```python
import itertools
from collections import namedtuple, Iterable
from enum import unique, IntFlag
from ubl.business_document.components.ccts import BusinessDocument
from ubl.business_document.components.ccts import CodeType, AmountType, \
    BinaryObjectType, AssociatedBusinessEntity, DateTimeType, NumericType, \
    TextType, MeasureType, QuantityType, IdentifierType, IndicatorType, NameType
from ubl.business_processes import ProcessRegistry


@unique
class BIERegistry(IntFlag):
    """
    List of the Business Information Elements (BIE) as defined in UBL 2.1
    """
    ACCEPTED_INDICATOR = 1
    ACCEPTED_VARIANTS_DESCRIPTION = 2
    ACCOUNT_FORMAT_CODE = 3
    ACCOUNT_ID = 4
    ACCOUNT_TYPE_CODE = 5
    ACCOUNTING_COST = 6
    ACCOUNTING_COST_CODE = 7
    ACTION_CODE = 8
    ACTIVITY_TYPE = 9
    ACTIVITY_TYPE_CODE = 10
    ACTUAL_DELIVERY_DATE = 11
    ACTUAL_DELIVERY_TIME = 12
    ACTUAL_DESPATCH_DATE = 13
    ACTUAL_DESPATCH_TIME = 14
    ACTUAL_PICKUP_DATE = 15
    ACTUAL_PICKUP_TIME = 16
    ACTUAL_TEMPERATURE_REDUCTION_QUANTITY = 17
    AD_VALOREM_INDICATOR = 18
    ADDITIONAL_ACCOUNT_ID = 19
    ADDITIONAL_CONDITIONS = 20
    ADDITIONAL_INFORMATION = 21
    ADDITIONAL_STREET_NAME = 22
    ADDRESS_FORMAT_CODE = 23
    ADDRESS_TYPE_CODE = 24
    ADJUSTMENT_REASON_CODE = 25
    ADMISSION_CODE = 26
    ADVERTISEMENT_AMOUNT = 27
    AGENCY_ID = 28
    AGENCY_NAME = 29
    AIR_FLOW_PERCENT = 30
    AIRCRAFT_ID = 31
    ALIAS_NAME = 32
    ALLOWANCE_CHARGE_REASON = 33
    ALLOWANCE_CHARGE_REASON_CODE = 34
    ALLOWANCE_TOTAL_AMOUNT = 35
    ALTITUDE_MEASURE = 36
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AMOUNT = 37
AMOUNT_RATE = 38
ANIMAL_FOOD_APPROVED_INDICATOR = 39
ANIMAL_FOOD_INDICATOR = 40
ANNUAL_AVERAGE_AMOUNT = 41
APPLICATION_STATUS_CODE = 42
APPROVAL_DATE = 43
APPROVAL_STATUS = 44
ATTRIBUTE_ID = 45
AUCTION_CONSTRAINT_INDICATOR = 46
AUCTION_URI = 47
AVAILABILITY_DATE = 48
AVAILABILITY_STATUS_CODE = 49
AVERAGE_AMOUNT = 50
AVERAGE_SUBSEQUENT_CONTRACT_AMOUNT = 51
AWARD_DATE = 52
AWARD_TIME = 53
AWARDING_CRITERION_DESCRIPTION = 54
AWARDING_CRITERION_ID = 55
AWARDING_CRITERION_TYPE_CODE = 56
AWARDING_METHOD_TYPE_CODE = 57
BACK_ORDER_ALLOWED_INDICATOR = 58
BACKORDER_QUANTITY = 59
BACKORDER_REASON = 60
BALANCE_AMOUNT = 61
BALANCE_BROUGHT_FORWARD_INDICATOR = 62
BARCODE_SYMBOLOGY_ID = 63
BASE_AMOUNT = 64
BASE_QUANTITY = 65
BASE_UNIT_MEASURE = 66
BASED_ON_CONSENSUS_INDICATOR = 67
BASIC_CONSUMED_QUANTITY = 68
BATCH_QUANTITY = 69
BEST_BEFORE_DATE = 70
BINDING_ON_BUYER_INDICATOR = 71
BIRTH_DATE = 72
BIRTHPLACE_NAME = 73
BLOCK_NAME = 74
BRAND_NAME = 75
BROKER_ASSIGNED_ID = 76
BUDGET_YEAR_NUMERIC = 77
BUILDING_NAME = 78
BUILDING_NUMBER = 79
BULK_CARGO_INDICATOR = 80
BUSINESS_CLASSIFICATION_EVIDENCE_ID = 81
BUSINESS_IDENTITY_EVIDENCE_ID = 82
BUYER_EVENT_ID = 83
BUYER_PROFILE_URI = 84
BUYER_REFERENCE = 85
CV2ID = 86
CALCULATION_EXPRESSION = 87
CALCULATION_EXPRESSION_CODE = 88
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CALCULATION_METHOD_CODE = 89
CALCULATION_RATE = 90
CALCULATION_SEQUENCE_NUMERIC = 91
CALL_BASE_AMOUNT = 92
CALL_DATE = 93
CALL_EXTENSION_AMOUNT = 94
CALL_TIME = 95
CANCELLATION_NOTE = 96
CANDIDATE_REDUCTION_CONSTRAINT_INDICATOR = 97
CANDIDATE_STATEMENT = 98
CANONICALIZATION_METHOD = 99
CAPABILITY_TYPE_CODE = 100
CARD_CHIP_CODE = 101
CARD_TYPE_CODE = 102
CARGO_TYPE_CODE = 103
CARRIER_ASSIGNED_ID = 104
CARRIER_SERVICE_INSTRUCTIONS = 105
CATALOGUE_INDICATOR = 106
CATEGORY_NAME = 107
CERTIFICATE_TYPE = 108
CERTIFICATE_TYPE_CODE = 109
CHANGE_CONDITIONS = 110
CHANNEL = 111
CHANNEL_CODE = 112
CHARACTER_SET_CODE = 113
CHARACTERISTICS = 114
CHARGE_INDICATOR = 115
CHARGE_TOTAL_AMOUNT = 116
CHARGEABLE_QUANTITY = 117
CHARGEABLE_WEIGHT_MEASURE = 118
CHILD_CONSIGNMENT_QUANTITY = 119
CHIP_APPLICATION_ID = 120
CITY_NAME = 121
CITY_SUBDIVISION_NAME = 122
CODE_VALUE = 123
COLLABORATION_PRIORITY_CODE = 124
COMMENT = 125
COMMODITY_CODE = 126
COMPANY_ID = 127
COMPANY_LEGAL_FORM = 128
COMPANY_LEGAL_FORM_CODE = 129
COMPANY_LIQUIDATION_STATUS_CODE = 130
COMPARED_VALUE_MEASURE = 131
COMPARISON_DATA_CODE = 132
COMPARISON_DATA_SOURCE_CODE = 133
COMPARISON_FORECAST_ISSUE_DATE = 134
COMPARISON_FORECAST_ISSUE_TIME = 135
COMPLETION_INDICATOR = 136
CONDITION = 137
CONDITION_CODE = 138
CONDITIONS = 139
CONDITIONS_DESCRIPTION = 140
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CONSIGNEE_ASSIGNED_ID = 141
CONSIGNMENT_QUANTITY = 142
CONSIGNOR_ASSIGNED_ID = 143
CONSOLIDATABLE_INDICATOR = 144
CONSTITUTION_CODE = 145
CONSUMER_INCENTIVE_TACTIC_TYPE_CODE = 146
CONSUMER_UNIT_QUANTITY = 147
CONSUMERS_ENERGY_LEVEL = 148
CONSUMERS_ENERGY_LEVEL_CODE = 149
CONSUMPTION_ENERGY_QUANTITY = 150
CONSUMPTION_ID = 151
CONSUMPTION_LEVEL = 152
CONSUMPTION_LEVEL_CODE = 153
CONSUMPTION_REPORT_ID = 154
CONSUMPTION_TYPE = 155
CONSUMPTION_TYPE_CODE = 156
CONSUMPTION_WATER_QUANTITY = 157
CONTAINERIZED_INDICATOR = 158
CONTENT = 159
CONTENT_UNIT_QUANTITY = 160
CONTRACT_FOLDER_ID = 161
CONTRACT_NAME = 162
CONTRACT_SUBDIVISION = 163
CONTRACT_TYPE = 164
CONTRACT_TYPE_CODE = 165
CONTRACTED_CARRIER_ASSIGNED_ID = 166
CONTRACTING_SYSTEM_CODE = 167
COORDINATE_SYSTEM_CODE = 168
COPY_INDICATOR = 169
CORPORATE_REGISTRATION_TYPE_CODE = 170
CORPORATE_STOCK_AMOUNT = 171
CORRECTION_AMOUNT = 172
CORRECTION_TYPE = 173
CORRECTION_TYPE_CODE = 174
CORRECTION_UNIT_AMOUNT = 175
COUNTRY_SUBENTITY = 176
COUNTRY_SUBENTITY_CODE = 177
CREDIT_LINE_AMOUNT = 178
CREDIT_NOTE_TYPE_CODE = 179
CREDITED_QUANTITY = 180
CREW_QUANTITY = 181
CURRENCY_CODE = 182
CURRENT_CHARGE_TYPE = 183
CURRENT_CHARGE_TYPE_CODE = 184
CUSTOMER_ASSIGNED_ACCOUNT_ID = 185
CUSTOMER_REFERENCE = 186
CUSTOMIZATION_ID = 187
CUSTOMS_CLEARANCE_SERVICE_INSTRUCTIONS = 188
CUSTOMS_IMPORT_CLASSIFIED_INDICATOR = 189
CUSTOMS_STATUS_CODE = 190
CUSTOMS_TARIFF_QUANTITY = 191
DAMAGE_REMARKS = 192
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DANGEROUS_GOODS_APPROVED_INDICATOR = 193
DATA_SENDING_CAPABILITY = 194
DATA_SOURCE_CODE = 195
DATE = 196
DEBIT_LINE_AMOUNT = 197
DEBITED_QUANTITY = 198
DECLARATION_TYPE_CODE = 199
DECLARED_CARRIAGE_VALUE_AMOUNT = 200
DECLARED_CUSTOMS_VALUE_AMOUNT = 201
DECLARED_FOR_CARRIAGE_VALUE_AMOUNT = 202
DECLARED_STATISTICS_VALUE_AMOUNT = 203
DELIVERED_QUANTITY = 204
DELIVERY_INSTRUCTIONS = 205
DEMURRAGE_INSTRUCTIONS = 206
DEPARTMENT = 207
DESCRIPTION = 208
DESCRIPTION_CODE = 209
DESPATCH_ADVICE_TYPE_CODE = 210
DIFFERENCE_TEMPERATURE_REDUCTION_QUANTITY = 211
DIRECTION_CODE = 212
DISPLAY_TACTIC_TYPE_CODE = 213
DISPOSITION_CODE = 214
DISTRICT = 215
DOCUMENT_CURRENCY_CODE = 216
DOCUMENT_DESCRIPTION = 217
DOCUMENT_HASH = 218
DOCUMENT_ID = 219
DOCUMENT_STATUS_CODE = 220
DOCUMENT_STATUS_REASON_CODE = 221
DOCUMENT_STATUS_REASON_DESCRIPTION = 222
DOCUMENT_TYPE = 223
DOCUMENT_TYPE_CODE = 224
DOCUMENTATION_FEE_AMOUNT = 225
DUE_DATE = 226
DURATION_MEASURE = 227
DUTY = 228
DUTY_CODE = 229
EARLIEST_PICKUP_DATE = 230
EARLIEST_PICKUP_TIME = 231
