**Codebook for Radiological Trade Controls State Level Database**

**25 July 2019 v1.0**

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:

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:

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:

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:

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:

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:

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:

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:

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:

Variable 016 – Max prison

Variable 017 – Max-Min prison

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 – Max fine

Variable 020 – Max-Min fine

Variable 021 – Max fine USD

Variable 022 – Max-Min fine USD

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:

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:

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 045

Variable Name: Comment

Variable Description: Space for comments by the coder

Value Type: Alpha

Variable Values and Labels:

Source(s): Coder

Special Coding Rules:

Variable 029

Variable Name: Rad TC State Composite Index

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: 1-18

Source(s): Coder

Special Coding Rules: Composite Index = Var3 + Vars5-15 + Var18 + Vars23-24 + Vars26-28