

Global Trade Content HS Extract Overview

Understanding HS Extracts

Table of Contents

This guide documents the structure, content, and relationships of Thomson Reuters™ HS Content Extracts. Use the following table to navigate to specific extract documentation.

Section	Description
HS Description UOM Extract	Foundational tariff classification data including HS Numbers, descriptions in multiple languages, and reporting units of measure
Country Group Code Extract	Country group memberships and allowable/restricted flags for preferential rate programs and trade agreements
Charges Extract	Comprehensive list of all potential charges including duty rates, preferential rates, VAT, GST, excise, and country-specific charges that may apply based on HS number, country of origin, and country of destination
Related Controls Extract	Import and export controls and restrictions that apply to products based on HS number, country of origin, and country of destination
Rulings Extract	Binding rulings issued by countries for product classification, origin determination, and valuation
Additional Codes Extract	Country-specific and regional additional codes that provide more detailed product classification
Tariff Changes Manager Extract	Historical tariff changes and HS number transitions for tracking classification updates
Appendix A: Extract Relationships and Mappings	Cross-extract field mappings showing how to link data between HS Description UOM, Country Group Code, and Charges extracts

[Appendix B: Formula Type Code Reference](#)

Complete reference of all 30 active formula types used to calculate charge rates

[Appendix C: Parent/Child Tariff Schedule Reference](#)

Documentation of parent and child tariff schedule relationships and inheritance patterns

HS Description UOM Extract

The HS Description UOM extract provides the foundational data for harmonized tariff classification. This extract contains Harmonized Schedule (HS) Numbers, product descriptions in English and the native language of each country, and the reporting units of measure associated with each HS number in a specific tariff schedule.

Extract Name: HS_Desc_UOM

Primary Use Cases

- Assist with product classification to determine the fully qualified HS number
- Validate whether an HS number is active and customs-declarable for a specific tariff schedule
- Identify the reporting unit of measure that must be declared to customs based on the HS number

Core Data Elements

The HS Description UOM extract contains the following key fields:

Field Name	Data Type	Definition	Key Characteristics
TariffID	Unique Identifier	Series of characters that uniquely identifies a tariff schedule	References HS Description UOM extract; can represent an individual country tariff or a country group tariff
TariffSchedule	Varchar(50)	Official name of the tariff schedule	Examples: US HTS, EU TARIC, Canada HS
CountryCode	Varchar(2)	Two-digit ISO country code that the tariff applies to	Used when tariff represents an individual country schedule; references Country Group Code extract
EffDate	Datetime	Effective date when the tariff schedule went into effect	Tariff schedule is active from this date forward
ExpDate	Datetime	Expiration date when the tariff schedule expires	May be null for active schedules with no known end date. A date of 1/1/1900 indicates no expiration date

HSNumber	Nvarchar(50)	The Harmonized Schedule classification number	Can be at heading, subheading, or fully qualified level
FullyQualified	Varchar(1)	Indicates whether the HS number is customs-declarable	Y = fully qualified and customs-declarable; N = partial tariff number (header/subheading level only)
SortOrder	Int	Logical reading order for descriptive text	HS Numbers can have multiple descriptions with different sort orders
CultureCode	Varchar(3)	Three-digit ISO culture code indicating the language of the description	Examples: ENG (English), FRA (French), DEU (German); multiple records for multiple languages
Description	Nvarchar(max)	Product description in the language specified by CultureCode	Can be lengthy; multiple descriptions possible per HS number in different languages
UOM1	Nvarchar(100)	Primary unit of measure for reporting to customs	Examples: KG (kilogram), L (liter), M (meter), UN (unit/piece)
UOM2	Nvarchar(100)	Secondary unit of measure (optional)	Used when dual reporting requirements exist
UOM3	Nvarchar(100)	Tertiary unit of measure (optional)	Used when triple reporting requirements exist

Understanding Tariff Schedules

Individual Country Tariffs

When a tariff schedule represents an individual country, the TariffID will contain the two-digit ISO country code. Examples include Canada (CA), United States (US), Switzerland (CH).

Country Group Tariffs

Tariff schedules can also represent groups of countries operating under a common tariff framework. These use Thomson Reuters™-created country group codes rather than ISO country codes. Examples include:

- EUG (European Union) — Integrated Tariff of European Community - TARIC
- EAEU (Eurasian Economic Union) — Armenia, Belarus, Kazakhstan, Kyrgyzstan, Russian Federation
- ECOWAS (Economic Community of West African States) — Benin, Burkina Faso, Liberia, Gambia, Ghana, Guinea, Guinea-Bissau, Ivory Coast, Mali, Niger, Nigeria, Senegal, Sierra Leone, Togo
- SACU (Southern African Customs Union) — Botswana, Eswatini, Lesotho, Namibia, South Africa
- EAC (East African Community Common External Tariff) — Burundi, Kenya, Rwanda, South Sudan, Tanzania, Uganda, Democratic Republic of the Congo (DRC), Somalia
- WCO (Global HS) — The World Customs Organization global harmonized system baseline

Parent and Child Tariff Relationships

Some tariff schedules have a parent and child relationship, where child countries inherit regulatory content from their parent tariff schedule. For example, France is a child of the European Union tariff and inherits all HS descriptions, classifications, and content maintained at the EU level through the parent schedule.

For a complete understanding of parent/child tariff schedule relationships across all tariffs, see [Appendix C: Parent/Child Tariff Schedule Reference](#).

Data Freshness and Updates

Your initial HS Description UOM extract contains only active content — HS Numbers and descriptions that are currently valid for customs declaration in the specified tariff schedules.

Each day, the content extractor provides incremental updates to reflect changes in active tariff content. Daily updates may include additions, modifications, and expirations.

Types of Changes in Daily Updates

Changes to HS Number

- New HS added — a new tariff classification number becomes active
- HS expired — an existing HS number is no longer valid for declaration
- Future instance of HS number added — a new HS number is scheduled to become active on a future date

Changes to HS Description

- New description added — additional descriptive text is added for an HS number
- New translation added — a description is provided in a new language (new CultureCode)
- New layer added — additional sort order added for existing description
- Layer removed — a sort order is removed from an existing description
- Description text changed — the text of an existing description is modified

Changes to HS Unit of Measure

- New UOM added — a new unit of measure (UOM1, UOM2, or UOM3) is assigned to an HS number
- UOM removed — an existing unit of measure is removed
- UOM changed — the text or value of a unit of measure is modified

Important Data Characteristics

Understanding the structure of HS Description UOM data will help you effectively implement and maintain this extract:

- An HS number is uniquely identified by the combination of TariffID, EffDate, ExpDate, and HSNumber
- An HS number can have multiple descriptions due to different SortOrders (reading layers) or CultureCodes (languages)
- The FullyQualified field is critical — only HS Numbers marked as 'Y' can be declared to customs; 'N' indicates a partial or header-level classification
- Units of measure reflect only primary UOM values; aliases or alternative measures are not included in this extract
- CultureCode uses three-digit ISO language codes, allowing the same HS number to have descriptions in multiple languages
- When an HS number is updated with a new EffDate but the same effective date as an existing version, both the expired and active versions will be sent — your system should remove the old record and replace it with the new one

Extract Example:

TariffID	TariffSchedule	CountryCode	EffDate	ExpDate	HSNumber	FullyQualified	SortOrder	CultureCode	Description	UOM1	UOM2	UOM3
5679186-0c	US HTS	USG	03/02/2012	01/01/1900	01022920	N	1	ENG	Cows imported specially for dairy purposes			
5679186-0c	US HTS	USG	01/01/2016	01/01/1900	0102294038	Y	2	ENG	Female	NO	KG	
5679186-0c	US HTS	USG	01/01/2016	01/01/1900	0102294038	Y	1	ENG	Weighing 90	NO	KG	
5679186-0c	US HTS	USG	01/01/2016	01/01/1900	0102294072	Y	1	ENG	Weighing 32	NO	KG	
5679186-0c	US HTS	USG	01/01/2016	01/01/1900	0102294028	Y	2	ENG	Female	NO	KG	
5679186-0c	US HTS	USG	01/01/2016	01/01/1900	0102294074	Y	1	ENG	Weighing 32	NO	KG	
5679186-0c	US HTS	USG	03/02/2012	01/01/1900	040140	N	1	ENG	Of a fat content, by weight, exceeding 6 percent but not exceeding 10 percent.			
5679186-0c	US HTS	USG	01/01/2016	01/01/1900	0102294062	Y	2	ENG	For immediate	NO	KG	
5679186-0c	US HTS	USG	01/01/2016	01/01/1900	0102294062	Y	1	ENG	Weighing 32	NO	KG	
5679186-0c	US HTS	USG	03/02/2012	01/01/1900	0102210030	Y	2	ENG	Male	NO	KG	
5679186-0c	US HTS	USG	01/01/2016	01/01/1900	0102294082	Y	1	ENG	Weighing 32	NO	KG	
5679186-0c	US HTS	USG	01/01/2016	01/01/1900	0102294082	Y	2	ENG	Other:	NO	KG	
5679186-0c	US HTS	USG	03/02/2012	01/01/1900	0102210030	Y	1	ENG	Other:	NO	KG	
5679186-0c	US HTS	USG	01/01/2016	01/01/1900	0102294054	Y	1	ENG	Weighing 20	NO	KG	
5679186-0c	US HTS	USG	03/02/2012	01/01/1900	0102292012	Y	1	ENG	Weighing 90	NO	KG	
5679186-0c	US HTS	USG	01/01/2016	01/01/1900	0102294062	Y	3	ENG	Steers	NO	KG	
5679186-0c	US HTS	USG	01/01/2016	01/01/1900	0102294074	Y	3	ENG	Female	NO	KG	
5679186-0c	US HTS	USG	01/01/2016	01/01/1900	0102294074	Y	2	ENG	For breeding	NO	KG	
5679186-0c	US HTS	USG	01/01/2016	01/01/1900	0102294072	Y	2	ENG	For breeding	NO	KG	
5679186-0c	US HTS	USG	01/01/2016	01/01/1900	0102294072	Y	3	ENG	Male	NO	KG	
5679186-0c	US HTS	USG	01/01/2016	01/01/1900	0102294084	Y	3	ENG	Female	NO	KG	
5679186-0c	US HTS	USG	01/01/2016	01/01/1900	0102294084	Y	1	ENG	Weighing 32	NO	KG	
5679186-0c	US HTS	USG	01/01/2016	01/01/1900	0102294084	Y	2	ENG	Other:	NO	KG	

Individual Country Tariffs: The screenshot below illustrates a sample extract output and highlights the key information available to users.

A	B	C	D	E	F	G	H	I	J	K	L	M
TariffID	TariffSchedule	CountryCode	EffDate	ExpDate	HSNumber	FullyQualified	SortOrder	CultureCode	Description	UOM1	UOM2	UOM3
1	37daaa5b-2f	Integrated Tariff	EUG	01/01/2012	01/01/1900	0102296990	Y	1	HUN	Más	KG	NAR
3	37daaa5b-2f	Integrated Tariff	EUG	01/01/2012	01/01/1900	0102296990	Y	1	BUL	Други	KG	NAR
4	37daaa5b-2f	Integrated Tariff	EUG	01/01/2012	01/01/1900	0102296990	Y	1	EST	Muud	KG	NAR
5	37daaa5b-2f	Integrated Tariff	EUG	01/01/2012	01/01/1900	0102296990	Y	1	FRE	autres	KG	NAR
6	37daaa5b-2f	Integrated Tariff	EUG	01/01/2012	01/01/1900	0102296990	Y	1	DAN	I andre tilfælde	KG	NAR
7	37daaa5b-2f	Integrated Tariff	EUG	01/01/2012	01/01/1900	0102296990	Y	1	ITA	altre	KG	NAR
8	37daaa5b-2f	Integrated Tariff	EUG	01/01/2012	01/01/1900	0102296990	Y	1	SLO	Ostatné	KG	NAR
9	37daaa5b-2f	Integrated Tariff	EUG	01/01/2012	01/01/1900	0102296990	Y	1	ENG	Other	KG	NAR
10	37daaa5b-2f	Integrated Tariff	EUG	01/01/2012	01/01/1900	0102296990	Y	1	SPA	Las demás	KG	NAR
11	37daaa5b-2f	Integrated Tariff	EUG	01/01/2012	01/01/1900	0102296990	Y	1	SLV	Drugo	KG	NAR
12	37daaa5b-2f	Integrated Tariff	EUG	01/01/2012	01/01/1900	0102296990	Y	1	LAV	Citādi	KG	NAR
13	37daaa5b-2f	Integrated Tariff	EUG	01/01/2012	01/01/1900	0102296990	Y	1	GRE	Άλλες	KG	NAR
14	37daaa5b-2f	Integrated Tariff	EUG	01/01/2012	01/01/1900	01022969	N	1	SWE	Andra :		
15	37daaa5b-2f	Integrated Tariff	EUG	01/01/2012	01/01/1900	01022969	N	1	GER	andere :		
16	37daaa5b-2f	Integrated Tariff	EUG	01/01/2012	01/01/1900	01022969	N	1	SLO	Ostatné :		
17	37daaa5b-2f	Integrated Tariff	EUG	01/01/2012	01/01/1900	01022969	N	1	GRE	Άλλες :		
18	37daaa5b-2f	Integrated Tariff	EUG	01/01/2012	01/01/1900	01022969	N	1	CZE	Ostatní :		
19	37daaa5b-2f	Integrated Tariff	EUG	01/01/2012	01/01/1900	01022969	N	1	ITA	altre :		
20	37daaa5b-2f	Integrated Tariff	EUG	01/01/2012	01/01/1900	01022969	N	1	FRE	autres :		
21	37daaa5b-2f	Integrated Tariff	EUG	01/01/2012	01/01/1900	01022969	N	1	SLV	druge :		

Country Group Tariffs: The screenshot below illustrates a sample extract output and highlights the key information available to users.

Country Group Code Extract

The Country Group Code extract defines which countries are members of specific country groups and indicates whether those countries are allowable or restricted within the context of preferential rate programs, tariff schedules, and trade controls. Each record maps a CountryGroupCode to one or more individual countries and identifies whether a country is included or excluded from the group.