ECONOMIC_OPERATOR_REGISTRY_URI = 232
EFFECTIVE_DATE = 233
EFFECTIVE_TIME = 234
ELECTRONIC_DEVICE_DESCRIPTION = 235
ELECTRONIC_MAIL = 236
EMBEDDED_DOCUMENT_BINARY_OBJECT = 237
EMERGENCY_PROCEDURES_CODE = 238
EMPLOYEE_QUANTITY = 239
ENCODING_CODE = 240
END_DATE = 241
END_TIME = 242
ENDPOINT_ID = 243
ENVIRONMENTAL_EMISSION_TYPE_CODE = 244
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ESTIMATED_AMOUNT = 245
ESTIMATED_CONSUMED_QUANTITY = 246
ESTIMATED_DELIVERY_DATE = 247
ESTIMATED_DELIVERY_TIME = 248
ESTIMATED_DESPATCH_DATE = 249
ESTIMATED_DESPATCH_TIME = 250
ESTIMATED_OVERALL_CONTRACT_AMOUNT = 251
ESTIMATED_OVERALL_CONTRACT_QUANTITY = 252
EVALUATION_CRITERION_TYPE_CODE = 253
EVIDENCE_TYPE_CODE = 254
EXCEPTION_RESOLUTION_CODE = 255
EXCEPTION_STATUS_CODE = 256
EXCHANGE_MARKET_ID = 257
EXCLUSION_REASON = 258
EXECUTION_REQUIREMENT_CODE = 259
EXEMPTION_REASON = 260
EXEMPTION_REASON_CODE = 261
EXPECTED_OPERATOR_QUANTITY = 262
EXPECTED_QUANTITY = 263
EXPENSE_CODE = 264
EXPIRY_DATE = 265
EXPIRY_TIME = 266
EXPRESSION = 267
EXPRESSION_CODE = 268
EXTENDED_ID = 269
EXTENSION = 270
FACE_VALUE_AMOUNT = 271
FAMILY_NAME = 272
FEATURE_TACTIC_TYPE_CODE = 273
FEE_AMOUNT = 274
FEE_DESCRIPTION = 275
FILE_NAME = 276
FINANCING_INSTRUMENT_CODE = 277
FIRST_NAME = 278
FIRST_SHIPMENT_AVAILIBILITY_DATE = 279
FLOOR = 280
FOLLOWUP_CONTRACT_INDICATOR = 281
FORECAST_PURPOSE_CODE = 282
FORECAST_TYPE_CODE = 283
FORMAT_CODE = 284
FORWARDER_SERVICE_INSTRUCTIONS = 285
FREE_OF_CHARGE_INDICATOR = 286
FREE_ON_BOARD_VALUE_AMOUNT = 287
FREIGHT_FORWARDER_ASSIGNED_ID = 288
FREIGHT_RATE_CLASS_CODE = 289
FREQUENCY = 290
FROZEN_DOCUMENT_INDICATOR = 291
FROZEN_PERIOD_DAYS_NUMERIC = 292
FULLNESS_INDICATION_CODE = 293
FULLY_PAID_SHARES_INDICATOR = 294
FUNDING_PROGRAM = 295
FUNDING_PROGRAM_CODE = 296
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GAS_PRESSURE_QUANTITY = 297
GENDER_CODE = 298
GENERAL_CARGO_INDICATOR = 299
GOVERNMENT_AGREEMENT_CONSTRAINT_INDICATOR = 300
GROSS_TONNAGE_MEASURE = 301
GROSS_VOLUME_MEASURE = 302
GROSS_WEIGHT_MEASURE = 303
GUARANTEE_TYPE_CODE = 304
GUARANTEED_DESPATCH_DATE = 305
GUARANTEED_DESPATCH_TIME = 306
HANDLING_CODE = 307
HANDLING_INSTRUCTIONS = 308
HASH_ALGORITHM_METHOD = 309
HAULAGE_INSTRUCTIONS = 310
HAZARD_CLASS_ID = 311
HAZARDOUS_CATEGORY_CODE = 312
HAZARDOUS_REGULATION_CODE = 313
HAZARDOUS_RISK_INDICATOR = 314
HEATING_TYPE = 315
HEATING_TYPE_CODE = 316
HIGHER_TENDER_AMOUNT = 317
HOLDER_NAME = 318
HUMAN_FOOD_APPROVED_INDICATOR = 319
HUMAN_FOOD_INDICATOR = 320
HUMIDITY_PERCENT = 321
ID = 322
IDENTIFICATION_CODE = 323
IDENTIFICATION_ID = 324
IMMOBILIZATION_CERTIFICATE_ID = 325
IMPORTANCE_CODE = 326
INDICATION_INDICATOR = 327
INDUSTRY_CLASSIFICATION_CODE = 328
INFORMATION = 329
INFORMATION_URI = 330
INHALATION_TOXICITY_ZONE_CODE = 331
INHOUSE_MAIL = 332
INSPECTION_METHOD_CODE = 333
INSTALLMENT_DUE_DATE = 334
INSTRUCTION_ID = 335
INSTRUCTION_NOTE = 336
INSTRUCTIONS = 337
INSURANCE_PREMIUM_AMOUNT = 338
INSURANCE_VALUE_AMOUNT = 339
INVENTORY_VALUE_AMOUNT = 340
INVOICE_TYPE_CODE = 341
INVOICED_QUANTITY = 342
INVOICING_PARTY_REFERENCE = 343
ISSUE_DATE = 344
ISSUE_NUMBER_ID = 345
ISSUE_TIME = 346
ISSUER_ID = 347
ITEM_CLASSIFICATION_CODE = 348
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ITEM_UPDATE_REQUEST_INDICATOR = 349
JOB_TITLE = 350
JOURNEY_ID = 351
JUSTIFICATION = 352
JUSTIFICATION_DESCRIPTION = 353
KEYWORD = 354
LANGUAGE_ID = 355
LAST_REVISION_DATE = 356
LAST_REVISION_TIME = 357
LATEST_DELIVERY_DATE = 358
LATEST_DELIVERY_TIME = 359
LATEST_METER_QUANTITY = 360
LATEST_METER_READING_DATE = 361
LATEST_METER_READING_METHOD = 362
LATEST_METER_READING_METHOD_CODE = 363
LATEST_PICKUP_DATE = 364
LATEST_PICKUP_TIME = 365
LATEST_PROPOSAL_ACCEPTANCE_DATE = 366
LATEST_SECURITY_CLEARANCE_DATE = 367
LATITUDE_DEGREES_MEASURE = 368
LATITUDE_DIRECTION_CODE = 369
LATITUDE_MINUTES_MEASURE = 370
LEAD_TIME_MEASURE = 371
LEGAL_REFERENCE = 372
LEGAL_STATUS_INDICATOR = 373
LIABILITY_AMOUNT = 374
LICENSE_PLATE_ID = 375
LIFE_CYCLE_STATUS_CODE = 376
LIMITATION_DESCRIPTION = 377
LINE = 378
LINE_COUNT_NUMERIC = 379
LINE_EXTENSION_AMOUNT = 380
LINE_ID = 381
LINE_NUMBER_NUMERIC = 382
LINE_STATUS_CODE = 383
LIST_VALUE = 384
LIVESTOCK_INDICATOR = 385
LOADING_LENGTH_MEASURE = 386
LOADING_SEQUENCE_ID = 387
LOCALE_CODE = 388
LOCATION = 389
LOCATION_ID = 390
LOCATION_TYPE_CODE = 391
LOGIN = 392
LOGO_REFERENCE_ID = 393
LONGITUDE_DEGREES_MEASURE = 394
LONGITUDE_DIRECTION_CODE = 395
LONGITUDE_MINUTES_MEASURE = 396
LOSS_RISK = 397
LOSS_RISK_RESPONSIBILITY_CODE = 398
LOT_NUMBER_ID = 399
LOW_TENDERS_DESCRIPTION = 400
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    LOWER_ORANGE_HAZARD_PLACARD_ID = 401
    LOWER_TENDER_AMOUNT = 402
    MANDATE_TYPE_CODE = 403
    MANUFACTURE_DATE = 404
    MANUFACTURE_TIME = 405
    MARK_ATTENTION = 406
    MARK_ATTENTION_INDICATOR = 407
    MARK_CARE = 408
    MARK_CARE_INDICATOR = 409
    MARKET_VALUE_AMOUNT = 410
    MARKING_ID = 411
    MATHEMATIC_OPERATOR_CODE = 412
    MAXIMUM_ADVERTISEMENT_AMOUNT = 413
    MAXIMUM_AMOUNT = 414
    MAXIMUM_BACKORDER_QUANTITY = 415
    MAXIMUM_COPIES_NUMERIC = 416
    MAXIMUM_MEASURE = 417
    MAXIMUM_NUMBER_NUMERIC = 418
    MAXIMUM_OPERATOR_QUANTITY = 419
    MAXIMUM_ORDER_QUANTITY = 420
    MAXIMUM_PAID_AMOUNT = 421
    MAXIMUM_PAYMENT_INSTRUCTIONS_NUMERIC = 422
    MAXIMUM_PERCENT = 423
    MAXIMUM_QUANTITY = 424
    MAXIMUM_VALUE = 425
    MAXIMUM_VARIANT_QUANTITY = 426
    MEASURE = 427
    MEDICAL_FIRST_AID_GUIDE_CODE = 428
    METER_CONSTANT = 429
    METER_CONSTANT_CODE = 430
    METER_NAME = 431
    METER_NUMBER = 432
    METER_READING_COMMENTS = 433
    METER_READING_TYPE = 434
    METER_READING_TYPE_CODE = 435
    MIDDLE_NAME = 436
    MIME_CODE = 437
    MINIMUM_AMOUNT = 438
    MINIMUM_BACKORDER_QUANTITY = 439
    MINIMUM_IMPROVEMENT_BID = 440
    MINIMUM_INVENTORY_QUANTITY = 441
    MINIMUM_MEASURE = 442
    MINIMUM_NUMBER_NUMERIC = 443
    MINIMUM_ORDER_QUANTITY = 444
    MINIMUM_PERCENT = 445
    MINIMUM_QUANTITY = 446
    MINIMUM_VALUE = 447
    MISCELLANEOUS_EVENT_TYPE_CODE = 448
    MODEL_NAME = 449
    MONETARY_SCOPE = 450
    MOVIE_TITLE = 451
    MULTIPLE_ORDER_QUANTITY = 452
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    MULTIPLIER_FACTOR_NUMERIC = 453
    NAME = 454
    NAME_CODE = 455
    NAME_SUFFIX = 456
    NATIONALITY_ID = 457
    NATURE_CODE = 458
    NEGOTIATION_DESCRIPTION = 459
    NET_NET_WEIGHT_MEASURE = 460
    NET_TONNAGE_MEASURE = 461
    NET_VOLUME_MEASURE = 462
    NET_WEIGHT_MEASURE = 463
    NETWORK_ID = 464
    NOMINATION_DATE = 465
    NOMINATION_TIME = 466
    NORMAL_TEMPERATURE_REDUCTION_QUANTITY = 467
    NOTE = 468
    NOTIFICATION_TYPE_CODE = 469
    OCCURRENCE_DATE = 470
    OCCURRENCE_TIME = 471
    ON_CARRIAGE_INDICATOR = 472
    ONE_TIME_CHARGE_TYPE = 473
    ONE_TIME_CHARGE_TYPE_CODE = 474
    ONTOLOGY_URI = 475
    OPEN_TENDER_ID = 476
    OPERATING_YEARS_QUANTITY = 477
