

Codebook for Radiological Trade Controls State Level Database
Updated on 17 February 2021 v2.0

Variable 001

Variable Name: State Name

Variable Description: UN Member State Names

Value Type: Alpha

Variable Values and Labels: e.g., Afghanistan Zimbabwe

Source: <https://unstats.un.org/unsd/methodology/m49/>

Special Coding Rules: N/A

Variable 002

Variable Name: State Code

Variable Description: UN Member State M49 ISO codes

Value Type: Numeric

Variable Values and Labels: 4-894

Source: <https://unstats.un.org/unsd/methodology/m49/>

Special Coding Rules: N/A

Variable 003*

Variable Name: Rad Trade Control (TC) Body

Variable Description: Has one or more measures that establishes or refers to one or more government bodies that exercise regulatory jurisdiction controls on trade in radioactive sources

Values: Alpha

Variable Values and Labels: 0 = has no bodies; 1 = has bodies

Source(s): Measure(s)

Special Coding Rules: The regulatory bodies need not be a specialized nuclear regulatory authority.

Variable 004

Variable Name: Rad TC Bodies Names

Variable Description: The name(s) of the government bodies in the measure that exercise regulatory jurisdiction controls on trade in radioactive sources over

Values: Alpha

Variable Values and Labels:

Source(s): Measure

Special Coding Rules: The regulatory bodies need not be a specialized nuclear regulatory authority. If the measure lists a regulatory body within a Ministry or higher bureaucratic body, link to the agency, not the higher body. Include a URL to each body in parentheses or list "URL unavailable" or "URL under construction." Don't name a specific entity? Enter "Uncertain"

Variable 005*

Variable Name: Export Authorization Category 1

Variable Description: Has one or more measures that creates specific licensing requirements for exporting IAEA Category 1 sources

Value Type: Numeric

Variable Values and Labels: 1 = Has requirements; 0 = No requirements

Source(s): Measure

Special Coding Rules: 1 = If the measure creates any trade authorization requirements on stakeholders, even if relatively general; 0 = No trade authorization requirements on stakeholders

Variable 006*

Variable Name: Other Export Authorization(s)

Variable Description: Has one or more measures that requires an authorization or licensing to export rad sources other than just Category 1 sources

Value Type: Numeric

Variable Values and Labels: 1 = Has requirements; 0 = No requirements

Source(s): Measure

Special Coding Rules: N/A

Variable 007*

Variable Name: Notify Importing State

Variable Description: Has one or more measures that creates obligations to notify the State importing radioactive sources from their State

Value Type: Numeric

Variable Values and Labels: 1 = Requires notification; 0 = No requirements

Source(s): Measure

Special Coding Rules: N/A

Variable 008*

Variable Name: Exceptions to Authorization

Variable Description: Has one or more measures that establishes exceptions beyond exigent circumstances for export authorizations

Value Type: Numeric

Variable Values and Labels: 1 = Has exceptions; 0 = No exceptions

Source(s): Measure

Special Coding Rules: Exceptions must exist other than those for extraordinary circumstances.

Variable 009*

Variable Name: Import Authorization

Variable Description: Has one or more measures that requires authorization for the import of radioactive sources

Value Type: Numeric

Variable Values and Labels: 1 = Requires authorization; 0 = No requirement

Source(s): Measure

Special Coding Rules: N/A

Variable 010*

Variable Name: Transit Controls

Variable Description: Has one or more measures that controls transit of radioactive sources

Value Type: Numeric

Variable Values and Labels: 1 = Establishes controls; 0 = No controls

Source(s): Measure

Special Coding Rules: Goods in a vessel stay in that vessel and never enter the economy of a country (or enter the country's customs jurisdiction) are considered in transit.

Variable 011*

Variable Name: Transshipment Controls

Variable Description: Has one or more measures that controls transshipment of radioactive sources

Value Type: Numeric

Variable Values and Labels: 1 = Establishes controls; 0 = No controls

Source(s): Measure

Special Coding Rules: Goods in a vessel that are placed in a new vessel and may or may not enter a country's economy are considered transshipments.

Variable 012*

Variable Name: Re-Export Controls

Variable Description: Has one or more measures that controls re-export of radioactive sources

Value Type: Numeric

Variable Values and Labels: 1 = Establishes controls; 0 = No controls

Source(s): Measure

Special Coding Rules: N/A

Variable 013*

Variable Name: List of Types of Controlled Sources

Variable Description: Has one or more measures that establishes, contains or refers to a list of types of controlled radioactive sources

Value Type: Numeric

Variable Values and Labels: 1 = Establishes, contains or refers to a list; 0 = No list

Source(s): Measure

Special Coding Rules: N/A

Variable 014*

Variable Name: Offences or Violations

Variable Description: Has one or more measures that define offences or violations (i.e. criminal or intentional unauthorized acts)

Value Type: Numeric

Variable Values and Labels: 1 = has offences; 0 = has no offenses

Source(s): Measure

Special Coding Rules: N/A

Variable 015*

Variable Name: Prison

Variable Description: Has a measure that includes prison terms for offences or violations (i.e. criminal or intentional unauthorized acts)

Value Type: Numeric

Variable Values and Labels: 1 = has a measure that includes prison terms; 0 = has no such measure

Source(s): Measure

Special Coding Rules: N/A

Variable 016

Variable Name: Maximum Prison Sentence

Variable Description: Maximum prison term for offences or violations (i.e. criminal or intentional unauthorized acts).

