

**THEFT: SECURE MATERIALS**

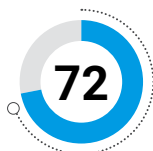
# KAZAKHSTAN

2020  
RANK  
**=12**

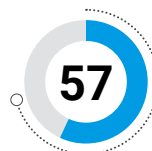
2020  
SCORE  
**69**

CHANGE  
SINCE 2018  
**+1**

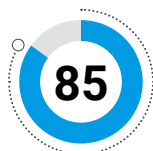
  
Quantities  
and Sites



  
Security and Control  
Measures



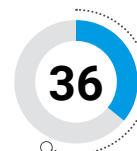
  
Global  
Norms




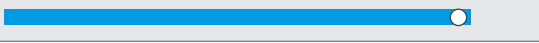




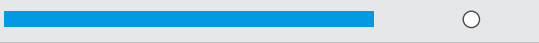
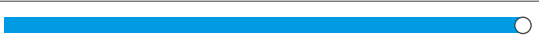







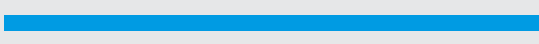
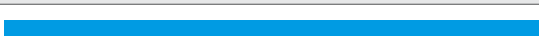














  
Domestic Commitments  
and Capacity



  
Risk  
Environment



● High Score ● Medium Score ● Low Score ○ Index Median

|   |  | 0  | 20 | 40 | 60 | 80 | 100 | 2020<br>Score | Change<br>since 2018 |
|---|--|--|----|----|----|----|-----|---------------|----------------------|
|    | <b>Quantities and Sites</b>              |    |    |    |    |    |     | <b>72</b>     | <b>0</b>             |
| ●   | Quantities of Nuclear Materials          |     |    |    |    |    |     | 38            | 0                    |
| ●   | Sites and Transportation                 |    |    |    |    |    |     | 88            | 0                    |
| ●   | Material Production/Elimination Trends   |    |    |    |    |    |     | 100           | 0                    |
|    | <b>Security and Control Measures</b>     |    |    |    |    |    |     | <b>57</b>     | <b>0</b>             |
| ●   | On-Site Physical Protection              |    |    |    |    |    |     | 80            | 0                    |
| ●   | Control and Accounting Procedures        |   |    |    |    |    |     | 70            | 0                    |
| ●   | Insider Threat Prevention                |   |    |    |    |    |     | 36            | 0                    |
| ●   | Physical Security During Transport       |  |    |    |    |    |     | 100           | 0                    |
| ●   | Response Capabilities                    |  |    |    |    |    |     | 63            | 0                    |
| ●   | Cybersecurity                            |   |    |    |    |    |     | 25            | 0                    |
| ●   | Security Culture                         |   |    |    |    |    |     | 25            | 0                    |
|  | <b>Global Norms</b>                      |  |    |    |    |    |     | <b>85</b>     | <b>0</b>             |
| ●   | International Legal Commitments          |  |    |    |    |    |     | 100           | 0                    |
| ●   | Voluntary Commitments                    |  |    |    |    |    |     | 100           | 0                    |
| ●   | International Assurances                 |   |    |    |    |    |     | 46            | 0                    |
| ●   | Nuclear Security INFCIRCs                |  |    |    |    |    |     | 100           | 0                    |
|  | <b>Domestic Commitments and Capacity</b> |  |    |    |    |    |     | <b>95</b>     | <b>0</b>             |
| ●   | UNSCR 1540 Implementation                |  |    |    |    |    |     | 80            | 0                    |
| ●   | Domestic Nuclear Security Legislation    |  |    |    |    |    |     | 100           | 0                    |
| ●   | Independent Regulatory Agency            |  |    |    |    |    |     | 100           | 0                    |
|  | <b>Risk Environment</b>                  |  |    |    |    |    |     | <b>36</b>     | <b>+6</b>            |
| ●   | Political Stability                      |  |    |    |    |    |     | 55            | 0                    |
| ●   | Effective Governance                     |  |    |    |    |    |     | 38            | +13                  |
| ●   | Pervasiveness of Corruption              |  |    |    |    |    |     | 25            | 0                    |
| ●   | Illicit Activities by Non-State Actors   |   |    |    |    |    |     | 25            | +10                  |