    OPTIONAL_LINE_ITEM_INDICATOR = 478
    OPTIONS_DESCRIPTION = 479
    ORDER_INTERVAL_DAYS_NUMERIC = 480
    ORDER_QUANTITY_INCREMENT_NUMERIC = 481
    ORDER_RESPONSE_CODE = 482
    ORDER_TYPE_CODE = 483
    ORDERABLE_INDICATOR = 484
    ORDERABLE_UNIT = 485
    ORDERABLE_UNIT_FACTOR_RATE = 486
    ORGANIZATION_DEPARTMENT = 487
    ORIGINAL_CONTRACTING_SYSTEM_ID = 488
    ORIGINAL_JOB_ID = 489
    OTHER_CONDITIONS_INDICATOR = 490
    OTHER_INSTRUCTION = 491
    OTHER_NAME = 492
    OUTSTANDING_QUANTITY = 493
    OUTSTANDING_REASON = 494
    OVERSUPPLY_QUANTITY = 495
    OWNER_TYPE_CODE = 496
    PACK_LEVEL_CODE = 497
    PACK_QUANTITY = 498
    PACK_SIZE_NUMERIC = 499
    PACKAGE_LEVEL_CODE = 500
    PACKAGING_TYPE_CODE = 501
    PACKING_CRITERIA_CODE = 502
    PACKING_MATERIAL = 503
    PAID_AMOUNT = 504
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PAID_DATE = 505
PAID_TIME = 506
PARENT_DOCUMENT_ID = 507
PARENT_DOCUMENT_LINE_REFERENCE_ID = 508
PARENT_DOCUMENT_TYPE_CODE = 509
PARENT_DOCUMENT_VERSION_ID = 510
PART_PRESENTATION_CODE = 511
PARTECIPATION_PERCENT = 512
PARTIAL_DELIVERY_INDICATOR = 513
PARTICIPATION_PERCENT = 514
PARTY_CAPACITY_AMOUNT = 515
PARTY_TYPE = 516
PARTY_TYPE_CODE = 517
PASSENGER_QUANTITY = 518
PASSWORD = 519
PAY_PER_VIEW = 520
PAYABLE_ALTERNATIVE_AMOUNT = 521
PAYABLE_AMOUNT = 522
PAYABLE_ROUNDING_AMOUNT = 523
PAYER_REFERENCE = 524
PAYMENT_ALTERNATIVE_CURRENCY_CODE = 525
PAYMENT_CHANNEL_CODE = 526
PAYMENT_CURRENCY_CODE = 527
PAYMENT_DESCRIPTION = 528
PAYMENT_DUE_DATE = 529
PAYMENT_FREQUENCY_CODE = 530
PAYMENT_ID = 531
PAYMENT_MEANS_CODE = 532
PAYMENT_MEANS_ID = 533
PAYMENT_NOTE = 534
PAYMENT_ORDER_REFERENCE = 535
PAYMENT_PERCENT = 536
PAYMENT_PURPOSE_CODE = 537
PAYMENT_TERMS_DETAILS_URI = 538
PENALTY_AMOUNT = 539
PENALTY_SURCHARGE_PERCENT = 540
PER_UNIT_AMOUNT = 541
PERCENT = 542
PERFORMANCE_METRIC_TYPE_CODE = 543
PERFORMANCE_VALUE_QUANTITY = 544
PERFORMING_CARRIER_ASSIGNED_ID = 545
PERSONAL_SITUATION = 546
PHONE_NUMBER = 547
PLACARD_ENDORSEMENT = 548
PLACARD_NOTATION = 549
PLANNED_DATE = 550
PLOT_IDENTIFICATION = 551
POSITION_CODE = 552
POST_EVENT_NOTIFICATION_DURATION_MEASURE = 553
POSTAL_ZONE = 554
POSTBOX = 555
POWER_INDICATOR = 556
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PRE_CARRIAGE_INDICATOR = 557
PRE_EVENT_NOTIFICATION_DURATION_MEASURE = 558
PREFERENCE_CRITERION_CODE = 559
PREPAID_AMOUNT = 560
PREPAID_INDICATOR = 561
PREPAID_PAYMENT_REFERENCE_ID = 562
PREVIOUS_CANCELLATION_REASON_CODE = 563
PREVIOUS_JOB_ID = 564
PREVIOUS_METER_QUANTITY = 565
PREVIOUS_METER_READING_DATE = 566
PREVIOUS_METER_READING_METHOD = 567
PREVIOUS_METER_READING_METHOD_CODE = 568
PREVIOUS_VERSION_ID = 569
PRICE_AMOUNT = 570
PRICE_CHANGE_REASON = 571
PRICE_EVALUATION_CODE = 572
PRICE_REVISION_FORMULA_DESCRIPTION = 573
PRICE_TYPE = 574
PRICE_TYPE_CODE = 575
PRICING_CURRENCY_CODE = 576
PRICING_UPDATE_REQUEST_INDICATOR = 577
PRIMARY_ACCOUNT_NUMBER_ID = 578
PRINT_QUALIFIER = 579
PRIORITY = 580
PRIVACY_CODE = 581
PRIZE_DESCRIPTION = 582
PRIZE_INDICATOR = 583
PROCEDURE_CODE = 584
PROCESS_DESCRIPTION = 585
PROCESS_REASON = 586
PROCESS_REASON_CODE = 587
PROCUREMENT_SUB_TYPE_CODE = 588
PROCUREMENT_TYPE_CODE = 589
PRODUCT_TRACE_ID = 590
PROFILE_EXECUTION_ID = 591
PROFILE_ID = 592
PROFILE_STATUS_CODE = 593
PROGRESS_PERCENT = 594
PROMOTIONAL_EVENT_TYPE_CODE = 595
PROVIDER_TYPE_CODE = 596
PUBLISH_AWARD_INDICATOR = 597
PURPOSE = 598
PURPOSE_CODE = 599
QUALITY_CONTROL_CODE = 600
QUANTITY = 601
QUANTITY_DISCREPANCY_CODE = 602
RADIO_CALL_SIGN_ID = 603
RAIL_CAR_ID = 604
RANK = 605
RATE = 606
RECEIPT_ADVICE_TYPE_CODE = 607
RECEIVED_DATE = 608
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                        RECEIVED_ELECTRONIC_TENDER_QUANTITY = 609
                        RECEIVED_FOREIGN_TENDER_QUANTITY = 610
                        RECEIVED_QUANTITY = 611
                        RECEIVED_TENDER_QUANTITY = 612
                        REFERENCE = 613
                        REFERENCE_DATE = 614
                        REFERENCE_EVENT_CODE = 615
                        REFERENCE_ID = 616
                        REFERENCE_TIME = 617
                        REFERENCED_CONSIGNMENT_ID = 618
                        REFRIGERATED_INDICATOR = 619
                        REFRIGERATION_ON_INDICATOR = 620
                        REGION = 621
                        REGISTERED_DATE = 622
                        REGISTERED_TIME = 623
                        REGISTRATION_DATE = 624
                        REGISTRATION_EXPIRATION_DATE = 625
                        REGISTRATION_ID = 626
                        REGISTRATION_NAME = 627
                        REGISTRATION_NATIONALITY = 628
                        REGISTRATION_NATIONALITY_ID = 629
                        REGULATORY_DOMAIN = 630
                        REJECT_ACTION_CODE = 631
                        REJECT_REASON = 632
                        REJECT_REASON_CODE = 633
                        REJECTED_QUANTITY = 634
                        REJECTION_NOTE = 635
                        RELEASE_ID = 636
                        RELIABILITY_PERCENT = 637
                        REMARKS = 638
                        REMINDER_SEQUENCE_NUMERIC = 639
                        REMINDER_TYPE_CODE = 640
                        REPLENISHMENT_OWNER_DESCRIPTION = 641
                        REQUEST_FOR_QUOTATION_LINE_ID = 642
                        REQUESTED_DELIVERY_DATE = 643
                        REQUESTED_DESPATCH_DATE = 644
                        REQUESTED_DESPATCH_TIME = 645
                        REQUESTED_INVOICE_CURRENCY_CODE = 646
                        REQUESTED_PUBLICATION_DATE = 647
                        REQUIRED_CURRICULA_INDICATOR = 648
                        REQUIRED_CUSTOMS_ID = 649
                        REQUIRED_DELIVERY_DATE = 650
                        REQUIRED_DELIVERY_TIME = 651
                        REQUIRED_FEE_AMOUNT = 652
                        RESIDENCE_TYPE = 653
                        RESIDENCE_TYPE_CODE = 654
                        RESIDENT_OCCUPANTS_NUMERIC = 655
                        RESOLUTION = 656
                        RESOLUTION_CODE = 657
                        RESOLUTION_DATE = 658
                        RESOLUTION_TIME = 659
                        RESPONSE_CODE = 660
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RESPONSE_DATE = 661
RESPONSE_TIME = 662
RETAIL_EVENT_NAME = 663
RETAIL_EVENT_STATUS_CODE = 664
RETURNABILITY_INDICATOR = 665
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ROLE_DESCRIPTION = 674
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SALES_ORDER_LINE_ID = 678
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SEAL_ISSUER_TYPE_CODE = 680
SEAL_STATUS_CODE = 681
SEALING_PARTY_TYPE = 682
SECURITY_CLASSIFICATION_CODE = 683
SECURITY_ID = 684
SELLER_EVENT_ID = 685
SEQUENCE_ID = 686
SEQUENCE_NUMBER_ID = 687
SEQUENCE_NUMERIC = 688