Extract Name: CountryGroupCode

Primary Use Cases

- Used with HS Charges extract to determine which countries are eligible for preferential duty rates under Free Trade Agreements (FTAs) and other trade preference programs.
- Used with HS Description and UOM extract to identify countries that belong to regional or common tariff schedules (e.g., European Union, EAC, SACU, ECOWAS, EAEU).
- Used with Related Controls to determine which countries are subject to specific import or export controls, restrictions, or regulatory requirements.
- Used with Additional Codes to identify the countries or country groups for which an additional code requirement applies.
- Used with Commercial Documents to determine when a document requirement applies to a specific country group rather than an individual country.
- Enables users to expand a country group reference into its individual member countries for downstream compliance, reporting, screening, and customs declaration processes.

Core Data Elements

The Country Group Code extract contains three fields:

Field Name	Data Type	Definition	Key Characteristics
CountryGroupCode	Varchar(20)	Code associated to a group of countries	2-digit ISO country code for individual countries; 3+ digit code for country groups (created by content team)
CountryCode	Varchar(3)	Country code of a country within a country group	3-digit ISO country code representing a specific country member of the group

Allowable	Varchar(1)	Y or N — indicates whether a country is allowable or restricted within the context of a given CountryGroupCode	Determines inclusion or exclusion logic for preferential rates and trade agreements
-----------	------------	--	---

Understanding Country Group Codes

The CountryGroupCode field can represent either an individual country or a grouping of countries:

Individual Country Codes

When CountryGroupCode is a 2-digit ISO country code (e.g., FR for France, DE for Germany, US for United States), it represents a single country's tariff or rate schedule.

Country Group Codes

When CountryGroupCode is a 3+ digit code (e.g., EUG for European Union, USCOLONE for US Column 1 rate), it represents a group of countries operating under a common framework or preferential rate program. These codes are created and maintained by Thomson Reuters™ content team.

When a Country Group Is Not in the Extract

If a CountryGroupCode referenced in another extract (such as Charges, Related Controls, or Additional Codes) is NOT present in the Country Group Code extract, this means the country group applies to ALL countries with no restrictions or exclusions. There are no specific country inclusions or exclusions defined for that group.

Understanding the Allowable Flag

The Allowable flag determines how countries are included or excluded from a country group. The interpretation depends on the values in the extract:

Allowable = N (Exclusion Logic)

Interpretation: All countries except Belarus (BY), Cuba (CU), North Korea (KP), and Russia (RU) are allowed to use USCOLONE main duty rates. These four countries are restricted from using this rate structure.

CountryGroupCode	Allowable	CountryCode
USCOLONE	N	BY
USCOLONE	N	CU
USCOLONE	N	KP
USCOLONE	N	RU

Allowable = Y (Inclusion Logic)

Interpretation: Only Belarus (BY), Cuba (CU), North Korea (KP), and Russia (RU) are allowed to use USCOLTWO main duty rates. All other countries cannot use this rate structure.

CountryGroupCode	Allowable	CountryCode
------------------	-----------	-------------

USCOLTWO	Y	BY
USCOLTWO	Y	CU
USCOLTWO	Y	KP
USCOLTWO	Y	RU

Important Operational Characteristics

The following characteristics are important for implementing and maintaining Country Group Code data:

- Your initial extract contains only active country group memberships
- If there are no countries associated with a CountryGroupCode, that code will not appear in the extract (meaning it applies to all countries or is not currently active)
- If a country group code is updated, all countries in that group will be sent in the daily update, not just the changed records
- When you receive a country group code record with Allowable = Y, verify that you have all countries in the list — missing countries should be treated as restricted
- Country group codes should be treated as reusable reference data. Multiple extract types, including Charges, Related Controls, Additional Codes, and Commercial Documents, may reference the same CountryGroupCode. Maintaining a centralized country-group mapping simplifies downstream processing.
- Country group membership can change over time. Systems should not assume that the composition of a country group remains static and should process updates whenever a revised CountryGroupCode is received.
- Country groups may represent regions, customs unions, trade agreements, or tariff groupings. Examples include EUG1 (European Union), SACU1, EAC1, ECOWAS1, and EAEU1.
- CountryGroupCodes should be resolved before interpreting dependent content. When a Charges, Controls, Additional Code, or Commercial Document record references a CountryGroupCode, the applicable countries should be determined from the CountryGroupCodes extract.

Types of Changes in Daily Updates

Each day, the content extractor provides updates reflecting changes to country group memberships and restrictions:

- New Country Group added — a new country group code is created
- New country added to group — a country is added to an existing country group
- Country removed from group — a country is removed from an existing country group
- Allowable Flag changed — the Allowable status (Y or N) changes for a country within a group

Important: Any update to a CountryGroupCode should be treated as a potential change to the entire group membership. Systems should replace or reconcile the complete set of countries received for that CountryGroupCode rather than assuming that only the modified country record has changed. This is because updates are delivered as a full group refresh.

	A	B	C
1	CountryGroupCode	CountryCode	Allowable
2	PR	PR	Y
3	USHTSP+	CR	Y
4	USHTSP+	DO	Y
5	USHTSP+	GT	Y
6	USHTSP+	HN	Y
7	USHTSP+	NI	Y
8	USHTSP+	SV	Y
9	USG	PR	Y
10	USG	US	Y
11	USCOLTWO	BY	Y
12	USCOLTWO	CU	Y
13	USCOLTWO	KP	Y
14	USCOLTWO	RU	Y
15	USHTSAU	AU	Y
16	USHTSPA	PA	Y
17	USCOLONE	BY	N
18	USCOLONE	CU	N
19	USCOLONE	KP	N
20	USCOLONE	RU	N
21	USHTSE	AG	Y
22	USHTSE	AN	Y

Extract Example: The screenshot below illustrates a sample extract output and highlights the key information available to users.

Charges Extract

The Charges extract provides a comprehensive list of all potential charges that may apply to a tariff classification based on the tariff schedule, country of origin, country of destination, and other regulatory factors. This extract contains duty rates, preferential rates, VAT, GST, excise charges, antidumping duties, countervailing duties, and country-specific charges. It also includes the information necessary to identify how individual charges are applied to a given HS classification. Multiple charges may apply to a single HS classification, and the extract is designed to provide all applicable charge types maintained for that tariff schedule.

Extract Name: Charges (Also available as ChargesModified)

Primary Use Cases

- View all charges that could apply based on HS Number, country of origin, and country of destination
- Determine applicable duty rates (main, preferential, ADD/CVD) for a specific product and trade lane
- Identify opportunities to lower main duty rate by using preferential duty rates
- View charges in formatted version (e.g., 9%) or broken down into component values (e.g., .09)
- Access product descriptions that apply to country-level charges (e.g., excise charges)
- Flag whether ADD/CVD (Antidumping/Countervailing Duty) could apply for a specific trade scenario
- Monitor duty and tax changes over time using charge effective and expiration dates.
- Validate trade agreement eligibility by comparing standard duty rates against available preferential duty rates.

- Identify all government-imposed charges associated with an HS classification, including customs duties, taxes, and trade remedy measures.
- Determine which charge types are applicable to a product classification within a specific tariff schedule.

Primary Keys

A unique charge record is identified by the combination of:

TariffID + ChargeID uniquely identifies a specific charge within a tariff schedule. ChargeID is a unique identifier created and maintained by the Thomson Reuters™ content team to identify each distinct charge. Note that if there is a change to a charge, the old ChargeID will be expired and a new one created.

A single HS Number may be associated with multiple ChargeIDs because multiple charges can apply to the same product classification simultaneously. Charges are linked to HS classifications using TariffID + HSNumber and exist in a one-to-many relationship with the HS Description UOM extract.

Core Data Elements

The Charges extract contains the following key fields:

Field Name	Data Type	Definition	Key Characteristics
TariffID	Unique Identifier	Series of characters that uniquely identifies a tariff schedule	References HS Description UOM extract
TariffSchedule	Varchar(50)	Official name of the tariff schedule	Example: US HTS, EU TARIC, Canada HS
ChargeID	Unique Identifier	Unique identifier for a specific charge created by content team	Can appear multiple times in extract for multiple notes in different languages or multiple excluded countries
HSNumber	Nvarchar(50)	Harmonized Schedule classification number that charge applies to	References HS Description UOM extract; blank/00 means charge applies at country

			level to all HS Numbers
ChargeType	Varchar(10)	High-level grouping of charge type	Examples: DUTY, VAT, GST, EXCISE, ADDUTY, TAX
ChargeDetailTypeCode	Varchar(10)	Specific subset/detail within a ChargeType	Examples under DUTY: MAIN, PREFER, ANTIDUTY, COUNTER, CONCESMAIN, GB142, EU142
FormulaTypeCode	Varchar(10)	Code indicating how the charge is calculated using rate components	Determines how RateA, RateB, RateC components are combined
Formula	Varchar(1000)	Mathematical formula used to calculate the duty rate	Shows how rate components are combined to form total rate
ChargeEffectiveDate	Datetime	Date charge goes into effect	Charges have an effective date prior to or equal to the current date
ChargeExpirationDate	Datetime	Date charge expires	May be null for charges with no known end date. A date of 1/1/1900 indicates no expiration date
ImportExport	Varchar(30)	Indicates whether charge applies to import or export	Values: Import or Export
ImportGroupCode	Varchar(20)	Country group code for destination country (where goods are bound for)	References Country Group Code extract; indicates which country group is assessing the charge
ImportGroupDescription	Nvarchar(500)	Description of the country group for destination	Examples: US HTS, European Union

ExportGroupCode	Varchar(20)	Country group code for origin country (where goods are shipped from)	References Country Group Code extract; indicates which country group charges apply to (e.g., FTA group)
ExportGroupDescription	Nvarchar(500)	Description of the country group for origin	Examples: NAFTA, GSP Group
CurrencyCode	Varchar(3)	Currency code for the charge	ISO currency code
Rate	Varchar(4096)	Complete duty rate associated with the charge	Formatted rate value using all components form Rate A, B and C
RateA, RateB, RateC	Numeric(38,20)	Numeric component values of the rate	Each can represent percentage, specific amount, or other value depending on formula type
RateAMath, RateBMath, RateCMath	Varchar(5)	Mathematical operator for each rate component	Examples: *, +, - indicating how rate component is applied
RateAUOM, RateBUOM, RateCUOM	Nvarchar(200)	Unit of measure for each rate component	Examples: %, KG, Liter, Each, piece
RateAUOMAmount, RateBUOMAmount, RateCUOMAmount	Numeric(38,20)	Conversion factor for each UOM	Example: 100 means rate applies per 100 units
MinimumRate, MaximumRate	Varchar(4096)	Floor and ceiling rates for the charge	Used in formulas where rate cannot go below minimum or above maximum
Province	Varchar(25)	SubCountryCode for state/province-specific charges	Used for Canada GST and Brazil ICMS rates which vary by state/province

NoteCulture	Varchar(3)	Language code for charge note	3-digit culture code; notes can exist in multiple languages
Note	Nvarchar(max)	Additional note or detail related to charge	Can be lengthy; ChargeID appears multiple times if multiple notes in different languages
ExcludedGroup	Varchar(10)	Country or country group excluded from this charge	References Country Group Code extract; ChargeID appears multiple times if multiple excluded countries
RestrictedCode	Varchar(10)	Reference to case/ruling related to charge restriction	Only populated for ANTIDUTY and COUNTER charge detail types
AdditionalRestrictedCode	Varchar(10)	Additional reference to case/ruling for restriction	Only populated for ANTIDUTY and COUNTER charge detail types
RestrictedCompanyName	Nvarchar(4000)	Company/entity the rate does apply to	Only populated for ANTIDUTY and COUNTER charge detail types
Restriction	Nvarchar(1000)	Description of restricted goods or conditions	Only populated for ANTIDUTY and COUNTER charge detail types
RestrictionAddress	Nvarchar(500)	Address of restricted company/entity	Only populated for ANTIDUTY and COUNTER charge detail types
RestrictionSubCountryCode	Varchar(3)	Province/region of restricted company/entity	Only populated for ANTIDUTY and COUNTER charge detail types
RestrictionCountry	Varchar(2)	Country of restricted company/entity	Only populated for ANTIDUTY and

COUNTER charge detail types			
RestrictionEffectiveDate	Datetime	When restriction goes into effect	Only populated for ANTIDUTY and COUNTER charge detail types
RestrictionExpirationDate	Datetime	When restriction expires	Only populated for ANTIDUTY and COUNTER charge detail types. A date of 1/1/1900 indicates no expiration date

Understanding Charge Type and Charge Detail Type

Charges are organized in a two-level hierarchy: ChargeType (high-level grouping) and ChargeDetailTypeCode (specific detail within that grouping). ChargeType provides a broad categorization of the charge, allowing users to group similar charges together for reporting and analysis purposes. ChargeDetailTypeCode provides the more granular classification within that category.

Multiple Charge Detail Types may exist under a single Charge Type, enabling a tariff schedule to distinguish between different duty, tax, or fee mechanisms while maintaining a common high-level grouping.

