation of international corridors to bypass Russia; risk of the quality and range of services not complying with new customer requirements; lack of production capacity among product suppliers for the Russian Railways Group.
Financial Signature of the Control o	 credit risks; currency risks; interest risks; price risks as regards raw commodity and energy assets; risk of liquidity loss; downgrading of Russian Railways positions by international ratings agencies; financial implications from property and liability risks.
Human resource risks	 increased imbalances in the structure of the workforce represented on the market; deterioration in the positions of Russian Railways on the labour market; deterioration in the quality of the workforce; reduction in the working population in remote regions due to the urbanisation of society; risk of the diminished attractiveness of professions in the railway transportation industry.

External Category Risk Regulatory risks · continued strict government tariff regulation; · stricter environmental requirements; • stricter legislation (transportation, tax, etc.); • failure to fulfil the action plan to give the constituent entities of the Russian Federation 0000000 greater responsibility to compensate for falling income by suburban passenger companies. 0000000 lnnnnnnn • impact of international sanctions against the country's economy and activities of Russian **Political** Railways; · deterioration in intergovernmental relations; · local military operations. • accidents at facilities that support the work of the Russian Railways Group; Manmade, natural and climatic · manmade accidents on related types of transportation (primarily in seaport waters and on major highways); • fires or natural disasters in areas where the Russian Railways Group operates. • use of new energy resources and energy-saving modes on alternative types Scientific, technical of transportation; and technological • improving the carrying capacity of vehicles and vessels.

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Internal

Category

Production and technological



Risk

- lag in infrastructure development compared with the increase in freight and passenger transportation;
- disruptions in the organisation of freight delivery logistics schemes;
- disruptions to the plan for making up trains and the train traffic schedule;
- violations of traffic safety;
- diminished efficiency from the use of rolling stock;
- discrepancies in existing technological processes for organising transportation with the quality requirements for transportation products.

Technical and resource



- breach of the deadlines and conditions for supplies of material resources;
- risk of using substandard and incomplete information about consumers of the Russian Railways Group's services.



Investment



- incorrect substantiation and erroneous selection of new investment targets;
- diminished return on investment and failure to ensure planned profitability from invested funds;
- lack of clear guarantees for transportation volume from freight owners when implementing infrastructure investment projects;
- risk of the failure to meet the parameters of the projects implemented (exceeding the budget, failure to meet deadlines or failure to achieve the project objective).

Internal Category Risk threat of a disruption to the technological processes of the Russian Railways Group and signifi-Risks of structural reforms cant financial losses as a result; threat of the loss of financial sustainability and the risk of bankruptcy of S&A; decrease in the profitability of the Russian Railways Group due to the uncompensated spin-off of highly profitable S&A; • decline in asset value and capitalisation of the Russian Railways Group in the event of the ineffective work of S&A. HR • lack of compliance of the professional level of personnel with the requirements of the Russian Railways Group; risk of a further increase in the number of employees approaching retirement age; • outflow of highly skilled personnel due to insufficient motivation and the decreased competitiveness of salaries for employees of the Russian Railways Group compared with other industries; • violations of labour safety through the fault of personnel; risk of ineffective recruiting, placement and management of personnel; · violations of labour discipline; deterioration in the corporate culture of employees. reduced manageability of Russian Railways Group structures; Management · adoption of unsubstantiated management decisions; · failure to execute decisions by the required deadlines; failure to achieve target economic and production performance results of the Russian Railways Group.

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