SERIAL_ID = 689
SERVICE_INFORMATION_PREFERENCE_CODE = 690
SERVICE_NAME = 691
SERVICE_NUMBER_CALLED = 692
SERVICE_TYPE = 693
SERVICE_TYPE_CODE = 694
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SETTLEMENT_DISCOUNT_PERCENT = 696
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SHIPPING_ORDER_ID = 699
SHIPPING_PRIORITY_LEVEL_CODE = 700
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SHORTAGE_ACTION_CODE = 703
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SIGNATURE_METHOD = 705
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SOURCE_CURRENCY_CODE = 709
SOURCE_FORECAST_ISSUE_DATE = 710
SOURCE_FORECAST_ISSUE_TIME = 711
SOURCE_VALUE_MEASURE = 712
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SPECIAL_INSTRUCTIONS = 713
SPECIAL_SECURITY_INDICATOR = 714
SPECIAL_SERVICE_INSTRUCTIONS = 715
SPECIAL_TERMS = 716
SPECIAL_TRANSPORT_REQUIREMENTS = 717
SPECIFICATION_ID = 718
SPECIFICATION_TYPE_CODE = 719
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START_TIME = 722
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STATUS_CODE = 725
STATUS_REASON = 726
STATUS_REASON_CODE = 727
STREET_NAME = 728
SUBCONTRACTING_CONDITIONS_CODE = 729
SUBMISSION_DATE = 730
SUBMISSION_DUE_DATE = 731
SUBMISSION_METHOD_CODE = 732
SUBSCRIBER_ID = 733
SUBSCRIBER_TYPE = 734
SUBSCRIBER_TYPE_CODE = 735
SUBSTITUTION_STATUS_CODE = 736
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SUMMARY_DESCRIPTION = 738
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SUPPLY_CHAIN_ACTIVITY_TYPE_CODE = 740
TARE_WEIGHT_MEASURE = 741
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TARGET_CURRENCY_CODE = 743
TARGET_INVENTORY_QUANTITY = 744
TARGET_SERVICE_PERCENT = 745
TARIFF_CLASS_CODE = 746
TARIFF_CODE = 747
TARIFF_DESCRIPTION = 748
TAX_AMOUNT = 749
TAX_CURRENCY_CODE = 750
TAX_ENERGY_AMOUNT = 751
TAX_ENERGY_BALANCE_AMOUNT = 752
TAX_ENERGY_ON_ACCOUNT_AMOUNT = 753
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TAX_EXCLUSIVE_AMOUNT = 755
TAX_EXEMPTION_REASON = 756
TAX_EXEMPTION_REASON_CODE = 757
TAX_INCLUDED_INDICATOR = 758
TAX_INCLUSIVE_AMOUNT = 759
TAX_LEVEL_CODE = 760
TAX_POINT_DATE = 761
TAX_TYPE_CODE = 762
TAXABLE_AMOUNT = 763
TECHNICAL_COMMITTEE_DESCRIPTION = 764
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TECHNICAL_NAME = 765
TELECOMMUNICATIONS_SERVICE_CALL = 766
TELECOMMUNICATIONS_SERVICE_CALL_CODE = 767
TELECOMMUNICATIONS_SERVICE_CATEGORY = 768
TELECOMMUNICATIONS_SERVICE_CATEGORY_CODE = 769
TELECOMMUNICATIONS_SUPPLY_TYPE = 770
TELECOMMUNICATIONS_SUPPLY_TYPE_CODE = 771
TELEFAX = 772
TELEPHONE = 773
TENDER_ENVELOPE_ID = 774
TENDER_ENVELOPE_TYPE_CODE = 775
TENDER_RESULT_CODE = 776
TENDER_TYPE_CODE = 777
TENDERER_REQUIREMENT_TYPE_CODE = 778
TENDERER_ROLE_CODE = 779
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THRESHOLD_QUANTITY = 784
THRESHOLD_VALUE_COMPARISON_CODE = 785
TIER_RANGE = 786
TIER_RATE_PERCENT = 787
TIME_AMOUNT = 788
TIME_DELTA_DAYS_QUANTITY = 789
TIME_FREQUENCY_CODE = 790
TIMEZONE_OFFSET = 791
TIMING_COMPLAINT = 792
TIMING_COMPLAINT_CODE = 793
TITLE = 794
TO_ORDER_INDICATOR = 795
TOTAL_AMOUNT = 796
TOTAL_BALANCE_AMOUNT = 797
TOTAL_CONSUMED_QUANTITY = 798
TOTAL_CREDIT_AMOUNT = 799
TOTAL_DEBIT_AMOUNT = 800
TOTAL_DELIVERED_QUANTITY = 801
TOTAL_GOODS_ITEM_QUANTITY = 802
TOTAL_INVOICE_AMOUNT = 803
TOTAL_METERED_QUANTITY = 804
TOTAL_PACKAGE_QUANTITY = 805
TOTAL_PACKAGES_QUANTITY = 806
TOTAL_PAYMENT_AMOUNT = 807
TOTAL_TASK_AMOUNT = 808
TOTAL_TAX_AMOUNT = 809
TOTAL_TRANSPORT_HANDLING_UNIT_QUANTITY = 810
TRACE_ID = 811
TRACKING_DEVICE_CODE = 812
TRACKING_ID = 813
TRADE_ITEM_PACKING_LABELING_TYPE_CODE = 814
TRADE_SERVICE_CODE = 815
TRADING_RESTRICTIONS = 816
```

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TRAIN_ID = 817
TRANSACTION_CURRENCY_TAX_AMOUNT = 818
TRANSIT_DIRECTION_CODE = 819
TRANSPORT_AUTHORIZATION_CODE = 820
TRANSPORT_EMERGENCY_CARD_CODE = 821
TRANSPORT_EQUIPMENT_TYPE_CODE = 822
TRANSPORT_EVENT_TYPE_CODE = 823
TRANSPORT_EXECUTION_PLAN_REFERENCE_ID = 824
TRANSPORT_EXECUTION_STATUS_CODE = 825
TRANSPORT_HANDLING_UNIT_TYPE_CODE = 826
TRANSPORT_MEANS_TYPE_CODE = 827
TRANSPORT_MODE_CODE = 828
TRANSPORT_SERVICE_CODE = 829
TRANSPORT_SERVICE_PROVIDER_REMARKS = 830
TRANSPORT_SERVICE_PROVIDER_SPECIAL_TERMS = 831
TRANSPORT_USER_REMARKS = 832
TRANSPORT_USER_SPECIAL_TERMS = 833
TRANSPORTATION_SERVICE_DESCRIPTION = 834
TRANSPORTATION_SERVICE_DETAILS_URI = 835
TRANSPORTATION_STATUS_TYPE_CODE = 836
TYPE_CODE = 837
UBL_VERSION_ID = 838
U_N_D_G_CODE = 839
URI = 840
UUID = 841
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UTILITY_STATEMENT_TYPE_CODE = 845
VALIDATE_PROCESS = 846
VALIDATE_TOOL = 847
VALIDATE_TOOL_VERSION = 848
VALIDATION_DATE = 849
VALIDATION_RESULT_CODE = 850
VALIDATION_TIME = 851
VALIDATOR_ID = 852
VALIDITY_START_DATE = 853
VALUE = 854
VALUE_AMOUNT = 855
VALUE_MEASURE = 856
VALUE_QUALIFIER = 857
VALUE_QUANTITY = 858
VARIANCE_QUANTITY = 859
VARIANT_CONSTRAINT_INDICATOR = 860
VARIANT_ID = 861
VERSION_ID = 862
VESSEL_ID = 863
VESSEL_NAME = 864
WARRANTY_INFORMATION = 865
WEBSITE_URI = 866
WEEK_DAY_CODE = 867
WEIGHT = 868
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        WEIGHT_NUMERIC = 869
        WEIGHTING_ALGORITHM_CODE = 870
        WORK_PHASE = 871
        WORK_PHASE_CODE = 872
        XPATH = 873


    @unique
    class ABIERegistry(IntFlag):
        """
        List of the Aggregate Business Information Elements as defined in UBL 2.1
        """
        ACCEPTANCE_TRANSPORT_EVENT = 1
        ACCESSORY_RELATED_ITEM = 2
        ACCOUNTING_CONTACT = 3
        ACCOUNTING_CUSTOMER_PARTY = 4
        ACCOUNTING_SUPPLIER_PARTY = 5
        ACTIVITY_DATA_LINE = 6
        ACTIVITY_FINAL_LOCATION = 7
        ACTIVITY_ORIGIN_LOCATION = 8
        ACTIVITY_PERIOD = 9
        ACTIVITY_PROPERTY = 10
        ACTUAL_ARRIVAL_TRANSPORT_EVENT = 11
        ACTUAL_DEPARTURE_TRANSPORT_EVENT = 12
        ACTUAL_PACKAGE = 13
        ACTUAL_PICKUP_TRANSPORT_EVENT = 14
        ACTUAL_WAYPOINT_TRANSPORT_EVENT = 15
        ADDITIONAL_COMMODITY_CLASSIFICATION = 16
        ADDITIONAL_DOCUMENT_REFERENCE = 17
        ADDITIONAL_DOCUMENT_RESPONSE = 18
        ADDITIONAL_INFORMATION_PARTY = 19
        ADDITIONAL_ITEM_IDENTIFICATION = 20
        ADDITIONAL_ITEM_PROPERTY = 21
        ADDITIONAL_QUALIFYING_PARTY = 22
        ADDITIONAL_TEMPERATURE = 23
        ADDITIONAL_TRANSPORTATION_SERVICE = 24
        ADDRESS = 25
        ADDRESS_LINE = 26
        AGENT_PARTY = 27
        AIR_TRANSPORT = 28
        ALLOWANCE_CHARGE = 29
        ALLOWED_SUBCONTRACT_TERMS = 30
        ALTERNATIVE_CONDITION_PRICE = 31
        ALTERNATIVE_DELIVERY_LOCATION = 32
        ALTERNATIVE_LINE_ITEM = 33
        ANTICIPATED_MONETARY_TOTAL = 34
        APPEAL_INFORMATION_PARTY = 35
        APPEAL_RECEIVER_PARTY = 36
        APPEAL_TERMS = 37
        APPLICABLE_ADDRESS = 38
        APPLICABLE_PERIOD = 39
        APPLICABLE_REGULATION = 40
```