Duty - Charges imposed by customs authorities on imported or exported goods:

- Main Duty Rate (Customs Duty)
- Preferential Duty Rate (FTA Rate)
- Antidumping Duty (ADD)
- Countervailing Duty (CVD)
- Export Duty

Tax - Government taxes assessed on goods as part of importation, sale, or consumption:

- Value Added Tax (VAT)
- Goods and Services Tax (GST)
- Sales Tax
- Consumption Tax
- Excise Tax

Fee - Administrative or service-related charges imposed by a government agency or customs authority:

- Customs Processing Fee
- Merchandise Processing Fee (MPF)
- Customs Declaration Fee
- Port Handling Fee
- Inspection Fee
- Statistical Fee

Example: DUTY Charges

ChargeType	ChargeDetailTypeCode	Description
DUTY	MAIN	Main Duty — base rate applicable to most countries
DUTY	PREFER	Preferential Duty — reduced rate for countries with trade agreements
DUTY	ANTIDUTY	Antidumping Duty — protective duty against dumped goods
DUTY	COUNTER	Countervailing Duty — protective duty against subsidized goods
DUTY	CONCESMAIN	Concessional Main Duty — reduced main duty under special programs
DUTY	GB142	Tariff Preference — UK-specific preference
DUTY	EU142	Tariff Preference — EU-specific preference

Important Operational Characteristics

- Charges will relate to HS Description UOM extract in a one-to-many relationship. TariffID + HSNumber identifies the mapping to HS Description UOM
- If a charge from an HS Number is updated, all remaining charges for that HS number are sent in the daily update, even if those charges were not modified
- ChargeID can appear multiple times in an extract for different reasons: multiple notes in different languages, multiple excluded countries, or multiple restrictions
- HSNumber field can be blank or '00' — this means the charge applies at country level to all HS Numbers (e.g., US Merchandise Processing Fee, some excise charges where government has not specified particular HS Numbers)
- HSNumber references HSNumber from HS Description UOM extract when a specific value is provided
- A single HS Number may have multiple associated charges. Customs duty, VAT/GST, excise taxes, antidumping duties, and other charges can all apply simultaneously to the same product classification. Charges therefore maintain a one-to-many relationship with HS classifications.
- Charges for Canada and Brazil may include state/province-level details. Canada maintains GST rates at province level; Brazil maintains ICMS rates at state level. Use the Province field to identify state/province-specific charges
- Antidumping related fields (RestrictedCode, AdditionalRestrictedCode, RestrictedCompanyName, Restriction, RestrictionAddress, RestrictionSubCountryCode, RestrictionCountry, RestrictionEffectiveDate, RestrictionExpirationDate) are only populated when ChargeDetailTypeCode

is ANTIDUTY (Antidumping Duty) or COUNTER (Countervailing Duty). These fields are empty/null for all other charge types

- Your initial extract contains only active charges
- When a country group code is updated, all charges mapped to that group are sent in the daily update
- Charge records are controlled by effective and expiration dates. Consumers should evaluate ChargeEffectiveDate and ChargeExpirationDate to determine whether a charge is active for a specific transaction date.
- Multiple records may exist for the same ChargeID. This can occur due to multilingual notes, excluded country information, or other charge-specific restrictions and should not automatically be interpreted as duplicate data.
- Charge calculations may require multiple rate components and formulas. The extract contains FormulaTypeCode, Formula, and rate component fields that may need to be evaluated together to determine the final charge amount.

Data Freshness and Updates

The Charges extract can be setup to send only active charges or active + future charges.

Active Charges Only: Your initial Charges Extract contains only active charges – those currently in effect and applicable for customs declaration or payment.

Active + Future Charges: Your extract will contain anything that is currently effective or will be effective in the future that is already in content. Our Global Trade Content team loads information as it is provided by the government.

Each day, the content extractor provides incremental updates reflecting changes to active and future (based on configuration) charges. Daily updates may include additions, modifications, and expirations.

Types of Changes in Daily Updates

Changes to Charge

- New charge added — a new charge becomes active
- Charge expired — an existing charge is no longer valid
- Charge set to expire in the future — expiration date added/updated for active charge
- Charge type or category changed — ChargeType or ChargeDetailTypeCode modified
- Charge description changed — text or details of charge updated
- Charge use (import/export) changed — ImportExport field modified
- Charge currency changed — CurrencyCode modified
- Charge effective date changed — causing the charge to become active earlier or later than previously maintained.
- Charge formula changed — potentially affecting how the final charge amount is calculated even when rate components remain unchanged.

Changes to Charge/HS Mapping

- New mapping of charge to HS number — charge assigned to previously unassigned HS number
- Mapping of charge to HS number removed — charge no longer applies to a specific HS number

- Charge applied to additional HS numbers — an existing charge is expanded to cover additional product classifications.
- Charge removed from one or more HS numbers — an existing charge continues to exist but no longer applies to specific classifications.

Changes to Applicable Countries and Subcountries

- Charge mapped to new import country group — charge now applies to additional destination country group
- Charge mapped to new export country group — charge now applies to additional origin country group
- New description for import country group — ImportGroupDescription updated
- New description for export country group — ExportGroupDescription updated
- New countries excluded from charge — additional countries added to excluded list
- Countries no longer excluded from charge — countries removed from excluded list
- Charge mapped to new subcountry (state, region) — Province field updated or new province added
- Import country group changed — charge remains active but applicability moves from one country group to another.
- Export country group changed — existing applicability is revised to a different origin-country grouping.
- Province/state applicability removed — a province or state previously associated with a charge is no longer applicable.

Changes to Rate

- Rate calculated with new formula — FormulaTypeCode changed
- Rate components changed — RateA, RateB, or RateC values modified
- Rate math changed — RateAMath, RateBMath, or RateCMath operator modified
- Rate unit of measure or amount changed — RateAUOM, RateBUOM, RateCUOM or their UOM Amounts modified
- New min/max added for rate — MinimumRate or MaximumRate added
- Min/max removed from rate — MinimumRate or MaximumRate removed
- Currency conversion basis changed — CurrencyCode remains populated but the charge is maintained in a different currency than before.
- Minimum/maximum rate value changed — existing MinimumRate or MaximumRate values are modified rather than added or removed.

Changes to Notes

- New note added — note for charge in new language
- Note removed — existing note deleted
- New note translation — note provided in additional language
- Note text changed — text of existing note modified
- Note translation changed — translated text of note modified
- Note language removed — one of several available note translations is removed.

Changes to Restricted Details (ANTIDUTY and COUNTER Only)

- New restricted company, state, country for existing charge — additional restriction added
- Restriction removed — existing restriction deleted
- Change to existing restricted company, state, country — restriction details modified
- Restricted company information changed — company name, address, jurisdiction, or associated restriction details updated.
- Restriction effective or expiration date changed — validity period of an antidumping or countervailing restriction is modified.

Understanding Formula Types

Each charge's rate is calculated using a FormulaTypeCode that indicates how the rate components (RateA, RateB, RateC) are combined. Duty rates are broken down into components, and the formula type indicates how those components are calculated and combined to create the final duty rate.

The five most commonly used formula types are described in detail below. A comprehensive reference of all 30 active formula types is provided in [Appendix B: Formula Type Code Reference](#).

PERCENTAGE Formula Type

PERCENTAGE is the most commonly used formula type. It represents a percentage-based charge calculated as a percentage of the merchandise value.

Formula

(RateA * Price)

Example: Ad Valorem Rate Only (5%)

The rate of .05 (5%) is multiplied (*) by the merchandise price to calculate the duty amount. The RateUOMAmount of 0 indicates this is a percentage calculation.

RateType	RateMath	Rate	RateUOM	RateUOMAmount
A	*	.05		0

Key Points

- RateA contains the percentage value (e.g., .05 for 5%)
- RateMath is * (multiplication) operator
- RateUOM is empty for percentage calculations
- RateUOMAmount is 0
- Formula variations exist for other tax types (VAT, excise) that may use more complex calculations

PERUNIT Formula Type

PERUNIT is the second most commonly used formula type. It represents a specific charge applied per unit of measure.

Formula

RateA * (number of units of measure per shipment)

Example 1: Specific Rate (\$10/KG)

The rate of 10 is added (+) for each unit of the specified UOM. The RateUOMAmount of 1 means the rate applies to 1 KG.

RateType	RateMath	Rate	RateUOM	RateUOMAmount
A	+	10	KG	1

Example 2: Specific Rate (\$56.20/100.00 Kg Gross)

The rate of 56.20 applies per 100 kilograms. The RateUOMAmount of 100 indicates the rate applies to 100 kg gross.

RateType	RateMath	Rate	RateUOM	RateUOMAmount
A	+	56.20	Kg gross	100

Key Points

- RateA contains the specific numeric charge amount
- RateMath is typically + (addition) operator
- RateUOM identifies the unit of measure (KG, Liter, Each, piece, etc.)
- RateUOMAmount is the quantity of UOM the rate applies to (e.g., 1 for per unit, 100 for per 100 units)

PLUS Formula Type

PLUS represents a combination charge that adds a percentage component and a per-unit component together.

Formula

$(\text{RateA} * \text{Price}) + (\text{RateB} * \text{Qty related to Unit of Measure})$

Example: Ad Valorem and Specific Rate (5%+\$10/KG)

RateA (.05 or 5%) is the ad valorem percentage component; RateB (10) is the specific charge per kilogram. Both components are added (+) together to create the total charge.

RateType	RateMath	Rate	RateUOM	RateUOMAmount
A	+	.05		0
B	+	10	KG	1

Key Points

- RateA contains the ad valorem percentage (RateUOMAmount = 0)
- RateB contains the specific per-unit charge (with UOM and UOM Amount populated)
- Both rates are combined using + (addition) operator
- The total charge = $(\text{RateA} * \text{price}) + (\text{RateB} * \text{quantity in UOM})$
- Allows clients to see options for lower rates by choosing preferential duty over main duty with specific components

VALUE Formula Type

VALUE represents a fixed charge amount assigned as a value or fee, independent of merchandise price or quantity.

Formula

Value / Fee

Example: Fixed Fee Charge

The rate is a fixed amount applied regardless of shipment price or quantity.

RateType	RateMath	Rate	RateUOM	RateUOMAmount
A	=	0.00	SEK	

Key Points

- RateA contains the fixed amount
- Used for fixed fees, surtaxes, or other non-formula-based charges
- Does not scale with price or quantity
- CurrencyCode indicates the currency of the fixed value

NOTE Formula Type

NOTE is used when a charge formula is too complex or detailed for the system to represent using standard formula types. When NOTE is the formula type, the actual charge calculation details are provided in the Note field instead.

Usage

Indicates that clients must review the Note field (which may be lengthy and detailed) to understand how the charge is calculated. This typically occurs when:

Government sources provide complex calculations not easily reduced to standard components

Example

A charge where the source has provided detailed calculation rules rather than a simple formula structure would use NOTE, with full details in the Note field in the client's language of choice.

Key Points

- FormulaTypeCode = NOTE indicates to read the Note field
- Notes can be in multiple languages (NoteCulture field indicates language)
- ChargeID appears multiple times if notes exist in different languages
- No standard rate component fields (RateA, RateB, RateC) are used
- Clients should always check for NOTE formulas to ensure they have the full picture of applicable charges

AT	AT10	AT15	AT20	AT25	AT30	AT35	AT40	AT45	AT50	AT55	AT60	AT65	AT70	AT75	AT80	AT85	AT90	AT95	AT100	AT105	AT110	AT115	AT120	AT125	AT130	AT135	AT140	AT145	AT150	AT155	AT160	AT165	AT170	AT175	AT180	AT185	AT190	AT195	AT200	AT205	AT210	AT215	AT220	AT225	AT230	AT235	AT240	AT245	AT250	AT255	AT260	AT265	AT270	AT275	AT280	AT285	AT290	AT295	AT300	AT305	AT310	AT315	AT320	AT325	AT330	AT335	AT340	AT345	AT350	AT355	AT360	AT365	AT370	AT375	AT380	AT385	AT390	AT395	AT400	AT405	AT410	AT415	AT420	AT425	AT430	AT435	AT440	AT445	AT450	AT455	AT460	AT465	AT470	AT475	AT480	AT485	AT490	AT495	AT500	AT505	AT510	AT515	AT520	AT525	AT530	AT535	AT540	AT545	AT550	AT555	AT560	AT565	AT570	AT575	AT580	AT585	AT590	AT595	AT600	AT605	AT610	AT615	AT620	AT625	AT630	AT635	AT640	AT645	AT650	AT655	AT660	AT665	AT670	AT675	AT680	AT685	AT690	AT695	AT700	AT705	AT710	AT715	AT720	AT725	AT730	AT735	AT740	AT745	AT750	AT755	AT760	AT765	AT770	AT775	AT780	AT785	AT790	AT795	AT800	AT805	AT810	AT815	AT820	AT825	AT830	AT835	AT840	AT845	AT850	AT855	AT860	AT865	AT870	AT875	AT880	AT885	AT890	AT895	AT900	AT905	AT910	AT915	AT920	AT925	AT930	AT935	AT940	AT945	AT950	AT955	AT960	AT965	AT970	AT975	AT980	AT985	AT990	AT995	AT1000	AT1005	AT1010	AT1015	AT1020	AT1025	AT1030	AT1035	AT1040	AT1045	AT1050	AT1055	AT1060	AT1065	AT1070	AT1075	AT1080	AT1085	AT1090	AT1095	AT1100	AT1105	AT1110	AT1115	AT1120	AT1125	AT1130	AT1135	AT1140	AT1145	AT1150	AT1155	AT1160	AT1165	AT1170	AT1175	AT1180	AT1185	AT1190	AT1195	AT1200	AT1205	AT1210	AT1215	AT1220	AT1225	AT1230	AT1235	AT1240	AT1245	AT1250	AT1255	AT1260	AT1265	AT1270	AT1275	AT1280	AT1285	AT1290	AT1295	AT1300	AT1305	AT1310	AT1315	AT1320	AT1325	AT1330	AT1335	AT1340	AT1345	AT1350	AT1355	AT1360	AT1365	AT1370	AT1375	AT1380	AT1385	AT1390	AT1395	AT1400	AT1405	AT1410	AT1415	AT1420	AT1425	AT1430	AT1435	AT1440	AT1445	AT1450	AT1455	AT1460	AT1465	AT1470	AT1475	AT1480	AT1485	AT1490	AT1495	AT1500	AT1505	AT1510	AT1515	AT1520	AT1525	AT1530	AT1535	AT1540	AT1545	AT1550	AT1555	AT1560	AT1565	AT1570	AT1575	AT1580	AT1585	AT1590	AT1595	AT1600	AT1605	AT1610	AT1615	AT1620	AT1625	AT1630	AT1635	AT1640	AT1645	AT1650	AT1655	AT1660	AT1665	AT1670	AT1675	AT1680	AT1685	AT1690	AT1695	AT1700	AT1705	AT1710	AT1715	AT1720	AT1725	AT1730	AT1735	AT1740	AT1745	AT1750	AT1755	AT1760	AT1765	AT1770	AT1775	AT1780	AT1785	AT1790	AT1795	AT1800	AT1805	AT1810	AT1815	AT1820	AT1825	AT1830	AT1835	AT1840	AT1845	AT1850	AT1855	AT1860	AT1865	AT1870	AT1875	AT1880	AT1885	AT1890	AT1895	AT1900	AT1905	AT1910	AT1915	AT1920	AT1925	AT1930	AT1935	AT1940	AT1945	AT1950	AT1955	AT1960	AT1965	AT1970	AT1975	AT1980	AT1985	AT1990	AT1995	AT2000	AT2005	AT2010	AT2015	AT2020	AT2025	AT2030	AT2035	AT2040	AT2045	AT2050	AT2055	AT2060	AT2065	AT2070	AT2075	AT2080	AT2085	AT2090	AT2095	AT2100	AT2105	AT2110	AT2115	AT2120	AT2125	AT2130	AT2135	AT2140	AT2145	AT2150	AT2
----	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	-----

Charges in child Tariffs

[illegible]

Thomson
Reuters™

Relationship Between Charges and Country Group Codes

- Important:** As shown in the screenshots, the Export Group Code values in the Charges extract can be cross-referenced with the CountryGroupCodes extract to determine whether a charge applies to a specific country.