= denotes tie in rank

Scores are normalized (0–100, where 100 = most favorable nuclear security conditions)

**SABOTAGE: PROTECT FACILITIES**

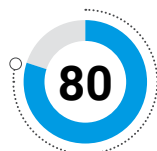
# KAZAKHSTAN

2020  
RANK  
**=25**

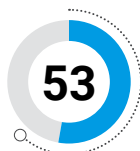
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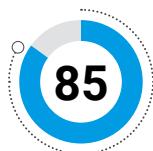
Number  
of Sites



Security and Control  
Measures



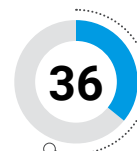
Global  
Norms



Domestic Commitments  
and Capacity



Risk  
Environment



● High Score ● Medium Score ● Low Score ○ Index Median

|  |  | 0 | 20 | 40 | 60 | 80 | 100 | 2020<br>Score | Change<br>since 2018 |
|--|--|---|----|----|----|----|-----|---------------|----------------------|
| <b>Number of Sites</b>                   |  |   |    |    |    |    |     | <b>80</b>     | <b>0</b>             |
| ● Number of Sites                        |  |   |    |    |    |    |     | 80            | 0                    |
| <b>Security and Control Measures</b>     |  |   |    |    |    |    |     | <b>53</b>     | <b>0</b>             |
| ● On-Site Physical Protection            |  |   |    |    |    |    |     | 80            | 0                    |
| ● Control and Accounting Procedures      |  |   |    |    |    |    |     | 88            | 0                    |
| ● Insider Threat Prevention              |  |   |    |    |    |    |     | 36            | 0                    |
| ● Response Capabilities                  |  |   |    |    |    |    |     | 63            | 0                    |
| ● Cybersecurity                          |  |   |    |    |    |    |     | 25            | 0                    |
| ● Security Culture                       |  |   |    |    |    |    |     | 25            | 0                    |
| <b>Global Norms</b>                      |  |   |    |    |    |    |     | <b>85</b>     | <b>0</b>             |
| ● International Legal Commitments        |  |   |    |    |    |    |     | 100           | 0                    |
| ● Voluntary Commitments                  |  |   |    |    |    |    |     | 100           | 0                    |
| ● International Assurances               |  |   |    |    |    |    |     | 44            | 0                    |
| ● Nuclear Security INFCIRCs              |  |   |    |    |    |    |     | 100           | 0                    |
| <b>Domestic Commitments and Capacity</b> |  |   |    |    |    |    |     | <b>100</b>    | <b>0</b>             |
| ● UNSCR 1540 Implementation              |  |   |    |    |    |    |     | 100           | 0                    |
| ● Domestic Nuclear Security Legislation  |  |   |    |    |    |    |     | 100           | 0                    |
| ● Independent Regulatory Agency          |  |   |    |    |    |    |     | 100           | 0                    |
| <b>Risk Environment</b>                  |  |   |    |    |    |    |     | <b>36</b>     | <b>+6</b>            |
| ● Political Stability                    |  |   |    |    |    |    |     | 55            | 0                    |
| ● Effective Governance                   |  |   |    |    |    |    |     | 38            | <b>+13</b>           |
| ● Pervasiveness of Corruption            |  |   |    |    |    |    |     | 25            | 0                    |
| ● Illicit Activities by Non-State Actors |  |   |    |    |    |    |     | 25            | <b>+10</b>           |

= denotes tie in rank

Scores are normalized (0–100, where 100 = most favorable nuclear security conditions)