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    APPLICABLE_TERRITORY_ADDRESS = 42
    APPLICABLE_TRANSPORT_MEANS = 43
    AT_LOCATION = 44
    ATTACHED_TRANSPORT_EQUIPMENT = 45
    ATTACHMENT = 46
    AUCTION_TERMS = 47
    AVAILABILITY_TRANSPORT_EVENT = 48
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    AWARDING_CRITERION = 50
    AWARDING_CRITERION_RESPONSE = 51
    AWARDING_TERMS = 52
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    BILL_OF_LADING_HOLDER_PARTY = 54
    BILL_TO_PARTY = 55
    BILLING_REFERENCE = 56
    BILLING_REFERENCE_LINE = 57
    BONUS_PAYMENT_TERMS = 58
    BRANCH = 59
    BUDGET_ACCOUNT = 60
    BUDGET_ACCOUNT_LINE = 61
    BUSINESS_CLASSIFICATION_SCHEME = 62
    BUYER_CONTACT = 63
    BUYER_CUSTOMER_PARTY = 64
    BUYER_PROPOSED_SUBSTITUTE_LINE_ITEM = 65
    BUYERS_ITEM_IDENTIFICATION = 66
    CALL_DUTY = 67
    CALL_FOR_TENDERS_DOCUMENT_REFERENCE = 68
    CALL_FOR_TENDERS_LINE_REFERENCE = 69
    CAPABILITY = 70
    CARD_ACCOUNT = 71
    CARRIER_PARTY = 72
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    CATALOGUE_ITEM_IDENTIFICATION = 74
    CATALOGUE_ITEM_SPECIFICATION_UPDATE_LINE = 75
    CATALOGUE_LINE = 76
    CATALOGUE_LINE_REFERENCE = 77
    CATALOGUE_PRICING_UPDATE_LINE = 78
    CATALOGUE_REFERENCE = 79
    CATALOGUE_REQUEST_LINE = 80
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    CERTIFICATE = 82
    CERTIFICATE_OF_ORIGIN_APPLICATION = 83
    CHILD_CONSIGNMENT = 84
    CLASSIFICATION_CATEGORY = 85
    CLASSIFICATION_SCHEME = 86
    CLASSIFIED_TAX_CATEGORY = 87
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    COLLECTED_PAYMENT = 90
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CONSUMPTION_CORRECTION = 105
CONSUMPTION_HISTORY = 106
CONSUMPTION_LINE = 107
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CONSUMPTION_REPORT = 109
CONSUMPTION_REPORT_REFERENCE = 110
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CONTAINING_PACKAGE = 116
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CONTRACT_ACCEPTANCE_PERIOD = 119
CONTRACT_DOCUMENT_REFERENCE = 120
CONTRACT_EXECUTION_REQUIREMENT = 121
CONTRACT_EXTENSION = 122
CONTRACT_FORMALIZATION_PERIOD = 123
CONTRACT_RESPONSIBLE_PARTY = 124
CONTRACTING_ACTIVITY = 125
CONTRACTING_PARTY = 126
CONTRACTING_PARTY_TYPE = 127
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CONTRACTUAL_DOCUMENT_REFERENCE = 130
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DELIVERY_CONTACT = 148
DELIVERY_CUSTOMER_PARTY = 149
DELIVERY_LOCATION = 150
DELIVERY_PARTY = 151
DELIVERY_PERIOD = 152
DELIVERY_TERMS = 153
DELIVERY_TRANSPORT_EVENT = 154
DELIVERY_UNIT = 155
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DESPATCH_ADDRESS = 159
DESPATCH_CONTACT = 160
DESPATCH_DOCUMENT_REFERENCE = 161
DESPATCH_LINE = 162
DESPATCH_LINE_REFERENCE = 163
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DESPATCH_PARTY = 165
DESPATCH_SUPPLIER_PARTY = 166
DESTINATION_COUNTRY = 167
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DOCUMENT_AVAILABILITY_PERIOD = 174
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DOCUMENT_PROVIDER_PARTY = 176
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DOCUMENT_RESPONSE = 178
DOCUMENT_TENDER_REQUIREMENT = 179
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EFFECTIVE_PERIOD = 186
EMBASSY_ENDORSEMENT = 187
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ENERGY_TAX_REPORT = 193
ENERGY_WATER_CONSUMPTION_CORRECTION = 194
ENERGY_WATER_SUPPLY = 195
ENVIRONMENTAL_EMISSION = 196
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        ENVIRONMENTAL_LEGISLATION_DOCUMENT_REFERENCE = 197
        ESTIMATED_ARRIVAL_TRANSPORT_EVENT = 198
        ESTIMATED_DELIVERY_PERIOD = 199
        ESTIMATED_DEPARTURE_TRANSPORT_EVENT = 200
        ESTIMATED_DESPATCH_PERIOD = 201
        ESTIMATED_DURATION_PERIOD = 202
        ESTIMATED_TRANSIT_PERIOD = 203
        EVALUATION_CRITERION = 204
        EVENT = 205
        EVENT_COMMENT = 206
        EVENT_LINE_ITEM = 207
        EVENT_TACTIC = 208
        EVENT_TACTIC_ENUMERATION = 209
        EVIDENCE = 210
        EVIDENCE_DOCUMENT_REFERENCE = 211
        EVIDENCE_ISSUING_PARTY = 212
        EVIDENCE_SUPPLIED = 213
        EXAMINATION_TRANSPORT_EVENT = 214
        EXCEPTION_CRITERIA_LINE = 215
        EXCEPTION_NOTIFICATION_LINE = 216
        EXCEPTION_OBSERVATION_PERIOD = 217
        EXCHANGE_RATE = 218
        EXPORT_COUNTRY = 219
        EXPORTATION_TRANSPORT_EVENT = 220
        EXPORTER_PARTY = 221
        EXTERNAL_REFERENCE = 222
        EXTRA_ALLOWANCE_CHARGE = 223
        FINAL_DELIVERY_PARTY = 224
        FINAL_DELIVERY_TRANSPORTATION_SERVICE = 225
        FINAL_DESTINATION_COUNTRY = 226
        FINAL_FINANCIAL_GUARANTEE = 227
        FINANCIAL_ACCOUNT = 228
        FINANCIAL_CAPABILITY = 229
        FINANCIAL_EVALUATION_CRITERION = 230
        FINANCIAL_GUARANTEE = 231
        FINANCIAL_INSTITUTION = 232
        FINANCIAL_INSTITUTION_BRANCH = 233
        FINANCING_FINANCIAL_ACCOUNT = 234
        FINANCING_PARTY = 235
        FIRST_ARRIVAL_PORT_LOCATION = 236
        FISCAL_LEGISLATION_DOCUMENT_REFERENCE = 237
        FLASHPOINT_TEMPERATURE = 238
        FLOOR_SPACE_MEASUREMENT_DIMENSION = 239
        FORECAST_EXCEPTION = 240
        FORECAST_EXCEPTION_CRITERION_LINE = 241
        FORECAST_LINE = 242
        FORECAST_PERIOD = 243
        FORECAST_REVISION_LINE = 244
        FOREIGN_EXCHANGE_CONTRACT = 245
        FRAMEWORK_AGREEMENT = 246
        FREIGHT_ALLOWANCE_CHARGE = 247
        FREIGHT_CHARGE_LOCATION = 248
```

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FREIGHT_FORWARDER_PARTY = 249
FREQUENCY_PERIOD = 250
FROM_LOCATION = 251
GOODS_ITEM = 252
GOODS_ITEM_CONTAINER = 253
GUARANTEE_DOCUMENT_REFERENCE = 254
GUARANTOR_PARTY = 255
GUIDANCE_DOCUMENT_REFERENCE = 256
HANDLING_TRANSPORT_EVENT = 257
HANDLING_UNIT_DESPATCH_LINE = 258
HAULAGE_TRADING_TERMS = 259
HAZARDOUS_GOODS_TRANSIT = 260
HAZARDOUS_ITEM = 261
HAZARDOUS_ITEM_NOTIFICATION_PARTY = 262
HEAD_OFFICE_PARTY = 263
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IMMOBILIZED_SECURITY = 265
IMPORTER_PARTY = 266
INFORMATION_CONTENT_PROVIDER_PARTY = 267
INSTRUCTION_FOR_RETURNS_LINE = 268
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INSURANCE_PARTY = 270
INTERESTED_PARTY = 271
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INVENTORY_LOCATION = 273
INVENTORY_PERIOD = 274
INVENTORY_REPORT_LINE = 275
INVENTORY_REPORTING_PARTY = 276
INVITATION_SUBMISSION_PERIOD = 277
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INVOICE_LINE = 279
INVOICE_PERIOD = 280
ISSUER_ENDORSEMENT = 281
ISSUER_PARTY = 282
ISSUING_COUNTRY = 283
ITEM = 284
ITEM_COMPARISON = 285
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ITEM_INFORMATION_REQUEST_LINE = 287
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ITEM_LOCATION_QUANTITY = 289
ITEM_MANAGEMENT_PROFILE = 290
ITEM_PRICE_EXTENSION = 291
ITEM_PROPERTY = 292
ITEM_PROPERTY_GROUP = 293