Charges Extract Example:

TariffSch	ChargeID	HSNumber	FormulaType	Formula	ChargeEffectiveDate	ChargeExpirationDate	ChargeDutyType	ChargeDutyRate	ChargeDutyRateType	ChargeDutyRateValue	ChargeDutyRateUnit	ChargeDutyRateCurrency	ChargeDutyRateSign	ChargeDutyRateRateA	ChargeDutyRateRateB	ChargeDutyRateRateC	ChargeDutyRateRateD	ChargeDutyRateRateE	ChargeDutyRateRateF	ChargeDutyRateRateG	ChargeDutyRateRateH	ChargeDutyRateRateI	ChargeDutyRateRateJ	ChargeDutyRateRateK	ChargeDutyRateRateL	ChargeDutyRateRateM	ChargeDutyRateRateN	ChargeDutyRateRateO	ChargeDutyRateRateP	ChargeDutyRateRateQ	ChargeDutyRateRateR	ChargeDutyRateRateS	ChargeDutyRateRateT	ChargeDutyRateRateU	ChargeDutyRateRateV	ChargeDutyRateRateW	ChargeDutyRateRateX	ChargeDutyRateRateY	ChargeDutyRateRateZ	ChargeCategory		
US HTS	bd80220-4	010632000	PERCENTA	(RateA*Pr	31/10/2012	01/01/1900	DUTY	MAIN	IMPORT	Main Duty	USG	UNITED STATES	USCOLONE	US COLUMN ONE -	USD	1.80%	+	0.018	0																							Other Duty
US HTS	d436ad59-	010632000	PERCENTA	(RateA*Pr	31/10/2012	01/01/1900	DUTY	MAIN	IMPORT	Main Duty	USG	UNITED STATES	USCOLTWO	US COLUMN TWO -	USD	20.00%	+	0.2	0																							Other Duty
US HTS	076554c-7	010639010	PERCENTA	(RateA*Pr	31/10/2012	01/01/1900	DUTY	MAIN	IMPORT	Main Duty	USG	UNITED STATES	USCOLONE	US COLUMN ONE -	USD	1.80%	+	0.018	0																							Other Duty
US HTS	07c734f-4	010639010	PERCENTA	(RateA*Pr	31/10/2012	01/01/1900	DUTY	MAIN	IMPORT	Main Duty	USG	UNITED STATES	USCOLTWO	US COLUMN TWO -	USD	20.00%	+	0.2	0																							Other Duty

Extract Example: The screenshot below illustrates a sample extract output and highlights the key information available to users.

CountryGroupCodes Extract Example:

CountryGroupCode	CountryCode	Allowable
USCOLTWO	BY	Y
USCOLTWO	CU	Y
USCOLTWO	KP	Y
USCOLTWO	RU	Y
USCOLONE	BY	N
USCOLONE	CU	N
USCOLONE	KP	N
USCOLONE	RU	N

Extract Example: The screenshot below illustrates a sample extract output and highlights the key information available to users.

- For USCOLONE, the countries listed in the CountryGroupCodes extract are excluded from the charge (Allowable = N). Conversely, for USCOLTWO, the countries listed are eligible for and subject to the charge (Allowable = Y).
- In the example shown, countries such as Belarus (BY), Cuba (CU), North Korea (KP), and Russia (RU) are excluded when the charge references USCOLONE, but are included when the charge references USCOLTWO.
- Therefore, the Charges extract and CountryGroupCodes extract should always be reviewed together to accurately determine the country applicability of a charge.

Charges Applied Across Import and Export Tariffs

- Important:** In countries where separate import and export tariff schedules exist, such as the United States (**HTS Tariff** and **Schedule B**), country-level charges are associated with both tariffs when they share the same **Import Group Code**.
- For example, the U.S. import tariff (HTS) and export tariff (Schedule B) both use the Import Group Code **USG**. Because of this relationship, a charge that is configured at the country level for the import tariff is automatically matched to the corresponding export tariff as well.
- As a result, when reviewing the Charges extract, the same charge may appear under both tariff schedules for the same country. This is expected system behavior and does not indicate duplicate charge records. Instead, it reflects the shared Import Group Code configuration that allows the charge to be applied consistently across both tariff schedules.

- When two tariff schedules exist for the same country, users should consider this shared relationship when analyzing or validating country-level charges.

Related Controls Extract

The Related Controls extract provides a comprehensive list of import and export controls and restrictions that apply to specific Harmonized Schedule Numbers and countries. This extract identifies regulatory controls issued by various government agencies that must be complied with when importing or exporting products.

Extract Name: RelatedControls

Primary Use Cases

- Visibility into what types of controls and restrictions could apply to client's products when importing and exporting
- Used during supply chain processes to review restrictions before trade decisions are made
- Provides product descriptions of controls that apply on a country-level basis
- Identify all regulatory requirements and restrictions for a specific HS number and country combination

Primary Keys

A unique control record is identified by the combination of:

TariffID + Number uniquely identifies the HS number within the tariff schedule to which the control applies. ControlType and ControlCountry further refine which specific control is being referenced.

Core Data Elements

The Related Controls extract contains the following key fields:

Field Name	Data Type	Definition	Key Characteristics
TariffID	Unique Identifier	Series of characters that uniquely identifies a tariff schedule	References HS Description UOM extract
TariffSchedule	Varchar(50)	Official name of the tariff schedule	Example: US HTS, EU TARIC, Canada HS
ControlCountry	Nvarchar(50)	Country issuing the control	References Country Group Code extract; indicates country issuing the control
Number	Nvarchar(50)	Harmonized Schedule number that control applies to	References HS Description UOM extract; can be partial HS number (heading,

			subheading, or fully qualified)
Control	Varchar(10)	Indicates whether control applies to import or export, and the level (country or HS number)	Values: COUNTRYIMPORT, IMPORT, COUNTRYEXPORT, EXPORT
ControlType	Nvarchar(50)	Unique code identifying the specific control	Created by Thomson Reuters content team; typically starts with 2-digit country code + IM/EX
CultureCode	Varchar(3)	Language code for the control description	3-digit ISO culture code; multiple records if descriptions exist in multiple languages
ControlDescription	Nvarchar(max)	Description of the control and its requirements	Can be lengthy; multiple records in extract for different language translations
EffectivityDate	Datetime	Date when the control goes into effect	Control is active from this date forward
ExpirationDate	Datetime	Date when the control expires	May be null for controls with no known end date. A date of 1/1/1900 indicates no expiration date
AgencyCode	Varchar(50)	Abbreviation of the government agency issuing the control	Multiple records if more than one agency is applicable for a control
AgencyDescription	Nvarchar(max)	Full description of the government agency	Example: US FDA, EU Customs, etc.
CountriesExcluded	Varchar(1)	Indicates whether listed countries are	Blank/null = applies to all; Y = listed

		excluded from or must comply with the control	countries excluded (don't comply); N = listed countries must comply
ApplicableCountryCode	Nvarchar(max)	Country or country group applicable to the control's exclusion or inclusion logic	References Country Group Code extract; blank = control applies to all countries
CountrySpecificEffectivityDate	Datetime	Country-specific date when control goes into effect	May differ from main EffectivityDate for specific countries
CountrySpecificExpirationDate	Datetime	Country-specific date when control expires	May differ from main ExpirationDate for specific countries. A date of 1/1/1900 indicates no expiration date

Understanding the Control Field

Control Field Values

The Control field specifies both the type of control (import or export) and the level at which it applies (country or HS number level).

COUNTRYIMPORT

This control is an import-related control that applies at the country level, not at a specific HS number. The control applies to all HS Numbers being imported into or from the specified country.

IMPORT

This control is an import-related control that applies to the specific HS Number in the Number field. The control applies only to that particular HS number when being imported.

COUNTRYEXPORT

This control is an export-related control that applies at the country level, not at a specific HS number. The control applies to all HS Numbers being exported from the specified country.

EXPORT

This control is an export-related control that applies to the specific HS Number in the Number field. The control applies only to that particular HS number when being exported.

Understanding Controltype

ControlType is a unique code created by Thomson Reuters to uniquely identify each specific control. Most ControlTypes start with a 2-digit country code followed by IM (import) or EX (export), though these codes are unique in nature and created by the content team.

The detailed information about what the control regulates, its requirements, and its implications is provided in the ControlDescription field. ControlType serves as the identifier; ControlDescription provides the business context.

Understanding Applicable Countries Mapping

The CountryIsExcluded field, combined with ApplicableCountryCode, determines which countries must comply with or are exempted from a control.

Exclusion Logic

When CountryIsExcluded = Y: The countries listed in ApplicableCountryCode are EXCLUDED from the control — they do NOT have to comply. All other countries must comply with the control.

When CountryIsExcluded = N: The countries listed in ApplicableCountryCode MUST comply with the control. All other countries do NOT have to comply.

When CountryIsExcluded is blank/null: The control applies to all countries (no specific country restrictions), or ApplicableCountryCode field is not used for this control.

Example: GB277 Control

Control: GB (IMPORT, ControlType: GB277, HS Number: 0709300070)

ApplicableCountryCode: KP (Democratic People's Republic of Korea)

CountryIsExcluded: N (must comply)

Interpretation: Only Democratic People's Republic of Korea must comply with this import control. All other countries do NOT have to comply.

Example: GBFN750CD808 Control

Control: GB (IMPORT, ControlType: GBFN750CD808, HS Number: 0709300070)

ApplicableCountryCodes: CZ (Czechia), IE (Ireland), LU (Luxembourg), MT (Malta), BG (Bulgaria), NO (Norway), GR (Greece), IS (Iceland), SI (Slovenia), DK (Denmark), NL (Netherlands), XI (Northern Ireland), BE (Belgium), DE (Germany), HU (Hungary), LV (Latvia), PT (Portugal), IT (Italy), EU (European Union), HR (Croatia), ES (Spain), LT (Lithuania), SE (Sweden), CY (Cyprus), EE (Estonia), RO (Romania), SK (Slovakia), AT (Austria), FI (Finland), FR (France), PL (Poland), CH (Switzerland)

CountryIsExcluded: Y (excluded from compliance)

Interpretation: All the listed countries are EXCLUDED from this import control and do NOT have to comply. All other countries (those NOT listed) must comply with this import control.

Data Freshness and Updates

Your initial Related Controls extract contains only active controls — those currently in effect and applicable for import/export compliance.

Each day, the content extractor provides incremental updates reflecting changes to active controls. Daily updates may include additions, modifications, and expirations.

Types of Changes in Daily Updates

Changes to Control

- New control added — a new control becomes active

- Control expired — an existing control is no longer in effect

Changes to Control Description

- New description added — additional descriptive text for a control
- New translation added for existing description — description provided in a new language
- Control description changed — text of existing description modified
- Control translation changed — translated text of description modified

Changes to Control Agency

- New agency mapped to control — additional agency assigned to the control
- New translation for agency name added in same language as control description — agency name translated
- Agency mapping removed from control — agency is no longer applicable
- Agency name changed — agency description text modified

Changes to Applicable Countries

- Control applied to new country group — control now applies to additional countries
- Control no longer applied to existing country group — control removed from countries
- New country excluded — country added to exclusion list
- Country no longer excluded — country removed from exclusion list
- Control will no longer apply to given country group in the future — scheduled removal of country applicability

Extract Example:

Related Controls at HS level

TariffID	TariffSchedule	ControlCountry	ControlNumber	Control	ControlType	CultureCode	ControlDesc	EffectivityDate	ExpirationDate	AgencyCode	AgencyDesc	CountriesExcluded	ApplicableCountries	CountrySpecific	ExpirationDate
5679186-00	US HTS	USG	01012100	IMPORT	USADDITIONAL	eng	This HS num	01/09/2019	01/01/1900	USTR	Trade Repres	CN		01/09/2019	01/01/1900
5679186-00	US HTS	USG	0101210010	IMPORT	AM7	eng	USDA-Agricu	14/02/2020	01/01/1900	USUSDA	United States			01/01/1900	01/01/1900
5679186-00	US HTS	USG	0101210010	IMPORT	FD3	eng	FD3 - FDA Pr	04/06/2018 12:35	01/01/1900	USFDA	Food and Dru			01/01/1900	01/01/1900
5679186-00	US HTS	USG	0101210010	IMPORT	USEO14289	eng	Hierarchy of	04/03/2025	01/01/1900	USWHO	The White Hc			01/01/1900	01/01/1900
5679186-00	US HTS	USG	0101210020	IMPORT	AM7	eng	USDA-Agricu	14/02/2020	01/01/1900	USUSDA	United States			01/01/1900	01/01/1900
5679186-00	US HTS	USG	0101210020	IMPORT	USEO14289	eng	Hierarchy of	04/03/2025	01/01/1900	USWHO	The White Hc			01/01/1900	01/01/1900
5679186-00	US HTS	USG	0101290090	IMPORT	FD3	eng	FD3 - FDA Pr	04/06/2018 12:35	01/01/1900	USFDA	Food and Dru			01/01/1900	01/01/1900
5679186-00	US HTS	USG	0101290090	IMPORT	USEO14289	eng	Hierarchy of	04/03/2025	01/01/1900	USWHO	The White Hc			01/01/1900	01/01/1900
5679186-00	US HTS	USG	0101300000	EXPORT	USEXFW5_C	eng	The Fish and	01/01/2017	01/01/1900	USFWS	Fish and Wilc			01/01/1900	01/01/1900
5679186-00	US HTS	USG	0101300000	IMPORT	FD3	eng	FD3 - FDA Pr	04/06/2018 12:35	01/01/1900	USFDA	Food and Dru			01/01/1900	01/01/1900
5679186-00	US HTS	USG	0101903000	IMPORT	FD4	eng	FD4 - FDA Pr	04/06/2018 12:35	01/01/1900	USFDA	Food and Dru			01/01/1900	01/01/1900
5679186-00	US HTS	USG	01019040	IMPORT	USADDITIONAL	eng	This HS num	01/09/2019	01/01/1900	USTR	Trade Repres	CN		01/09/2019	01/01/1900
5679186-00	US HTS	USG	0102210010	IMPORT	FD3	eng	FD3 - FDA Pr	04/06/2018 12:35	01/01/1900	USFDA	Food and Dru			01/01/1900	01/01/1900
5679186-00	US HTS	USG	0102210010	IMPORT	USEO14289	eng	Hierarchy of	04/03/2025	01/01/1900	USWHO	The White Hc			01/01/1900	01/01/1900
5679186-00	US HTS	USG	0102210020	IMPORT	USEO14289	eng	Hierarchy of	04/03/2025	01/01/1900	USWHO	The White Hc			01/01/1900	01/01/1900
5679186-00	US HTS	USG	0102210050	IMPORT	FD3	eng	FD3 - FDA Pr	04/06/2018 12:35	01/01/1900	USFDA	Food and Dru			01/01/1900	01/01/1900

Extract Example: The screenshot below illustrates a sample extract output and highlights the key information available to users.