**RADIOLOGICAL**

|  |  | Kazakhstan                                   |
|--|--|--|
| <b>NATIONAL MEASURES</b>   |  |  |
| Regulatory Oversight   | Does the country maintain a radioactive source regulatory oversight body?  | Yes  |
| Security Measures  | Are there regulations that require security measures to be in place to protect radioactive sources?  | Yes  |
| State Registry   | Does the state maintain a registry of radioactive sources?   | Yes  |
| Inspection Authority   | Does the state have authority to inspect facilities with radioactive sources?  | Yes  |
| Export Licenses  | Are there licensing requirements for exporting IAEA Category 1 sources?  | Yes  |
| <b>GLOBAL NORMS</b>  |  |  |
| IAEA Code of Conduct Status                                      | Has the state made a political commitment and notified the IAEA of their intent to abide by the Code of Conduct on the Safety and Security of Radioactive Sources?     | Yes  |
|  | Has the state notified the IAEA of their intent to abide by the Guidance on the Import and Export of Radioactive Sources?  | Yes  |
|  | Has the state nominated a Point of Contact to facilitate imports and exports of radioactive source material?   | Yes  |
|  | Has the state made available their responses to the IAEA Importing and Exporting States Questionnaire?   | No   |
|  | Has the state notified the IAEA of their commitment to implement the Guidance on the Management of Disused Radioactive Sources?  | No   |
| International Participation                                      | Does the state participate in the Global Initiative to Combat Nuclear Terrorism (GICNT)?   | Yes  |
|  | Did the state send an official delegation to the 2018 International Conference on the Security of Radioactive Material?  | Yes  |
| International Conventions  | Is the country a state party to the International Convention for the Suppression of Acts of Nuclear Terrorism (ICSANT)?  | Yes  |
|  | Is the country a state party to the Joint Convention on the Safety of Spent Fuel Management and on the Safety of Radioactive Waste Management?                         | Yes  |
|  | Is the country a state party to the Convention on Assistance in the Case of Nuclear Accident or Radiological Emergency?  | Yes  |
| <b>COMMITMENT AND CAPACITY TO ADOPT ALTERNATIVE TECHNOLOGIES</b> |  |  |
| Intent   | Has the state subscribed to INFCIRC/910?   | Yes  |
| Implementation   | Has the country publicly declared a regulatory requirement, policy, or commitment to implementing alternative technology to replace high-activity radioactive sources? | No or no data available                      |
| Capacity   | What is the average percentage of businesses experiencing power outages each month?  | Infrequent power outages (0–19th percentile) |
|  | What percentage of the population over 25 holds a tertiary degree or higher?   | 40th–59th percentile                         |
| <b>RISK ENVIRONMENT</b>  |  |  |
| Political Stability  | What is the risk of significant social unrest during the next two years?   | Moderate                                     |
|  | How clear, established, and accepted are constitutional mechanisms for the orderly transfer of power from one government to another?                                   | Not clear, established, or accepted          |
|  | Is there a risk that international disputes/tensions will negatively affect the polity during the next two years?  | Moderate                                     |
|  | Is this country presently subject to armed conflict, or is there at least a moderate risk of such conflict during the next two years?                                  | No armed conflict exists                     |
|  | Are violent demonstrations or violent civil/labor unrest likely to occur during the next two years?  | Low  |
| Effective Governance   | How effective is the country's political system in formulating and executing policy?   | Moderate                                     |
|  | What is the quality of the country's bureaucracy and its ability to carry out government policy?   | Low  |
| Pervasiveness of Corruption                                      | How pervasive is corruption among public officials?  | High   |
| Illicit Activities by Non-State Actors                           | How likely is it that domestic or foreign terrorists will attack with a frequency or severity that causes substantial disruption to business operations?               | Moderate                                     |
|  | How likely is organized crime to be a problem for government and/or business?  | Moderate                                     |
|  | How many firearms were seized during the interdiction of illicit weapons trafficking?  | High   |