ITEM_PROPERTY_RANGE = 294
ITEM_SPECIFICATION_DOCUMENT_REFERENCE = 295
JURISDICTION_REGION_ADDRESS = 296
KEYWORD_ITEM_PROPERTY = 297
LANGUAGE = 298
LAST_EXIT_PORT_LOCATION = 299
LEGAL_DOCUMENT_REFERENCE = 300
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                            LEGAL_MONETARY_TOTAL = 301
                            LINE_ITEM = 302
                            LINE_REFERENCE = 303
                            LINE_RESPONSE = 304
                            LINE_VALIDITY_PERIOD = 305
                            LOADING_LOCATION = 306
                            LOADING_PORT_LOCATION = 307
                            LOADING_PROOF_PARTY = 308
                            LOADING_TRANSPORT_EVENT = 309
                            LOCATION = 310
                            LOCATION_ADDRESS = 311
                            LOCATION_COORDINATE = 312
                            LOGISTICS_OPERATOR_PARTY = 313
                            LOT_IDENTIFICATION = 314
                            MAIN_CARRIAGE_SHIPMENT_STAGE = 315
                            MAIN_COMMODITY_CLASSIFICATION = 316
                            MAIN_ON_ACCOUNT_PAYMENT = 317
                            MAIN_PERIOD = 318
                            MAIN_QUALIFYING_PARTY = 319
                            MAIN_TRANSPORTATION_SERVICE = 320
                            MANDATE_DOCUMENT_REFERENCE = 321
                            MANUFACTURER_PARTY = 322
                            MANUFACTURERS_ITEM_IDENTIFICATION = 323
                            MARITIME_TRANSPORT = 324
                            MASTER_PERSON = 325
                            MAXIMUM_DELIVERY_UNIT = 326
                            MAXIMUM_TEMPERATURE = 327
                            MEASUREMENT_DIMENSION = 328
                            MEASUREMENT_FROM_LOCATION = 329
                            MEASUREMENT_TO_LOCATION = 330
                            MEDIATION_PARTY = 331
                            METER = 332
                            METER_PROPERTY = 333
                            METER_READING = 334
                            MINIMUM_DELIVERY_UNIT = 335
                            MINIMUM_TEMPERATURE = 336
                            MINUTES_DOCUMENT_REFERENCE = 337
                            MISCELLANEOUS_EVENT = 338
                            MONETARY_TOTAL = 339
                            MORTGAGE_HOLDER_PARTY = 340
                            NOMINATION_PERIOD = 341
                            NOTARY_PARTY = 342
                            NOTICE_DOCUMENT_REFERENCE = 343
                            NOTIFICATION_LOCATION = 344
                            NOTIFICATION_PERIOD = 345
                            NOTIFICATION_REQUIREMENT = 346
                            NOTIFY_PARTY = 347
                            OCCURENCE_LOCATION = 348
                            OFFERED_ITEM_LOCATION_QUANTITY = 349
                            ON_ACCOUNT_PAYMENT = 350
                            ON_CARRIAGE_SHIPMENT_STAGE = 351
                            OPEN_TENDER_EVENT = 352
```

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OPERATING_PARTY = 353
OPTION_VALIDITY_PERIOD = 354
OPTIONAL_TAKEOVER_TRANSPORT_EVENT = 355
ORDER_DOCUMENT_REFERENCE = 356
ORDER_LINE = 357
ORDER_LINE_REFERENCE = 358
ORDER_REFERENCE = 359
ORDERED_SHIPMENT = 360
ORIGIN_ADDRESS = 361
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ORIGINAL_DESPATCH_PARTY = 364
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PARENT_DOCUMENT_REFERENCE = 377
PARTICIPATING_LOCATIONS_LOCATION = 378
PARTICIPATION_REQUEST_RECEPTION_PERIOD = 379
PARTY = 380
PARTY_IDENTIFICATION = 381
PARTY_LEGAL_ENTITY = 382
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PARTY_TAX_SCHEME = 384
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PAYER_FINANCIAL_ACCOUNT = 388
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PAYMENT_EXCHANGE_RATE = 392
PAYMENT_MANDATE = 393
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PAYMENT_REVERSAL_PERIOD = 395
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PENALTY_PAYMENT_TERMS = 398
PENALTY_PERIOD = 399
PERFORMANCE_DATA_LINE = 400
PERFORMING_CARRIER_PARTY = 401
PERIOD = 402
PERSON = 403
PHYSICAL_ATTRIBUTE = 404
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```
PHYSICAL_LOCATION = 405
PICKUP = 406
PICKUP_LOCATION = 407
PICKUP_PARTY = 408
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PREPARATION_PARTY = 423
PRESENTATION_PERIOD = 424
PREVIOUS_DOCUMENT_REFERENCE = 425
PREVIOUS_PRICE_LIST = 426
PRICE = 427
PRICE_EXTENSION = 428
PRICE_LIST = 429
PRICING_EXCHANGE_RATE = 430
PRICING_REFERENCE = 431
PROCESS_JUSTIFICATION = 432
PROCUREMENT_LEGISLATION_DOCUMENT_REFERENCE = 433
PROCUREMENT_PROJECT = 434
PROCUREMENT_PROJECT_LOT = 435
PROJECT_REFERENCE = 436
PROMISED_DELIVERY_PERIOD = 437
PROMOTIONAL_EVENT = 438
PROMOTIONAL_EVENT_LINE_ITEM = 439
PROMOTIONAL_SPECIFICATION = 440
PROVIDER_PARTY = 441
QUALIFICATION_RESOLUTION = 442
QUALIFYING_PARTY = 443
QUARANTINE_TRANSPORT_EVENT = 444
QUOTATION_DOCUMENT_REFERENCE = 445
QUOTATION_LINE = 446
QUOTATION_LINE_REFERENCE = 447
QUOTED_MONETARY_TOTAL = 448
RAIL_TRANSPORT = 449
RANGE_DIMENSION = 450
REALIZED_LOCATION = 451
RECEIPT_DOCUMENT_REFERENCE = 452
RECEIPT_LINE = 453
RECEIPT_LINE_REFERENCE = 454
RECEIPT_TRANSPORT_EVENT = 455
RECEIVED_HANDLING_UNIT_RECEIPT_LINE = 456
```

```
RECEIVER_PARTY = 457
RECIPIENT_CUSTOMER_PARTY = 458
RECIPIENT_PARTY = 459
REFERENCED_CONSIGNMENT = 460
REFERENCED_CONTRACT = 461
REFERENCED_GOODS_ITEM = 462
REFERENCED_PACKAGE = 463
REFERENCED_SHIPMENT = 464
REFERENCED_TRANSPORT_EQUIPMENT = 465
REGISTRATION_ADDRESS = 466
REGISTRY_CERTIFICATE_DOCUMENT_REFERENCE = 467
REGISTRY_PORT_LOCATION = 468
REGULATION = 469
RELATED_CATALOGUE_REFERENCE = 470
RELATED_ITEM = 471
REMINDER_DOCUMENT_REFERENCE = 472
REMINDER_LINE = 473
REMINDER_PERIOD = 474
REMITTANCE_ADVICE_LINE = 475
RENEWAL = 476
REPLACED_NOTICE_DOCUMENT_REFERENCE = 477
REPLACED_RELATED_ITEM = 478
REPLACEMENT_RELATED_ITEM = 479
REPORTED_SHIPMENT = 480
REPORTING_PERSON = 481
REQUEST_FOR_QUOTATION_DOCUMENT_REFERENCE = 482
REQUEST_FOR_QUOTATION_LINE = 483
REQUEST_FOR_TENDER_LINE = 484
REQUEST_LINE_REFERENCE = 485
REQUESTED_ARRIVAL_TRANSPORT_EVENT = 486
REQUESTED_CATALOGUE_REFERENCE = 487
REQUESTED_CLASSIFICATION_SCHEME = 488
REQUESTED_DELIVERY_PERIOD = 489
REQUESTED_DELIVERY_TRANSPORT_EVENT = 490
REQUESTED_DEPARTURE_TRANSPORT_EVENT = 491
REQUESTED_DESPATCH_PERIOD = 492
REQUESTED_DOCUMENT_REFERENCE = 493
REQUESTED_LANGUAGE = 494
REQUESTED_MONETARY_TOTAL = 495
REQUESTED_PICKUP_TRANSPORT_EVENT = 496
REQUESTED_STATUS_LOCATION = 497
REQUESTED_STATUS_PERIOD = 498
REQUESTED_TENDER_TOTAL = 499
REQUESTED_VALIDITY_PERIOD = 500
REQUESTED_WAYPOINT_TRANSPORT_EVENT = 501
REQUIRED_BUSINESS_CLASSIFICATION_SCHEME = 502
REQUIRED_CLASSIFICATION_SCHEME = 503
REQUIRED_FINANCIAL_GUARANTEE = 504
REQUIRED_ITEM_LOCATION_QUANTITY = 505