Related Controls at Country level

TariffID	TariffSchedule	ControlCountry	ControlNumber	Control	ControlType	CultureCode	ControlDesc	EffectivityDate	ExpirationDate	AgencyCode	AgencyDesc	CountriesExcluded	ApplicableCountries	CountrySpecific	ExpirationDate
5679186-00	US HTS	USG	00	COUNTRYEXPORT	USEX015	eng	The Departm	01/01/2015	01/01/1900	USDOS	U.S. Departm			01/01/1900	01/01/1900
5679186-00	US HTS	USG	00	COUNTRYEXPORT	USEX025	eng	A License is r	15/09/2022	01/01/1900	USBIS	Bureau of Inc	CN	BY, RU	15/09/2022	01/01/1900
5679186-00	US HTS	USG	00	COUNTRYEXPORT	USIM500	eng	Memorandur	07/04/2020	01/01/1900	USWHO	The White Hc			01/01/1900	01/01/1900
5679186-00	US HTS	USG	00	COUNTRYIMPORT	USCNMINIM	eng	Pursuant to t	14/05/2025	01/01/1900	USWHO	The White Hc	CN, HK		14/05/2025	01/01/1900
5679186-00	US HTS	USG	00	COUNTRYIMPORT	USIM002	eng	The Environn	07/10/2014 13:01	01/01/1900	USEPA	United States			01/01/1900	01/01/1900
5679186-00	US HTS	USG	00	COUNTRYIMPORT	USIM005	eng	The Environn	07/10/2014 13:01	01/01/1900	USEPA	United States			01/01/1900	01/01/1900
5679186-00	US HTS	USG	00	COUNTRYIMPORT	USIM006	eng	The Environn	07/10/2014 13:01	01/01/1900	USEPA	United States			01/01/1900	01/01/1900
5679186-00	US HTS	USG	00	COUNTRYIMPORT	USIM010	eng	The Environn	07/10/2014 13:01	01/01/1900	USEPA	United States			01/01/1900	01/01/1900
5679186-00	US HTS	USG	00	COUNTRYIMPORT	USIM014	eng	The Environn	07/10/2014 13:01	01/01/1900	USEPA	United States			01/01/1900	01/01/1900
5679186-00	US HTS	USG	00	COUNTRYIMPORT	USIM018	eng	The Environn	07/10/2014 13:01	01/01/1900	USEPA	United States			01/01/1900	01/01/1900
5679186-00	US HTS	USG	00	COUNTRYIMPORT	USIM019	eng	The Environn	07/10/2014 13:01	01/01/1900	USEPA	United States			01/01/1900	01/01/1900
5679186-00	US HTS	USG	00	COUNTRYIMPORT	USIM025	eng	The Environn	07/10/2014 13:01	01/01/1900	USEPA	United States			01/01/1900	01/01/1900
5679186-00	US HTS	USG	00	COUNTRYIMPORT	USIM032	eng	The Environn	07/10/2014 13:01	01/01/1900	USEPA	United States			01/01/1900	01/01/1900
5679186-00	US HTS	USG	00	COUNTRYIMPORT	USIM033	eng	The Environn	07/10/2014 13:01	01/01/1900	USEPA	United States			01/01/1900	01/01/1900
5679186-00	US HTS	USG	00	COUNTRYIMPORT	USIM040	eng	The Environn	07/10/2014 13:01	01/01/1900	USEPA	United States			01/01/1900	01/01/1900

Extract Example: The screenshot below illustrates a sample extract output and highlights the key information available to users.

Rulings Extract

The Rulings extract provides binding rulings issued by customs authorities and government agencies. These rulings provide official determinations on product classification, country of origin, and product valuation.

Extract Name: Rulings

Primary Use Cases

- Determine if a binding ruling exists for a specific HS number and country
- Obtain official classification ruling to confirm the correct HS number for a product
- Determine country of origin rulings for products
- Access product valuation rulings for customs purposes
- Review official government determinations on product classification before making trade decisions

Data Coverage by Ruling Type

Not all countries maintain binding rulings. Thomson Reuters maintains coverage as follows:

- Classification Rulings — All countries that maintain binding classification rulings
- Origin Rulings — US and a few EU countries
- Valuation Rulings — US, BD (Bangladesh), IN (India), and PK (Pakistan)

Primary Keys

A unique ruling record is identified by:

BindingRulingID uniquely identifies a specific binding ruling. TariffID + HSNumber further identifies the tariff and HS classification to which the ruling applies.

Core Data Elements

The Rulings extract contains the following key fields:

Field Name	Data Type	Definition	Key Characteristics
BindingRulingID	Unique Identifier	Series of characters that uniquely identifies a binding ruling	Primary key for the ruling
TariffID	Unique Identifier	Series of characters that uniquely identifies a tariff schedule	References HS Description UOM extract; identifies the tariff schedule

HS Content Extract Overview

TariffSchedule	Varchar(50)	Official name of the tariff schedule	Example: US HTS, EU TARIC, Canada HS
EffectivityDate	Datetime	Date when the ruling goes into effect	Ruling is active from this date forward
ExpirationDate	Datetime	Date when the ruling expires	Can be a future date, or 1/1/1900 if ruling has no expiration date
BindingRulingReferenceCode	Varchar(1000)	Issue country reference code for the ruling	Country-specific ruling identification number
IssueCountry	Varchar(5)	Country issuing the binding ruling	References Country Group Code extract; the country that published the ruling
HSNumber	Varchar(50)	Harmonized Schedule number that the ruling applies to	References HS Description UOM extract; can be partial HS number (heading, subheading, or fully qualified)
DescriptionType	Varchar(50)	Category of the ruling description	Identifies the type of description provided
CultureCode	Varchar(3)	Language code for the ruling description	3-digit ISO culture code; multiple records if descriptions in multiple languages
Description	Nvarchar(max)	Description of the binding ruling	Full text of the ruling; multiple records in extract for different language translations
BindingRulingType	Varchar(50)	Type of binding ruling	Values: Classification (determines HS number), Origin (determines country of origin), Valuation

(determines product valuation)

Understanding Bindingrulingtype

Classification

A classification ruling provides an official determination of the correct Harmonized Schedule (HS) number for a product. This ruling indicates how the customs authority has classified the product for tariff and regulatory purposes.

Origin

An origin ruling determines the country of origin of a product. This is used for preferential trade programs, trade agreements, and marking requirements. Thomson Reuters maintains origin rulings for US and a few EU countries.

Valuation

A valuation ruling determines how a product should be valued for customs purposes. This ruling establishes the basis for calculating ad valorem duties and other value-based charges. Thomson Reuters maintains valuation rulings for US, Bangladesh, India, and Pakistan.

Understanding Parent/Child Tariff Relationships in Rulings

When a ruling is issued by a child country (such as France - FR), the IssueCountry field shows the issuing country. However, the TariffID may reference the parent tariff schedule (such as EU - EUG) when the HS number is classified at the parent level.

Example: A ruling issued by France (FR) for an HS number classified at the EU level will have:

IssueCountry: FR (France)

TariffID: EUG (European Union parent tariff)

HSNumber: EU-level classification

This indicates that France, as a child of the European Union, references the EU's tariff schedule for that HS number. For a complete understanding of parent/child relationships across all tariff schedules, see [Appendix C: Parent/Child Tariff Schedule Reference](#).

Important Operational Characteristics

- Rulings will relate to HS Description UOM extract in a one-to-many relationship. TariffID + HSNumber identifies a mapping to the HS Description UOM extract
- Rulings can apply at partial HS Numbers (e.g., at the heading, subheading, or fully qualified level)
- Child countries (such as France) can inherit information from their parent tariff schedule (such as European Union). See [Appendix C](#) for parent/child relationships
- There can be multiple records in the extract for the same ruling when different descriptions exist in different languages (CultureCode)
- When an existing ruling is updated and keeps the same EffectivityDate, both an expired version and an active version will be sent in the extract. Your system should remove the old record and replace it with the new one

Data Freshness and Updates

Your initial Rulings extract contains only active rulings — those currently in effect.

Each day, the content extractor provides incremental updates reflecting changes to active rulings. Daily updates may include additions, modifications, and expirations.

Types of Changes in Daily Updates

Changes to Binding Ruling

- New ruling added — a new binding ruling becomes active
- Ruling expired — an existing ruling is no longer in effect
- Ruling set to expire in future — expiration date added or updated for an active ruling
- Ruling type changed — BindingRulingType modified

Changes to Applicable HS Numbers

- New HS added to ruling — ruling now applies to additional HS number
- HS removed from ruling — ruling no longer applies to a specific HS number

Changes to Binding Ruling Text

- New text added to ruling — additional description of the ruling
- New translation for existing ruling — ruling description provided in a new language

Extract Example:

Rulings in parent tariffs

	A	B	C	D	E	F	G	H	I	J	K	L	M
	BindingRulID	TariffID	TariffSchedule	EffectivityDate	ExpirationDate	BindingRulID	IssueCountry	HSNumber	Description	Culturecode	Description	BindingRulingType	
2	ca5dcccfd-e1	5f679186-0c	US HTS	17/01/2001	01/01/1900	NYG85468	US	630790	Classificatio	eng	The tariff cla	CLASSIFICATION	
3	ca5dcccfd-e1	5f679186-0c	US HTS	17/01/2001	01/01/1900	NYG85468	US	630790	Classificatio	eng	The applicab	CLASSIFICATION	
4	ca5dcccfd-e1	5f679186-0c	US HTS	17/01/2001	01/01/1900	NYG85468	US	630790	Description	eng	You requeste	CLASSIFICATION	
5	e3a2f066-c7	5f679186-0c	US HTS	13/05/2019	01/01/1900	N303986	US	630790	Classificatio	eng	The tariff cla	CLASSIFICATION	
6	e3a2f066-c7	5f679186-0c	US HTS	13/05/2019	01/01/1900	N303986	US	630790	Classificatio	eng	The applicab	CLASSIFICATION	
7	e3a2f066-c7	5f679186-0c	US HTS	13/05/2019	01/01/1900	N303986	US	630790	Description	eng	In your letter	CLASSIFICATION	
8	b519936f-62	5f679186-0c	US HTS	12/01/1999	01/01/1900	NYE89945	US	630790	Classificatio	eng	The tariff cla	CLASSIFICATION	
9	b519936f-62	5f679186-0c	US HTS	12/01/1999	01/01/1900	NYE89945	US	630790	Classificatio	eng	The applicab	CLASSIFICATION	
10	b519936f-62	5f679186-0c	US HTS	12/01/1999	01/01/1900	NYE89945	US	630790	Description	eng	You requeste	CLASSIFICATION	
11	024c8809-12	5f679186-0c	US HTS	10/03/2017	01/01/1900	N283350	US	630790	Classificatio	eng	The tariff cla	CLASSIFICATION	
12	024c8809-12	5f679186-0c	US HTS	10/03/2017	01/01/1900	N283350	US	630790	Classificatio	eng	The applicab	CLASSIFICATION	
13	024c8809-12	5f679186-0c	US HTS	10/03/2017	01/01/1900	N283350	US	630790	Description	eng	The item und	CLASSIFICATION	
14	865c0b89-0d	5f679186-0c	US HTS	25/03/2002	01/01/1900	NYH89611	US	630790	Classificatio	eng	The tariff cla	CLASSIFICATION	
15	865c0b89-0d	5f679186-0c	US HTS	25/03/2002	01/01/1900	NYH89611	US	630790	Classificatio	eng	The applicab	CLASSIFICATION	

Extract Example: The screenshot below illustrates a sample extract output and highlights the key information available to users.

Rulings in child countries

A	B	C	D	E	F	G	H	I	J	K	L	M
BindingRulr	TariffID	TariffSchedu	EffectivityDa	ExpirationDa	BindingRulr	IssueCountr	HSNumber	Description	Culturecode	Description	BindingRulingType	
f31f8883-7fd	37daaa5b-2f	Integrated Ta	17/06/2026	16/06/2029	FRBTIFRBTI2	FR	3918900090	Classification	fre	Règles génér	Classification	
f31f8883-7fd	37daaa5b-2f	Integrated Ta	17/06/2026	16/06/2029	FRBTIFRBTI2	FR	3918900090	Description	fre	Revêtement	Classification	
f31f8883-7fd	37daaa5b-2f	Integrated Ta	17/06/2026	16/06/2029	FRBTIFRBTI2	FR	3918900090	Keywords	eng	OF PLASTICS	Classification	
f31f8883-7fd	37daaa5b-2f	Integrated Ta	17/06/2026	16/06/2029	FRBTIFRBTI2	FR	3918900090	Keywords	eng	AS RECTANG	Classification	
f31f8883-7fd	37daaa5b-2f	Integrated Ta	17/06/2026	16/06/2029	FRBTIFRBTI2	FR	3918900090	Keywords	eng	OF POLYETH	Classification	
f31f8883-7fd	37daaa5b-2f	Integrated Ta	17/06/2026	16/06/2029	FRBTIFRBTI2	FR	3918900090	Keywords	eng	WITH BUMPS	Classification	
f31f8883-7fd	37daaa5b-2f	Integrated Ta	17/06/2026	16/06/2029	FRBTIFRBTI2	FR	3918900090	Keywords	eng	DOOR MATS	Classification	
f31f8883-7fd	37daaa5b-2f	Integrated Ta	17/06/2026	16/06/2029	FRBTIFRBTI2	FR	3918900090	Keywords	eng	FLOOR COV	Classification	
f31f8883-7fd	37daaa5b-2f	Integrated Ta	17/06/2026	16/06/2029	FRBTIFRBTI2	FR	3918900090	Keywords	eng	PERFORATE	Classification	
f31f8883-7fd	37daaa5b-2f	Integrated Ta	17/06/2026	16/06/2029	FRBTIFRBTI2	FR	3918900090	Keywords	eng	FOR OUTDO	Classification	
56a24dce-6f	37daaa5b-2f	Integrated Ta	17/04/2026	16/04/2029	FRBTIFRBTI2	FR	6116108091	Classification	fre	Règles génér	Classification	

Extract Example: The screenshot below illustrates a sample extract output and highlights the key information available to users.