Value Type: Numeric

Variable Values and Labels: N/A

Source(s): Measure

Special Coding Rules: N/A

Variable 017

Variable Name: Maximum-Minimum Prison Sentence

Variable Description: Maximum minimum prison term for offences or violations (i.e. criminal or intentional unauthorized acts).

Value Type: Numeric

Variable Values and Labels: N/A

Source(s): Measure

Special Coding Rules: N/A

Variable 018*

Variable Name: Fines

Variable Description: Has one or more measures that includes fines for offences or violations (i.e. criminal or intentional unauthorized acts)

Value Type: Numeric

Variable Values and Labels: 1 = Has one or more measures that has offences; 0 = has no offenses

Source(s): Measure

Special Coding Rules:

Variable 019

Variable Name: Maximum Fine

Variable Description: Maximum fine for offences or violations (i.e. criminal or intentional unauthorized acts) in local currency.

Value Type: Numeric

Variable Values and Labels: N/A

Source(s): Measure

Special Coding Rules: N/A

Variable 020

Variable Name: Maximum-Minimum Fine

Variable Description: Maximum minimum fine for offences or violations (i.e. criminal or intentional unauthorized acts) in local currency.

Value Type: Numeric

Variable Values and Labels: N/A

Source(s): Measure

Special Coding Rules: N/A

Variable 021

Variable Name: Maximum Fine USD

Variable Description: Maximum fine for offences or violations (i.e. criminal or intentional unauthorized acts) in US Dollars.

Value Type: Numeric

Variable Values and Labels: N/A

Source(s): Measure

Special Coding Rules: N/A

Variable 022

Variable Name: Maximum-Minimum Fine USD

Variable Description: Maximum minimum fine for offences or violations (i.e. criminal or intentional unauthorized acts) in US Dollars.

Value Type: Numeric

Variable Values and Labels: N/A

Source(s): Measure

Special Coding Rules: N/A

Variable 023*

Variable Name: Other Penalties

Variable Description: Has one or more measures that Penalties other than imprisonment, fines, licensing, warning, or corrective action identified in other variables

Value Type:

Variable Values and Labels: 1 = Has one or more measures that has other penalties; 0 = does not have other penalties

Source(s): Measure

Special Coding Rules: Include a note in the comment variable on the type of penalties. E.g., license revocation, seizures, but we might want to keep track

Variable 024*

Variable Name: Enforcement Bodies

Variable Description: Has one or more measures that refers to or establishes one or more government bodies in the measure that exercise jurisdiction over offenses and violations

Values: Numeric

Variable Values and Labels: 0 = has no bodies; 1 = has bodies

Source(s): Measure

Special Coding Rules: The regulatory bodies need not be a specialized nuclear regulatory authority.

Variable 025

Variable Name: Enforcement Body Rad Names

Variable Description: The name(s) of the government bodies that exercise regulatory jurisdiction controls on trade in radioactive sources

Values: Alpha

Variable Values and Labels: N/A

Source(s): Measure

Special Coding Rules: The regulatory bodies need not be a specialized nuclear regulatory authority. If the measure lists a regulatory body within a Ministry or higher bureaucratic body, link to the agency, not the higher body. Include a URL to each body in parentheses or list "URL unavailable" or "URL under construction." Don't name a specific entity? Enter "Uncertain"

Variable 026*

Variable Name: Training for Stakeholders

Variable Description: Has one or more measures that Does the measure establish or maintain a training program for stakeholders, e.g., users, industry, other government ministries (from Code of Conduct)

Value Type: Numeric

Variable Values and Labels: 1 = Has a training program; 0 = Does not have a training program

Source(s): Measure

Special Coding Rules: N/A

Variable 027*

Variable Name: Awareness Raising for Stakeholders

Variable Description: Has one or more measures that Does the measure establish or maintain awareness raising for stakeholders, e.g., users, industry (from Code of Conduct)

Value Type: Numeric

Variable Values and Labels: 1 = Has an awareness raising program; 0 = Does not have an outreach program

Source(s): Measure

Special Coding Rules: includes general education on import and export of radioactive sources

Variable 028*

Variable Name: Awareness Raising for the Public

Variable Description: Has one or more measures that Does the measure establish or maintain awareness raising for the general public (from *Code of Conduct*)

Value Type: Numeric

Variable Values and Labels: 1 = Has an awareness raising program; 0 = Does not have an outreach program

Source(s): Measure

Special Coding Rules: includes general education on import and export of radioactive sources

Variable 029

Variable Name: Rad TC State Composite Index

Variable Description: A composite index of national radiological trade control indicators that ranges from 0 (no radiological trade control indicators compatible with *IAEA Guidance*) to 18 (has radiological trade control measure(s) that include all 18 radiological trade control indicators).

Value Type: Numeric

Variable Values and Labels: Ranges from 0 to 18

Source(s): Determined by coders at The Henry L. Stimson Center. Index scores are based upon the number of '1' values indicated in the following variables:

- 003 Rad Trade Control Body
- 005 Export Authorization Category 1
- 006 Other Export Authorization(s)
- 007 Notify Importing State
- 008 Exceptions to Authorizations
- 009 Import Authorization
- 010 Transit Controls
- 011 Transshipment Controls
- 012 Re-Export Controls
- 013 List of Types of Controlled Sources
- 014 Offences of Violations
- 015 Prison
- 018 Fines
- 023 Other Penalties
- 024 Enforcement Bodies
- 026 Training for Stakeholders
- 027 Awareness Raising for Stakeholders
- 028 Awareness Raising for Public

Special Coding Rules: N/A