REQUIRED_RELATED_ITEM = 506
RESIDENCE_ADDRESS = 507
RESOLUTION_DOCUMENT_REFERENCE = 508
```

```python
RESPONSE = 509
RESPONSIBLE_TRANSPORT_SERVICE_PROVIDER_PARTY = 510
RESULT_OF_VERIFICATION = 511
RETAIL_PLANNED_IMPACT = 512
RETAILER_CUSTOMER_PARTY = 513
RETURN_ADDRESS = 514
ROAD_TRANSPORT = 515
SALES_ITEM = 516
SCHEDULED_SERVICE_FREQUENCY = 517
SECONDARY_HAZARD = 518
SECURITY_OFFICER_PERSON = 519
SELF_BILLED_CREDIT_NOTE_DOCUMENT_REFERENCE = 520
SELF_BILLED_INVOICE_DOCUMENT_REFERENCE = 521
SELLER_CONTACT = 522
SELLER_PROPOSED_SUBSTITUTE_LINE_ITEM = 523
SELLER_SUBSTITUTED_LINE_ITEM = 524
SELLER_SUPPLIER_PARTY = 525
SELLERS_ITEM_IDENTIFICATION = 526
SENDER_PARTY = 527
SERVICE_ALLOWANCE_CHARGE = 528
SERVICE_CHARGE_PAYMENT_TERMS = 529
SERVICE_END_TIME_PERIOD = 530
SERVICE_FREQUENCY = 531
SERVICE_PROVIDER_PARTY = 532
SERVICE_START_TIME_PERIOD = 533
SETTLEMENT_PERIOD = 534
SHAREHOLDER_PARTY = 535
SHIPMENT = 536
SHIPMENT_DOCUMENT_REFERENCE = 537
SHIPMENT_STAGE = 538
SHIPS_SURGEON_PERSON = 539
SIGNATORY_CONTACT = 540
SIGNATORY_PARTY = 541
SIGNATURE = 542
SOURCE_CATALOGUE_REFERENCE = 543
SOURCE_ISSUER_PARTY = 544
SPECIFIC_TENDERER_REQUIREMENT = 545
STANDARD_ITEM_IDENTIFICATION = 546
STATEMENT_DOCUMENT_REFERENCE = 547
STATEMENT_LINE = 548
STATEMENT_PERIOD = 549
STATUS = 550
STATUS_LOCATION = 551
STATUS_PERIOD = 552
STOCK_AVAILABILITY_REPORT_LINE = 553
STORAGE_LOCATION = 554
STORAGE_TRANSPORT_EVENT = 555
STOWAGE = 556
SUB_CREDIT_NOTE_LINE = 557
SUB_DEBIT_NOTE_LINE = 558
SUB_INVOICE_LINE = 559
SUB_LINE_ITEM = 560
```

```python
SUB_REQUEST_FOR_TENDER_LINE = 561
SUB_TENDER_LINE = 562
SUBCONTRACT_TERMS = 563
SUBCONTRACTOR_PARTY = 564
SUBORDINATE_AWARDING_CRITERION = 565
SUBORDINATE_AWARDING_CRITERION_RESPONSE = 566
SUBSCRIBER_CONSUMPTION = 567
SUBSCRIBER_PARTY = 568
SUBSEQUENT_PROCESS_TENDER_REQUIREMENT = 569
SUBSIDIARY_LOCATION = 570
SUBSTITUTE_CARRIER_PARTY = 571
SUGGESTED_EVIDENCE = 572
SUPPLIER_CONSUMPTION = 573
SUPPLIER_PARTY = 574
SUPPLY_CHAIN_ACTIVITY_DATA_LINE = 575
SUPPLY_ITEM = 576
SUPPORTED_COMMODITY_CLASSIFICATION = 577
SUPPORTED_TRANSPORT_EQUIPMENT = 578
SUPPORTING_DOCUMENT_REFERENCE = 579
TAKEOVER_TRANSPORT_EVENT = 580
TAX_CATEGORY = 581
TAX_EXCHANGE_RATE = 582
TAX_EXCLUSIVE_PRICE = 583
TAX_INCLUSIVE_PRICE = 584
TAX_REPRESENTATIVE_PARTY = 585
TAX_SCHEME = 586
TAX_SUBTOTAL = 587
TAX_TOTAL = 588
TECHNICAL_CAPABILITY = 589
TECHNICAL_COMMITTEE_PERSON = 590
TECHNICAL_DOCUMENT_REFERENCE = 591
TECHNICAL_EVALUATION_CRITERION = 592
TELECOMMUNICATIONS_SERVICE = 593
TELECOMMUNICATIONS_SUPPLY = 594
TELECOMMUNICATIONS_SUPPLY_LINE = 595
TEMPERATURE = 596
TEMPLATE_DOCUMENT_REFERENCE = 597
TENDER_DOCUMENT_REFERENCE = 598
TENDER_EVALUATION_PARTY = 599
TENDER_LINE = 600
TENDER_PREPARATION = 601
TENDER_RECIPIENT_PARTY = 602
TENDER_REQUIREMENT = 603
TENDER_RESULT = 604
TENDER_SUBMISSION_DEADLINE_PERIOD = 605
TENDER_VALIDITY_PERIOD = 606
TENDERED_PROJECT = 607
TENDERER_PARTY = 608
TENDERER_PARTY_QUALIFICATION = 609
TENDERER_QUALIFICATION_DOCUMENT_REFERENCE = 610
TENDERER_QUALIFICATION_REQUEST = 611
TENDERER_REQUIREMENT = 612
```

```python
    TENDERING_PROCESS = 613
    TENDERING_TERMS = 614
    TERMINAL_OPERATOR_PARTY = 615
    TIME_DUTY = 616
    TO_LOCATION = 617
    TOTAL_CAPACITY_DIMENSION = 618
    TRADE_FINANCING = 619
    TRADING_TERMS = 620
    TRANSACTION_CONDITIONS = 621
    TRANSIT_COUNTRY = 622
    TRANSIT_PERIOD = 623
    TRANSPORT_ADVISOR_PARTY = 624
    TRANSPORT_CONTRACT = 625
    TRANSPORT_EQUIPMENT = 626
    TRANSPORT_EQUIPMENT_SEAL = 627
    TRANSPORT_EVENT = 628
    TRANSPORT_EXECUTION_PLAN_DOCUMENT_REFERENCE = 629
    TRANSPORT_EXECUTION_PLAN_REQUEST_DOCUMENT_REFERENCE = 630
    TRANSPORT_EXECUTION_TERMS = 631
    TRANSPORT_HANDLING_UNIT = 632
    TRANSPORT_MEANS = 633
    TRANSPORT_PROGRESS_STATUS_REQUEST_DOCUMENT_REFERENCE = 634
    TRANSPORT_SCHEDULE = 635
    TRANSPORT_SERVICE_DESCRIPTION_DOCUMENT_REFERENCE = 636
    TRANSPORT_SERVICE_DESCRIPTION_REQUEST_DOCUMENT_REFERENCE = 637
    TRANSPORT_SERVICE_PROVIDER_PARTY = 638
    TRANSPORT_SERVICE_PROVIDER_RESPONSE_DEADLINE_PERIOD = 639
    TRANSPORT_SERVICE_PROVIDER_RESPONSE_REQUIRED_PERIOD = 640
    TRANSPORT_USER_PARTY = 641
    TRANSPORT_USER_RESPONSE_REQUIRED_PERIOD = 642
    TRANSPORTATION_SEGMENT = 643
    TRANSPORTATION_SERVICE = 644
    TRANSPORTATION_STATUS_REQUEST_DOCUMENT_REFERENCE = 645
    TRANSSHIP_PORT_LOCATION = 646
    UNLOADING_LOCATION = 647
    UNLOADING_PORT_LOCATION = 648
    UNSTRUCTURED_PRICE = 649
    UNSUPPORTED_COMMODITY_CLASSIFICATION = 650
    UNSUPPORTED_TRANSPORT_EQUIPMENT = 651
    UPDATED_DELIVERY_TRANSPORT_EVENT = 652
    UPDATED_PICKUP_TRANSPORT_EVENT = 653
    USABILITY_PERIOD = 654
    UTILITY_CONSUMPTION_POINT = 655
    UTILITY_CUSTOMER_PARTY = 656
    UTILITY_ITEM = 657
    UTILITY_METER = 658
    UTILITY_SUPPLIER_PARTY = 659
    VALIDITY_PERIOD = 660
    WAREHOUSING_TRANSPORT_EVENT = 661
    WARRANTY_PARTY = 662
    WARRANTY_VALIDITY_PERIOD = 663
    WEB_SITE_ACCESS = 664
```

```python
        WINNING_PARTY = 665
        WITHHOLDING_TAX_TOTAL = 666
        WITNESS_PARTY = 667
        WORK_ORDER_DOCUMENT_REFERENCE = 668
        WORK_PHASE_REFERENCE = 669


    @unique
    class ComponentRegistry(IntFlag):
        ACTIVITY_DATA_LINE = 1
        ACTIVITY_PROPERTY = 2
        ADDRESS = 3
        ADDRESS_LINE = 4
        AIR_TRANSPORT = 5
        ALLOWANCE_CHARGE = 6
        APPEAL_TERMS = 7
        ATTACHMENT = 8
        AUCTION_TERMS = 9
        AWARDING_CRITERION = 10
        AWARDING_CRITERION_RESPONSE = 11
        AWARDING_TERMS = 12
        BILLING_REFERENCE = 13
        BILLING_REFERENCE_LINE = 14
        BRANCH = 15
        BUDGET_ACCOUNT = 16
        BUDGET_ACCOUNT_LINE = 17
        CAPABILITY = 18
        CARD_ACCOUNT = 19
        CATALOGUE_ITEM_SPECIFICATION_UPDATE_LINE = 20
        CATALOGUE_LINE = 21
        CATALOGUE_PRICING_UPDATE_LINE = 22
        CATALOGUE_REFERENCE = 23
        CATALOGUE_REQUEST_LINE = 24
        CERTIFICATE = 25
        CERTIFICATE_OF_ORIGIN_APPLICATION = 26
        CLASSIFICATION_CATEGORY = 27
        CLASSIFICATION_SCHEME = 28
        CLAUSE = 29
        COMMODITY_CLASSIFICATION = 30
        COMMUNICATION = 31
        COMPLETED_TASK = 32
        CONDITION = 33
        CONSIGNMENT = 34
        CONSUMPTION = 35
        CONSUMPTION_AVERAGE = 36
        CONSUMPTION_CORRECTION = 37
        CONSUMPTION_HISTORY = 38
        CONSUMPTION_LINE = 39
        CONSUMPTION_POINT = 40
        CONSUMPTION_REPORT = 41
        CONSUMPTION_REPORT_REFERENCE = 42
        CONTACT = 43
```

```python
CONTRACT = 44
CONTRACT_EXECUTION_REQUIREMENT = 45
CONTRACT_EXTENSION = 46
CONTRACTING_ACTIVITY = 47
CONTRACTING_PARTY = 48
CONTRACTING_PARTY_TYPE = 49
CORPORATE_REGISTRATION_SCHEME = 50
COUNTRY = 51
CREDIT_ACCOUNT = 52
CREDIT_NOTE_LINE = 53
CUSTOMER_PARTY = 54
CUSTOMS_DECLARATION = 55
DEBIT_NOTE_LINE = 56
DECLARATION = 57
DELIVERY = 58
DELIVERY_TERMS = 59