Additional Codes Extract

The Additional Codes extract provides country-specific and regional additional codes that provide more detailed product classification beyond the standard Harmonized Schedule number. These codes are used by customs authorities to refine classifications, manage statistical tracking, and ensure compliance with specific country regulations.

Extract Name: AdditionalCodes

Primary Use Cases

- Determine if an additional code is required for customs declaration of a product
- Identify which additional codes apply to a specific HS number in a country's tariff
- Determine whether an additional code must be appended to the HS number or filed separately
- Identify if an additional code is mandatory or optional for customs filing
- Comply with country-specific or regional customs requirements beyond basic HS classification

Primary Keys

A unique additional code record is identified by the combination of:

TariffID + CountryGroupCode + Number + AdditionalCode uniquely identifies a specific additional code within a tariff schedule for a country.

Core Data Elements

The Additional Codes extract contains the following key fields:

Field Name	Data Type	Definition	Key Characteristics
TariffID	Unique Identifier	Series of characters that uniquely identifies a tariff schedule	References HS Description UOM extract;
TariffSchedule	Varchar(50)	Official name of the tariff schedule	Example: US HTS, EU TARIC, Serbia Customs Tariff

HS Content Extract Overview

CountryGroupCode	Varchar(20)	2-3 digit code for the country applying the additional code	References Country Group Code extract; the country that requires this additional code
Number	Nvarchar(50)	Harmonized Schedule number that the additional code applies to	References HS Description UOM extract; the HS number to which this additional code applies
AdditionalCode	Nvarchar(20)	The additional code value	More detailed description code; provides refinement beyond the HS number
AdditionalCodeType	Nvarchar(100)	Denomination/category assigned by the applicable country	Examples: STATISTICAL CODE, CHECK DIGIT NUMBER, DUTY, ADDITIONAL CODE
CultureCode	Varchar(3)	Language code for the code description	3-digit ISO culture code; multiple records if descriptions in multiple languages
CodeDescription	Nvarchar(max)	Description of the additional code	Full text explaining what the additional code represents; multiple records for different languages
AppendAdditionalCode	Bit (True/False)	Indicates whether code is appended to the HS number or filed separately	True = append to HS number when declaring; False = file separately from HS number
Mandatory	Bit (True/False)	Indicates if the additional code is mandatory or optional	True = mandatory for customs declaration; False = optional

EffectiveDate	Datetime	Date when the additional code goes into effect	Code is active from this date forward
ExpirationDate	Datetime	Date when the additional code expires	Can be a future date, or 1/1/1900 if code has no expiration date

Understanding Appendadditionalcode

The AppendAdditionalCode field determines how the additional code is filed with customs authorities.

Appendadditionalcode = Y (Append to HS Number)

When AppendAdditionalCode is Y, the additional code MUST be appended to the end of the HS Number when declaring to customs.

Example 1: EU TARIC (Germany)

HS Number: 8465109000

Additional Code: 0

AdditionalCodeType: STATISTICAL CODE

Customs Declaration: 84651090000 (HS Number + Additional Code)

Note: Germany (as a child of the EU) requires this statistical code to be appended when declaring under the EU Tariff. See [Appendix C](#) for parent/child tariff relationships.

Example 2: SACU CET (South Africa)

HS Number: 15121190

Additional Code: 4

AdditionalCodeType: CHECK DIGIT NUMBER

Customs Declaration: 151211904 (HS Number + Additional Code)

Appendadditionalcode = N (File Separately)

When AppendAdditionalCode is N, the additional code is filed separately from the HS Number and is NOT appended to it.

Example: Serbia Customs Tariff

HS Number: 0210196000

Additional Code: 01

AdditionalCodeType: ADDITIONAL CODE

Customs Declaration: HS Number (0210196000) filed separately from Additional Code (01)

The additional code is submitted as a separate field or identifier in the customs declaration, not appended to the HS number.

Understanding Mandatory Field

The Mandatory field indicates whether an additional code must be included in all customs declarations for that HS number.

Mandatory = TRUE (Required)

When Mandatory is TRUE, the additional code **MUST** be included in the customs declaration. All shipments of that HS number must include this additional code.

Mandatory = FALSE (Optional)

When Mandatory is FALSE, the additional code is optional and may be included in the customs declaration at the importer's or exporter's discretion, or when applicable based on product characteristics.

Important Operational Characteristics

- Additional Codes will relate to HS Description UOM extract in a one-to-many relationship. TariffID + Number identifies a mapping to the HS Description UOM extract
- Additional Codes can apply at partial HS Numbers (e.g., at the heading, subheading, or fully qualified level)
- Child countries (such as Germany) can require additional codes at the parent tariff level (such as EU). See [Appendix C](#) for parent/child relationships
- There can be multiple additional codes for the same HS number, each with different requirements for appending or filing separately
- There can be multiple records in the extract for the same additional code when different descriptions exist in different languages (CultureCode)
- When an existing additional code is updated and keeps the same EffectiveDate, both an expired version and an active version will be sent in the extract. Your system should remove the old record and replace it with the new one

Data Freshness and Updates

Your initial Additional Codes extract contains only active codes — those currently in effect and required or available for customs declarations.

Each day, the content extractor provides incremental updates reflecting changes to active additional codes. Daily updates may include additions, modifications, and expirations.

Types of Changes in Daily Updates

Changes to Additional Code

- New additional code added — a new additional code becomes active
- Additional code expired — an existing additional code is no longer in effect
- Additional code set to expire in future — expiration date added or updated for an active code
- Description changed — the CodeDescription text is modified

Changes to Applicable HS Numbers

- New HS with additional codes — additional code now applies to a new HS number
- HS removed with additional codes — additional code no longer applies to an existing HS number

Changes to Additional Code Text

- New text added to an additional code — additional descriptive information provided
- New translation for existing additional code — code description provided in a new language

Extract Example:

Additional codes

TariffID	TariffSchedule	CountryGroup	Number	AdditionalCode	AdditionalCode	CultureCode	CodeDescription	AppendAdditional	Mandatory	EffectiveDate	ExpirationDate
b6bb6ade-b4	Serbia Customs Tariff	RS	0201100000	73	ADDITIONAL	eng	calves for im	FALSE	TRUE	02/12/2022	01/01/1900
b6bb6ade-b4	Serbia Customs Tariff	RS	0201100000	73	ADDITIONAL	scc	teleće za uvo	FALSE	TRUE	02/12/2022	01/01/1900
b6bb6ade-b4	Serbia Customs Tariff	RS	0201100000	80	ADDITIONAL	eng	other, except	FALSE	TRUE	02/12/2022	01/01/1900
b6bb6ade-b4	Serbia Customs Tariff	RS	0201100000	04	ADDITIONAL	eng	beef, except	FALSE	TRUE	02/12/2022	01/01/1900
b6bb6ade-b4	Serbia Customs Tariff	RS	0201100000	04	ADDITIONAL	scc	juneće, osim	FALSE	TRUE	02/12/2022	01/01/1900
b6bb6ade-b4	Serbia Customs Tariff	RS	0201300000	02	ADDITIONAL	scc	teleće, osim z	FALSE	TRUE	02/12/2022	01/01/1900
b6bb6ade-b4	Serbia Customs Tariff	RS	0201300000	80	ADDITIONAL	eng	other, except	FALSE	TRUE	02/12/2022	01/01/1900
b6bb6ade-b4	Serbia Customs Tariff	RS	0201300000	05	ADDITIONAL	eng	other, for cou	FALSE	TRUE	02/12/2022	01/01/1900
b6bb6ade-b4	Serbia Customs Tariff	RS	0201300000	05	ADDITIONAL	scc	ostalo, za ze	FALSE	TRUE	02/12/2022	01/01/1900
b6bb6ade-b4	Serbia Customs Tariff	RS	0201300000	01	ADDITIONAL	eng	calves, for co	FALSE	TRUE	02/12/2022	01/01/1900
b6bb6ade-b4	Serbia Customs Tariff	RS	0201300000	01	ADDITIONAL	scc	teleće, za ze	FALSE	TRUE	02/12/2022	01/01/1900
b6bb6ade-b4	Serbia Customs Tariff	RS	0201300000	79	ADDITIONAL	eng	other, for im	FALSE	TRUE	02/12/2022	01/01/1900
b6bb6ade-b4	Serbia Customs Tariff	RS	0201300000	79	ADDITIONAL	scc	ostalo, za uvo	FALSE	TRUE	02/12/2022	01/01/1900
b6bb6ade-b4	Serbia Customs Tariff	RS	0201300000	03	ADDITIONAL	eng	beef, for cou	FALSE	TRUE	02/12/2022	01/01/1900
b6bb6ade-b4	Serbia Customs Tariff	RS	0201300000	03	ADDITIONAL	scc	juneće, za ze	FALSE	TRUE	02/12/2022	01/01/1900
b6bb6ade-b4	Serbia Customs Tariff	RS	0201300000	73	ADDITIONAL	eng	calves, for in	FALSE	TRUE	02/12/2022	01/01/1900

Extract Example: The screenshot below illustrates a sample extract output and highlights the key information available to users.

Additional codes in child countries

TariffID	TariffSchedule	CountryGroup	Number	AdditionalC	AdditionalC	CultureCode	CodeDescrip	AppendAdd	Mandatory	EffectiveDate	ExpirationDate
37daaa5b-2f	Integrated Tariff of European Community	DE	8449000000	0	STATISTICAL	ger	Maschinen u	TRUE	TRUE	01/01/1972	01/01/1900
37daaa5b-2f	Integrated Tariff of European Community	DE	8401200000	0	STATISTICAL	ger	Maschinen u	TRUE	TRUE	01/01/1972	01/01/1900
37daaa5b-2f	Integrated Tariff of European Community	DE	8401200000	3LLB	EXPORT DOC	ger	Description:	FALSE	TRUE	28/05/2026	01/01/1900
37daaa5b-2f	Integrated Tariff of European Community	DE	8401100000	0	STATISTICAL	ger	Kernreaktore	TRUE	TRUE	01/01/1972	01/01/1900
37daaa5b-2f	Integrated Tariff of European Community	DE	8401200000	3LLC	DOCUMENT	ger	Description:	FALSE	TRUE	28/05/2026	01/01/1900
37daaa5b-2f	Integrated Tariff of European Community	DE	8401200000	3LNA	EXPORT DOC	ger	Description:	FALSE	TRUE	28/05/2026	01/01/1900
37daaa5b-2f	Integrated Tariff of European Community	DE	8401100000	3LLC	DOCUMENT	ger	Description:	FALSE	TRUE	28/05/2026	01/01/1900
37daaa5b-2f	Integrated Tariff of European Community	DE	8401300080	3LLB	EXPORT DOC	ger	Description:	FALSE	TRUE	28/05/2026	01/01/1900
37daaa5b-2f	Integrated Tariff of European Community	DE	8401400010	C052	DOCUMENT	ger	Export - Desc	FALSE	TRUE	01/09/2022	01/01/1900
37daaa5b-2f	Integrated Tariff of European Community	DE	8401300080	0	STATISTICAL	ger	andere	TRUE	TRUE	01/01/2006	01/01/1900
37daaa5b-2f	Integrated Tariff of European Community	DE	8401300020	3LNA	EXPORT DOC	ger	Description:	FALSE	TRUE	28/05/2026	01/01/1900
37daaa5b-2f	Integrated Tariff of European Community	DE	8401400010	3LNA	EXPORT DOC	ger	Description:	FALSE	TRUE	28/05/2026	01/01/1900
37daaa5b-2f	Integrated Tariff of European Community	DE	8401400010	3LLB	EXPORT DOC	ger	Description:	FALSE	TRUE	28/05/2026	01/01/1900
37daaa5b-2f	Integrated Tariff of European Community	DE	8401400010	3LLC	DOCUMENT	ger	Description:	FALSE	TRUE	28/05/2026	01/01/1900
37daaa5b-2f	Integrated Tariff of European Community	DE	8401100000	3LNA	EXPORT DOC	ger	Description:	FALSE	TRUE	28/05/2026	01/01/1900
37daaa5b-2f	Integrated Tariff of European Community	DE	8401300020	3LLB	EXPORT DOC	ger	Description:	FALSE	TRUE	28/05/2026	01/01/1900
37daaa5b-2f	Integrated Tariff of European Community	DE	8401300080	3LNA	EXPORT DOC	ger	Description:	FALSE	TRUE	28/05/2026	01/01/1900

Extract Example: The screenshot below illustrates a sample extract output and highlights the key information available to users.

Tariff Changes Manager Extract

The Tariff Changes Manager extract provides a historical record of tariff changes and transitions. This extract tracks when HS Numbers are modified, replaced, or deprecated, and documents the nature of changes including WCO updates and regulatory source changes.

Extract Name: TariffChanges

Primary Use Cases

- Track historical changes to HS Numbers over time
- Identify when an HS number has been replaced and what the replacement is
- Determine if a change resulted from a WCO (World Customs Organization) update
- Maintain audit trails of tariff classification changes for compliance
- Migrate legacy HS Numbers to current classifications
- Understand the regulatory source and reason for tariff changes

Data Retention and Availability

Record availability varies by tariff schedule:

Global HS records are generally retained in line with the five-year WCO update cycle. However, records related to the WCO 2022 amendment cycle will remain available through 2027, as WCO 2022 remains in force until the next amendment cycle takes effect in 2028.

All Other Tariffs — Records are only available for 6 months in the past and 6 months in the future from the date of change

Primary Keys

A unique tariff change record is identified by the combination of:

TariffID + ImpactedHS + ChangeDate + DetailType uniquely identifies a specific tariff change record.

Core Data Elements

The Tariff Changes Manager extract contains the following key fields:

Field Name	Data Type	Definition	Key Characteristics
TariffID	Unique Identifier	Unique ID for the applicable tariff schedule	References HS Description UOM extract; identifies the tariff in which the change occurred
TariffSchedule	Varchar(50)	Tariff Schedule Name	Example: US HTS, EU TARIC, Global HS
Country Code	Varchar(20)	Country Code or Country Group code to which the tariff schedule belongs	References Country Group Code extract
WCOApplyDate	Datetime	Date change applied from WCO, if applicable	Populated when change originates from World Customs Organization update
WCOUpdateType	Varchar(1)	Update type from WCO	F = Tariff Fully Follows latest WCO Update; P = Some subheadings not part of latest WCO update
ChangeType	Varchar(50)	Note indicating nature of change	Examples: Classification Change, Tariff Split, Tariff Consolidated, New Subheading

ImpactedHS	Varchar(50)	Base HS number impacted by the change	References HS Description UOM.Number extract; the original HS number affected
Source	Varchar(10)	Regulatory source for update	Examples: WCO, EU, US Legislation, Trade Agreement
ChangeDate	Datetime	Date change applied from regulatory source	The effective date of the tariff change
ReplacementHS	Varchar(50)	New HS number for replacement, or 'unavailable'	References HS Description UOM.Number extract; 'unavailable' indicates no replacement HS with same heading/subheading exists
CultureCode	Varchar(3)	Language code for the detail note	3-digit ISO culture code; multiple records for multiple languages
DetailType	Nvarchar(40)	Detail type indicator	Examples: Description, Reference Note, Impact Summary
DetailNote	Nvarchar(max)	Detailed explanation of the change	Full text describing the tariff change and its implications

Understanding the Source Field

The Source field indicates the regulatory source that issued the tariff change.

Source = WCO

Used when a change originates from a World Customs Organization amendment. If a tariff does not publish its own correlation table, tariff-specific correlations may be aligned with the WCO correlation tables.

Source = Country/Regional Code

The change originated from a specific country or regional regulatory source. Examples: US Legislation, EU, Canada, Mexico. These changes may be country-specific tariff updates, trade agreement implementations, or regulatory amendments.

Source = Tariff

Used when a tariff update does not provide a correlation table. In such cases, the correlations may be system-generated based on 6 digit matching logic between expired and replacement HS codes.

Understanding Changetype Values

The ChangeType field describes the nature of the tariff change. The following change types are used in the extract:

ChangeType	Description
Changed description	The product description for an HS number has been modified or clarified
Expired HS	A fully qualified HS number is no longer active and has expired
Expired Subheading	A subheading level HS number is no longer active
New HS Codes	New HS Numbers have been added to the tariff
New Subheadings Added	New subheading level classifications have been introduced
Section 232	Change related to US Section 232 trade action (steel/aluminum tariffs or similar national security measures)
Section 301	Change related to US Section 301 trade action (intellectual property or technology-related tariffs)
Updated Chapter	An entire HS chapter has been updated
Updated HS	An existing HS number has been modified
Updated subheading	A subheading level classification has been updated

Understanding Wcoupatetype

The WCOUpdateType field indicates how closely the tariff follows the World Customs Organization's latest update.

Wcoupatetype = F (Fully Follows)

The tariff schedule fully follows the latest WCO update. All subheadings and classifications align with the most recent WCO recommendation.

Wcoupatetype = P (Partial)

There are some subheadings in the tariff that are not part of the latest WCO update. The tariff has retained or modified certain classifications that deviate from the WCO standard.

Understanding Replacements

The ReplacementHS field indicates what HS number should be used after a tariff change.

Replacements Contains a New HS Number

A valid replacement HS number is provided. Products previously classified under ImpactedHS should now be classified under the ReplacementHS. This field references the HS Description UOM.Number field.

Replacements = 'Unavailable'

No suitable replacement HS number exists. This occurs when an HS number is deprecated and there is no new HS number with the same heading or subheading. This May indicate that the product category has been eliminated from the tariff or consolidated into a different classification entirely.

Important Operational Characteristics

- Tariff Changes will relate to HS Description UOM extract through TariffID, ImpactedHS (Number), and ReplacementHS (Number)
- Country Code references Country Group Code extract
- There can be multiple records for the same tariff change when different detail types exist (description, reference note, impact summary, etc.)
- There can be multiple records in the extract when the same change has descriptions in different languages (CultureCode)
- Data retention depends on tariff type — Global HS has 5-year history; all other tariffs have 6-month look-back and look-forward
- Changes can originate from multiple sources: WCO updates, regional/country regulations, or trade agreements
- DetailNote provides important context about the change impact and classification guidance

Data Freshness and Updates

The Tariff Changes Manager extract is updated as tariff changes occur from regulatory sources and WCO updates.

New changes are added as they become effective. Historical records are retained according to the data retention periods specified above.

Using Tariff Changes for Classification Migration

When an HS number changes, use the Tariff Changes Manager extract to identify the replacement:

1. Locate the ImpactedHS (the old HS number you need to migrate)
2. Find the ChangeDate to understand when the change occurred
3. Check ReplacementHS for the new HS number to use
4. Review DetailNote for any classification guidance or conditions
5. If ReplacementHS = 'unavailable', investigate further with regulatory sources as the product classification may have been discontinued or consolidated

For Global HS, you can reference 5 years of history. For other tariffs, maintain your own records beyond the 6-month retention window for historical compliance documentation.

Extract Example:**Tariff Changes Manager**

	A	B	C	D	E	F	G	H	I	J	K	L	M
	TariffID	TariffSchedule	CountryCode	WCOApplyD	WCOUpdate	ChangeType	ImpactedHS	Source	ChangeDate	Replacemen	CultureCode	DetailType	DetailNote
2	37DAAA5B-2	Integrated Tariff of Europea	EUG	01/01/2022	F	Expired HS	7019630019	Tariff	08/08/2026	7019630083	eng	HSDescriptio	GLASS AND GLASSWA
3	37DAAA5B-2	Integrated Tariff of Europea	EUG	01/01/2022	F	Expired HS	7019630019	Tariff	08/08/2026	7019630083	eng	HSDescriptio	Other
4	37DAAA5B-2	Integrated Tariff of Europea	EUG	01/01/2022	F	Expired HS	0207455100	Tariff	09/07/2026	0207456190	eng	HSDescriptio	MEAT AND EDIBLE M
5	37DAAA5B-2	Integrated Tariff of Europea	EUG	01/01/2022	F	Expired HS	0207455100	Tariff	09/07/2026	0207456190	eng	HSDescriptio	Breasts and cuts ther
6	37DAAA5B-2	Integrated Tariff of Europea	EUG	01/01/2022	F	Expired HS	2930909522	Tariff	24/06/2026	2930909540	dan	HSDescriptio	ORGANISKE KEMIKAL
7	37DAAA5B-2	Integrated Tariff of Europea	EUG	01/01/2022	F	Expired HS	2930909522	Tariff	24/06/2026	2930909540	ita	HSDescriptio	PRODOTTI CHIMICI C
8	37DAAA5B-2	Integrated Tariff of Europea	EUG	01/01/2022	F	Expired HS	2930909522	Tariff	24/06/2026	2930909540	por	HSDescriptio	PRODUTOS QUÍMICOS
9	37DAAA5B-2	Integrated Tariff of Europea	EUG	01/01/2022	F	Expired HS	2930909522	Tariff	24/06/2026	2930909540	slo	HSDescriptio	ORGANIKÉ KEMIKA
0	37DAAA5B-2	Integrated Tariff of Europea	EUG	01/01/2022	F	Expired HS	2930909522	Tariff	24/06/2026	2930909540	est	HSDescriptio	ORGAANILISED KEMI
1	37DAAA5B-2	Integrated Tariff of Europea	EUG	01/01/2022	F	Expired HS	2930909522	Tariff	24/06/2026	2930909540	pol	HSDescriptio	CHEMIKALIA ORGAN
2	37DAAA5B-2	Integrated Tariff of Europea	EUG	01/01/2022	F	Expired HS	2930909522	Tariff	24/06/2026	2930909540	gre	HSDescriptio	OPFANIKA XHMIKA Π
3	37DAAA5B-2	Integrated Tariff of Europea	EUG	01/01/2022	F	Expired HS	2930909522	Tariff	24/06/2026	2930909540	fin	HSDescriptio	ORGAANISET KEMIAI
4	37DAAA5B-2	Integrated Tariff of Europea	EUG	01/01/2022	F	Expired HS	3204170032	Tariff	24/06/2026	3204170026	spa	HSDescriptio	EXTRACTOS CURTIEN
5	37DAAA5B-2	Integrated Tariff of Europea	EUG	01/01/2022	F	Expired HS	3204170032	Tariff	24/06/2026	3204170026	scr	HSDescriptio	EKSTRAKTI ZA ŠTAVLJ
6	37DAAA5B-2	Integrated Tariff of Europea	EUG	01/01/2022	F	Expired HS	3204170032	Tariff	24/06/2026	3204170026	ita	HSDescriptio	ESTRATTI PER CONCI
7	37DAAA5B-2	Integrated Tariff of Europea	EUG	01/01/2022	F	Expired HS	3204170032	Tariff	24/06/2026	3204170026	ger	HSDescriptio	GERB- UND FARBSTO
8	37DAAA5B-2	Integrated Tariff of Europea	EUG	01/01/2022	F	Expired HS	3204170032	Tariff	24/06/2026	3204170026	eng	HSDescriptio	TANNING OR DYEING
9	37DAAA5B-2	Integrated Tariff of Europea	EUG	01/01/2022	F	Expired HS	3204170032	Tariff	24/06/2026	3204170026	lit	HSDescriptio	RAUGINIMO ARBA D
0	37DAAA5B-2	Integrated Tariff of Europea	EUG	01/01/2022	F	Expired HS	3204170032	Tariff	24/06/2026	3204170026	dan	HSDescriptio	GARVE- OG FARVEST

Extract Example: The screenshot below illustrates a sample extract output and highlights the key information available to users

Appendix A: Extract Relationships and Mappings

The HS Content Extracts are designed to work together to provide a comprehensive view of tariff classifications, rates, controls, and regulatory requirements. This appendix documents the field mappings between extracts, allowing you to join and cross-reference data across the complete dataset.

Appendix A: Extract Relationships and Mappings

The following table documents how each extract relates to others through field mappings.

Source Extract	Source Field	Reference Extract	Reference Field
Country Group Code	CountryCode	HS Description UOM	CountryCode
Charges	TariffID + HSNumber	HS Description UOM	TariffID + HSNumber
Charges	ImportGroupCode	Country Group Code	CountryGroupCode
Charges	ExportGroupCode	Country Group Code	CountryGroupCode
Rulings	TariffID + HSNumber	HS Description UOM	TariffID + HSNumber
Related Controls	TariffID + Number	HS Description UOM	TariffID + HSNumber
Rulings	IssueCountry	Country Group Code	CountryGroupCode
Related Controls	ControlCountry	Country Group Code	CountryGroupCode
Related Controls	ApplicableCountryCode	Country Group Code	CountryGroupCode
Additional Codes	TariffID + Number	HS Description UOM	TariffID + HSNumber
Additional Codes	CountryGroupCode	Country Group Code	CountryGroupCode
Tariff Changes Manager	TariffID	HS Description UOM	TariffID
Tariff Changes Manager	ImpactedHS	HS Description UOM	Number
Tariff Changes Manager	ReplacementHS	HS Description UOM	Number
Tariff Changes Manager	Country Code	Country Group Code	CountryGroupCode

Appendix B: Formula Type Code Reference

This appendix provides a comprehensive reference of all 31 active formula types used in the Charges extract, listed in alphabetical order for easy reference. Each formula type includes a description of the rate, an example of how it's used, and a breakdown of the rate components in the table below.

AAAL

Ad Valorem, Ad Valorem, Ad Valorem with lesser rate applied

Rate Description: Three ad valorem percentage rates where the lowest rate is applied. Clients select the most favorable percentage.

Example: Comparison of three different ad valorem rates (10%, 8%, 6%) where the lesser 6% rate applies

RateType	RateMath	Rate	RateUOM	RateUOMAmount
A	+	.10		0
B	+	.08		0
C	+	.06		0

AAL

Ad Valorem, Ad Valorem where lesser rate is paid

Rate Description: Two ad valorem percentage rates where the lesser is applied. The lower percentage duty is assessed.

Example: Lesser of two rates (15% or 10%) — the 10% rate applies

RateType	RateMath	Rate	RateUOM	RateUOMAmount
A	+	.15		0
B	+	.10		0

AAO

Choice between two ad valorem rates

Rate Description: Two ad valorem percentage rates where either one applies. Tariff rules or importer classification determine which percentage is used — the rates are not combined or compared for highest/lowest.

RateType	RateMath	Rate	RateUOM	RateUOMAmount
A	+	.15		0
B	+	.45		0

AASG

Ad Valorem, Ad Valorem, Specific where greater rate is paid

Rate Description: Two ad valorem rates and one specific rate where the greatest amount applies. Whichever results in the highest charge is used.

Example: Greater of 5%, 3%, or \$2/KG — whichever is highest

RateType	RateMath	Rate	RateUOM	RateUOMAmount
A	+	.05		0
B	+	.03		0
C	+	2	KG	1

AASL

Ad Valorem, Ad Valorem, Specific with lesser rate applied

Rate Description: Two ad valorem rates and one specific rate where the lesser amount applies. The lowest charge among the three is assessed.

Example: Lesser of 8%, 5%, or \$1/KG — whichever is lowest

RateType	RateMath	Rate	RateUOM	RateUOMAmount
A	+	.08		0
B	+	.05		0
C	+	1	KG	1

ASAMO

Ad Valorem, Specific, Ad Valorem with minimum and maximum rates

Rate Description: Ad valorem, specific per unit, then ad valorem with minimum and maximum boundaries applied.

Example: 12% ad valorem + \$0.50/KG + 8% (with floor and ceiling limits)

RateType	RateMath	Rate	RateUOM	RateUOMAmount
A	+	.12		0
B	+	.50	KG	1
C	+	.08		0

ASAMO

Ad Valorem, Specific, Ad Valorem, where the ad valorem rate is paid, or the specific rate minus the second ad valorem rate is paid.

Rate Description: Either a flat ad valorem rate applies, or the result of a specific per-unit rate minus a second ad valorem rate applies — whichever the tariff line specifies.

Example: 10% or \$0.55/KG less 90%

RateType	RateMath	Rate	RateUOM	RateUOMAmount
A	+	.10		0
B	+	.55	KG	1
C	-	.90		0

ASG

Ad Valorem, Specific where greater rate is paid

Rate Description: Comparison of an ad valorem percentage and a specific per-unit charge where the greater amount applies.

Example: Greater of 4% or \$24/sq. metre — whichever is higher

RateType	RateMath	Rate	RateUOM	RateUOMAmount
A	+	.04		0
B	+	24	sq. metre	1

ASL

Ad Valorem, Specific where lesser rate is paid

Rate Description: Comparison of percentage and per-unit charges where the lower amount applies.

Example: Lesser of 6% or \$1.50/KG — whichever is lower

RateType	RateMath	Rate	RateUOM	RateUOMAmount
A	+	.06		0
B	+	1.50	KG	1

ASO

Choice between ad valorem and specific rates

Rate Description: Either ad valorem or specific rate applies. The importer or tariff rules determine which applies.

Example: Either 9% or \$3/unit

RateType	RateMath	Rate	RateUOM	RateUOMAmount
A	+	.09		0
B	+	3	unit	1

ASSG

Ad Valorem, Specific, Specific where greater rate is paid

Rate Description: One ad valorem rate plus two specific per-unit charges where the greatest amount applies.

Example: Greater of 7%, \$0.75/KG, or \$1/unit

RateType	RateMath	Rate	RateUOM	RateUOMAmount
A	+	.07		0
B	+	.75	KG	1
C	+	1	unit	1

ASSLG

Ad Valorem, Specific, Specific with minimum and maximum rates

Rate Description: Ad valorem plus two specific rates with minimum and maximum boundaries applied.

Example: 5% + \$0.25/KG + \$0.50/unit (with maximum \$2 total charge)

RateType	RateMath	Rate	RateUOM	RateUOMAmount
A	+	.05		0
B	+	.25	KG	1
C	+	.50	unit	1

ASSLG

Example: 8.90 % MIN \$17.60/ 100 kg MAX \$19.20 / 100 kg

RateType	RateMath	Rate	RateUOM	RateUOMAmount
A	+	.089		0
B	+	19.20	KG	100
C	+	17.60	KG	100

MINUS

Subtraction of ad valorem rate from a specific rate

Rate Description: A specific per-unit rate minus a percentage of the merchandise value.

Example: \$1.22/KG minus 5% of the product value

RateType	RateMath	Rate	RateUOM	RateUOMAmount
A	+	1.22	KG	1

B	-	.05		0
---	---	-----	--	---

MINUSAD

Subtraction of specific rate from an ad valorem rate

Rate Description: An ad valorem percentage minus a specific per-unit charge.

Example: 8% of value minus \$0.50/KG

RateType	RateMath	Rate	RateUOM	RateUOMAmount
A	+	.08		0
B	-	.50	KG	1

NOTE

Formula too complex for standard representation

Rate Description: The charge calculation is too complex or has too many conditions for standard formula representation. See Note field for detailed calculation method.

Example: Multi-step calculation with conditional logic — full details provided in charge note

RateType	RateMath	Rate	RateUOM	RateUOMAmount
N/A	N/A	See Note field	N/A	N/A

PERCENTAGE

Percentage-based charge

Rate Description: Ad valorem duty calculated as a percentage of the merchandise value. Most commonly used formula type.

Example: 5% ad valorem duty

RateType	RateMath	Rate	RateUOM	RateUOMAmount
A	+	.05		0

PERTRANS

Per transaction charge

Rate Description: Fixed fee applied per customs entry or transaction, regardless of quantity or value.

Example: \$25 per customs transaction

RateType	RateMath	Rate	RateUOM	RateUOMAmount
A	+	25	per transaction	

PERUNIT

Per unit charge

Rate Description: Fixed amount charged for each unit of measure in the shipment.

Example: \$10 per kilogram

RateType	RateMath	Rate	RateUOM	RateUOMAmount
A	+	10	KG	1

PLUS

Percentage plus per-unit charge combined

Rate Description: Ad valorem rate added to a specific per-unit charge. Both components are combined for total duty.

Example: 5% ad valorem + \$10/KG

RateType	RateMath	Rate	RateUOM	RateUOMAmount
A	+	.05		0
B	+	10	KG	1

PLUSAD

Two ad valorem rates combined

Rate Description: Two ad valorem percentage rates combined into a single duty. Both percentages are applied against the merchandise value and added together for the total charge.

Example: 5% + 2.5%

RateType	RateMath	Rate	RateUOM	RateUOMAmount
A	+	.05		0
B	+	.025		0

PLUSASPEC

Ad Valorem plus two specific rates

Rate Description: An ad valorem percentage combined with two specific per-unit charges.

Example: 4% ad valorem + \$0.50/KG + \$1/unit

RateType	RateMath	Rate	RateUOM	RateUOMAmount
A	+	.04		0
B	+	.50	KG	1
C	+	1	unit	1

PLUSAVAL

Percentage rate plus additional charge

Rate Description: Two ad valorem percentage rates added together.

Example: 6% base duty + 2% additional duty

RateType	RateMath	Rate	RateUOM	RateUOMAmount
A	+	.06		0
B	+	.02		0

PLUSAVAL

Rate Description: This is an addition of a percentage plus a specific value without Unit of Measurement

Example: 6% base duty + \$2

RateType	RateMath	Rate	RateUOM	RateUOMAmount
A	+	.06		0
B	+	2		0

PLUSSPECIF

Two specific rates combined

Rate Description: Two per-unit charges added together for total duty.

Example: \$3.10/liter + \$22.10/pf. liter

RateType	RateMath	Rate	RateUOM	RateUOMAmount
A	+	3.10	liter	1
B	+	22.10	pf. liter	1

PLUSPECMP

Two specific rates plus one ad valorem

Rate Description: Two specific per-unit charges combined with one ad valorem percentage.

Example: \$0.36 each + 5.6% value + \$0.02/jewel

RateType	RateMath	Rate	RateUOM	RateUOMAmount
A	+	.056		0
B	+	.36	each	1
C	+	.02	jewel	1

SAALG

Specific, Ad Valorem, Ad Valorem with min/max

Rate Description: Specific per-unit rate plus two ad valorem rates with minimum and maximum boundaries.

Example: \$0.50/unit + Max(5%, 3%) with limits

RateType	RateMath	Rate	RateUOM	RateUOMAmount
A	+	.50	unit	1
B	+	.05		0
C	+	.03		0

SASG

Specific, Ad Valorem, Specific where greater applies

Rate Description: Mix of specific and ad valorem rates where the greatest amount is selected.

Example: Greater of \$1/KG, 7%, or \$0.75/unit

RateType	RateMath	Rate	RateUOM	RateUOMAmount
A	+	1	KG	1
B	+	.07		0
C	+	.75	unit	1

SASL

Specific, Ad Valorem, Specific with lesser rate

Rate Description: Mix of specific and ad valorem rates where the least amount applies.

Example: Lesser of \$2/KG, 10%, or \$1.50/unit

RateType	RateMath	Rate	RateUOM	RateUOMAmount
A	+	2	KG	1
B	+	.10		0
C	+	1.50	unit	1

SSG

Two specific rates where greater applies

Rate Description: Comparison of two per-unit charges where the greater amount is assessed.

Example: Greater of \$1/KG or \$5/100 units

RateType	RateMath	Rate	RateUOM	RateUOMAmount
----------	----------	------	---------	---------------

A	+	1	KG	1
B	+	5	per 100	100

SSL

Two specific rates where lesser applies

Rate Description: Comparison of two per-unit charges where the lower amount is assessed.

Example: Lesser of \$2.50/KG or \$0.17/unit

RateType	RateMath	Rate	RateUOM	RateUOMAmount
A	+	2.50	KG	1
B	+	.17	unit	1

SSO

Choice between two specific rates

Rate Description: Either one specific rate or another applies. Rules or importer choice determines which.

Example: Either \$1/KG or \$5/piece

RateType	RateMath	Rate	RateUOM	RateUOMAmount
A	+	1	KG	1
B	+	5	piece	1

SSSG

Three specific rates where greater applies

Rate Description: Comparison of three per-unit charges where the greatest is selected.

Example: Greater of \$1/KG, \$5/100KG, or \$0.15/unit

RateType	RateMath	Rate	RateUOM	RateUOMAmount
A	+	1	KG	1
B	+	5	per 100KG	100
C	+	.15	unit	1

SSSL

Three specific rates with lesser applied

Rate Description: Comparison of three per-unit charges where the lowest is selected.

Example: Lesser of \$2.50/KG, \$0.017/unit, or \$1/100 unit

RateType	RateMath	Rate	RateUOM	RateUOMAmount
----------	----------	------	---------	---------------

A	+	2.50	KG	1
B	+	.017	unit	1
C	+	1	per 100	100

SSSLG

Three specific rates with minimum and maximum boundaries

Rate Description: A specific per-unit base rate, bounded by two additional specific rates — one acting as a maximum ceiling, the other as a minimum floor. If the base rate exceeds the maximum, the maximum applies instead; if it falls below the minimum, the minimum applies instead; otherwise the base rate applies.

Example: \$0.01/Kilogram, MAX \$3,000.00/shipment, MIN \$400.00/shipment

RateType	RateMath	Rate	RateUOM	RateUOMAmount
A	+	.01	Kilogram	1
B	+	3000.00	shipment	1
C	+	400.00	shipment	1

THRSPECIF

Three specific rates combined

Rate Description: Three per-unit charges added together for total duty.

Example: \$0.38143/L gasoline + \$0.38143/L ethanol + \$0.38143/L other substances

RateType	RateMath	Rate	RateUOM	RateUOMAmount
A	+	.38143	L gasoline	1
B	+	.38143	L ethanol	1
C	+	.38143	L other	1

VALUE

Fixed fee or value

Rate Description: Fixed monetary amount applied as charge, independent of merchandise price or quantity.

Example: Fixed fee of 0.00 SEK per entry

RateType	RateMath	Rate	RateUOM	RateUOMAmount
A	+	0.00	SEK	

Appendix C: Parent/Child Tariff Schedule Reference

This appendix provides a comprehensive reference of all parent and child tariff schedule relationships in the HS Content Extracts. Child countries inherit tariff classifications and regulations from their parent tariff schedule.

Parent/Child Tariff Schedule Mappings

Child Tariff	Country Code	Parent Tariff Schedule
Akrotiri and Dhekelia	XN	European Union (EUG)
Aland Islands	AX	European Union (EUG)
Armenia	AM	Eurasian Economic Union (EAEU)
Austria	AT	European Union (EUG)
Belarus	BY	Eurasian Economic Union (EAEU)
Belgium	BE	European Union (EUG)
Benin	BJ	ECOWAS
Botswana	BW	Southern African Customs Union (SACU)
Bulgaria	BG	European Union (EUG)
Burkina Faso	BF	ECOWAS
Burundi	BI	East African Community (EAC)
Canary Islands	IC	European Union (EUG)
Croatia	HR	European Union (EUG)
Cyprus	CY	European Union (EUG)
Czech Republic	CZ	European Union (EUG)
Denmark	DK	European Union (EUG)
Djibouti	DJ	COMESA
Estonia	EE	European Union (EUG)
Eswatini	SZ	Southern African Customs Union (SACU)
Finland	FI	European Union (EUG)
France	FR	European Union (EUG)

French Guiana	GF	European Union (EUG)
Gabon	GA	CEMAC
Gambia	GM	ECOWAS
Germany	DE	European Union (EUG)
Ghana	GH	ECOWAS
Greece	GR	European Union (EUG)
Guadeloupe	GP	European Union (EUG)
Guinea	GN	ECOWAS
Guinea-Bissau	GW	ECOWAS
Hungary	HU	European Union (EUG)
Ireland	IE	European Union (EUG)
Italy	IT	European Union (EUG)
Kazakhstan	KZ	Eurasian Economic Union (EAEU)
Kyrgyzstan	KG	Eurasian Economic Union (EAEU)
Latvia	LV	European Union (EUG)
Lesotho	LS	Southern African Customs Union (SACU)
Liberia	LR	ECOWAS
Lithuania	LT	European Union (EUG)
Luxembourg	LU	European Union (EUG)
Malta	MT	European Union (EUG)
Martinique	MQ	European Union (EUG)
Mayotte	YT	European Union (EUG)
Netherlands	NL	European Union (EUG)
Niger	NE	ECOWAS
Poland	PL	European Union (EUG)
Portugal	PT	European Union (EUG)
Republic of Congo	CG	CEMAC

Reunion	RE	European Union (EUG)
Romania	RO	European Union (EUG)
Russia	RU	Eurasian Economic Union (EAEU)
San Marino	SM	European Union (EUG)
Senegal	SN	ECOWAS
Sierra Leone	SL	ECOWAS
Slovakia	SK	European Union (EUG)
Slovenia	SI	European Union (EUG)
Spain	ES	European Union (EUG)
Sweden	SE	European Union (EUG)
Togo	TG	ECOWAS
United Kingdom (Northern Ireland)	XI	European Union (EUG)
Namibia	NA	Southern African Customs Union (SACU)
South Africa	ZA	Southern African Customs Union (SACU)
Nigeria	NG	ECOWAS
Chad	TD	CEMAC
Equatorial Guinea	GQ	CEMAC
Cameroon	CM	CEMAC
Central Africa	CF	CEMAC
Kenya	KE	East African Community (EAC)
Rwanda	RW	East African Community (EAC)
Uganda	UG	East African Community (EAC)
Tanzania	TZ	East African Community (EAC)
Switzerland	CH	Switzerland – Liechtenstein (LICH)
Liechtenstein	LI	Switzerland – Liechtenstein (LICH)
Monaco	MC	European Union (EUG)

Jersey	JE	United Kingdom (GB)
Isle of Man	IM	United Kingdom (GB)