DELIVERY_UNIT = 60
DEPENDENT_PRICE_REFERENCE = 61
DESPATCH = 62
DESPATCH_LINE = 63
DIMENSION = 64
DOCUMENT_DISTRIBUTION = 65
DOCUMENT_REFERENCE = 66
DOCUMENT_RESPONSE = 67
DUTY = 68
ECONOMIC_OPERATOR_ROLE = 69
ECONOMIC_OPERATOR_SHORT_LIST = 70
EMISSION_CALCULATION_METHOD = 71
ENDORSEMENT = 72
ENDORSER_PARTY = 73
ENERGY_TAX_REPORT = 74
ENERGY_WATER_SUPPLY = 75
ENVIRONMENTAL_EMISSION = 76
EVALUATION_CRITERION = 77
EVENT = 78
EVENT_COMMENT = 79
EVENT_LINE_ITEM = 80
EVENT_TACTIC = 81
EVENT_TACTIC_ENUMERATION = 82
EVIDENCE = 83
EVIDENCE_SUPPLIED = 84
EXCEPTION_CRITERIA_LINE = 85
EXCEPTION_NOTIFICATION_LINE = 86
EXCHANGE_RATE = 87
EXTERNAL_REFERENCE = 88
FINANCIAL_ACCOUNT = 89
FINANCIAL_GUARANTEE = 90
FINANCIAL_INSTITUTION = 91
FORECAST_EXCEPTION = 92
FORECAST_EXCEPTION_CRITERION_LINE = 93
FORECAST_LINE = 94
FORECAST_REVISION_LINE = 95
```

```python
FRAMEWORK_AGREEMENT = 96
GOODS_ITEM = 97
GOODS_ITEM_CONTAINER = 98
HAZARDOUS_GOODS_TRANSIT = 99
HAZARDOUS_ITEM = 100
IMMOBILIZED_SECURITY = 101
INSTRUCTION_FOR_RETURNS_LINE = 102
INVENTORY_REPORT_LINE = 103
INVOICE_LINE = 104
ITEM = 105
ITEM_COMPARISON = 106
ITEM_IDENTIFICATION = 107
ITEM_INFORMATION_REQUEST_LINE = 108
ITEM_INSTANCE = 109
ITEM_LOCATION_QUANTITY = 110
ITEM_MANAGEMENT_PROFILE = 111
ITEM_PROPERTY = 112
ITEM_PROPERTY_GROUP = 113
ITEM_PROPERTY_RANGE = 114
LANGUAGE = 115
LINE_ITEM = 116
LINE_REFERENCE = 117
LINE_RESPONSE = 118
LOCATION = 119
LOCATION_COORDINATE = 120
LOT_IDENTIFICATION = 121
MARITIME_TRANSPORT = 122
METER = 123
METER_PROPERTY = 124
METER_READING = 125
MISCELLANEOUS_EVENT = 126
MONETARY_TOTAL = 127
NOTIFICATION_REQUIREMENT = 128
ON_ACCOUNT_PAYMENT = 129
ORDERED_SHIPMENT = 130
ORDER_LINE = 131
ORDER_LINE_REFERENCE = 132
ORDER_REFERENCE = 133
PACKAGE = 134
PARTY = 135
PARTY_IDENTIFICATION = 136
PARTY_LEGAL_ENTITY = 137
PARTY_NAME = 138
PARTY_TAX_SCHEME = 139
PAYMENT = 140
PAYMENT_MANDATE = 141
PAYMENT_MEANS = 142
PAYMENT_TERMS = 143
PERFORMANCE_DATA_LINE = 144
PERIOD = 145
PERSON = 146
PHYSICAL_ATTRIBUTE = 147
```

```python
    PICKUP = 148
    POWER_OF_ATTORNEY = 149
    PRICE = 150
    PRICE_EXTENSION = 151
    PRICE_LIST = 152
    PRICING_REFERENCE = 153
    PROCESS_JUSTIFICATION = 154
    PROCUREMENT_PROJECT = 155
    PROCUREMENT_PROJECT_LOT = 156
    PROJECT_REFERENCE = 157
    PROMOTIONAL_EVENT = 158
    PROMOTIONAL_EVENT_LINE_ITEM = 159
    PROMOTIONAL_SPECIFICATION = 160
    QUALIFICATION_RESOLUTION = 161
    QUALIFYING_PARTY = 162
    QUOTATION_LINE = 163
    RAIL_TRANSPORT = 164
    RECEIPT_LINE = 165
    REGULATION = 166
    RELATED_ITEM = 167
    REMINDER_LINE = 168
    REMITTANCE_ADVICE_LINE = 169
    RENEWAL = 170
    REQUESTED_TENDER_TOTAL = 171
    REQUEST_FOR_QUOTATION_LINE = 172
    REQUEST_FOR_TENDER_LINE = 173
    RESPONSE = 174
    RESULT_OF_VERIFICATION = 175
    RETAIL_PLANNED_IMPACT = 176
    ROAD_TRANSPORT = 177
    SALES_ITEM = 178
    SECONDARY_HAZARD = 179
    SERVICE_FREQUENCY = 180
    SERVICE_PROVIDER_PARTY = 181
    SHAREHOLDER_PARTY = 182
    SHIPMENT = 183
    SHIPMENT_STAGE = 184
    SIGNATURE = 185
    STATEMENT_LINE = 186
    STATUS = 187
    STOCK_AVAILABILITY_REPORT_LINE = 188
    STOWAGE = 189
    SUBCONTRACT_TERMS = 190
    SUBSCRIBER_CONSUMPTION = 191
    SUPPLIER_CONSUMPTION = 192
    SUPPLIER_PARTY = 193
    TAX_CATEGORY = 194
    TAX_SCHEME = 195
    TAX_SUBTOTAL = 196
    TAX_TOTAL = 197
    TELECOMMUNICATIONS_SERVICE = 198
    TELECOMMUNICATIONS_SUPPLY = 199
```

```python
        TELECOMMUNICATIONS_SUPPLY_LINE = 200
        TEMPERATURE = 201
        TENDERED_PROJECT = 202
        TENDERER_PARTY_QUALIFICATION = 203
        TENDERER_QUALIFICATION_REQUEST = 204
        TENDERER_REQUIREMENT = 205
        TENDERING_PROCESS = 206
        TENDERING_TERMS = 207
        TENDER_LINE = 208
        TENDER_PREPARATION = 209
        TENDER_REQUIREMENT = 210
        TENDER_RESULT = 211
        TRADE_FINANCING = 212
        TRADING_TERMS = 213
        TRANSACTION_CONDITIONS = 214
        TRANSPORTATION_SEGMENT = 215
        TRANSPORTATION_SERVICE = 216
        TRANSPORT_EQUIPMENT = 217
        TRANSPORT_EQUIPMENT_SEAL = 218
        TRANSPORT_EVENT = 219
        TRANSPORT_EXECUTION_TERMS = 220
        TRANSPORT_HANDLING_UNIT = 221
        TRANSPORT_MEANS = 222
        TRANSPORT_SCHEDULE = 223
        UNSTRUCTURED_PRICE = 224
        UTILITY_ITEM = 225
        WEB_SITE_ACCESS = 226
        WINNING_PARTY = 227
        WORK_PHASE_REFERENCE = 228


@unique
class DocumentRegistry(IntFlag):
    """
    Defines a list of named constants which identifies all
    Business Documents supported by this Python implementation of UBL 2.1
    """
    APPLICATION_RESPONSE = 2
    ATTACHED_DOCUMENT = 3
    UNAWARDED_NOTIFICATION = 5
    BILL_OF_LADING = 7
    CALL_FOR_TENDERS = 11
    CATALOGUE = 13
    CATALOGUE_DELETION = 17
    CATALOGUE_ITEM_SPECIFICATION_UPDATE = 19
    CATALOGUE_PRICING_UPDATE = 23
    CATALOGUE_REQUEST = 29
    CERTIFICATE_OF_ORIGIN = 31
    CONTRACT_AWARD_NOTICE = 37
    CONTRACT_NOTICE = 41
    CREDIT_NOTE = 43
    DEBIT_NOTE = 47
```

```python
        DESPATCH_ADVICE = 53
        DOCUMENT_STATUS = 59
        DOCUMENT_STATUS_REQUEST = 61
        EXCEPTION_CRITERIA = 67
        EXCEPTION_NOTIFICATION = 71
        FORECAST = 73
        FORECAST_REVISION = 79
        FORWARDING_INSTRUCTIONS = 83
        FREIGHT_INVOICE = 89
        FULFILMENT_CANCELLATION = 97
        GOODS_ITEM_ITINERARY = 101
        GUARANTEE_CERTIFICATE = 103
        INSTRUCTION_FOR_RETURNS = 107
        INVENTORY_REPORT = 109
        INVOICE = 113
        ITEM_INFORMATION_REQUEST = 127
        ORDER = 131
        ORDER_CANCELLATION = 137
        ORDER_CHANGE = 139
        ORDER_RESPONSE = 149
        ORDER_RESPONSE_SIMPLE = 151
        PACKING_LIST = 157
        PRIOR_INFORMATION_NOTICE = 163
        PRODUCT_ACTIVITY = 167
        QUOTATION = 173
        RECEIPT_ADVICE = 179
        REMINDER = 181
        REMITTANCE_ADVICE = 191
        REQUEST_FOR_QUOTATION = 193
        RETAIL_EVENT = 197
        SELF_BILLED_CREDIT_NOTE = 199
        SELF_BILLED_INVOICE = 211
        STATEMENT = 223
        STOCK_AVAILABILITY_REPORT = 227
        TENDER = 229
        TENDERER_QUALIFICATION = 233
        TENDERER_QUALIFICATION_RESPONSE = 239
        TENDER_RECEIPT = 241
        TRADE_ITEM_LOCATION_PROFILE = 251
        TRANSPORTATION_STATUS = 257
        TRANSPORTATION_STATUS_REQUEST = 263
        TRANSPORT_EXECUTION_PLAN = 269
        TRANSPORT_EXECUTION_PLAN_REQUEST = 271
        TRANSPORT_PROGRESS_STATUS = 277
        TRANSPORT_PROGRESS_STATUS_REQUEST = 281
        TRANSPORT_SERVICE_DESCRIPTION = 283
        TRANSPORT_SERVICE_DESCRIPTION_REQUEST = 293
        UTILITY_STATEMENT = 307
        WAYBILL = 311
        AWARDED_NOTIFICATION = 313
```

```python
@unique
class CountryRegistry(IntFlag):
    AFGHANISTAN = 4
    ALAND_ISLANDS = 248
    ALBANIA = 8
    ALGERIA = 12
    AMERICAN_SAMOA = 16
    ANDORRA = 20
    ANGOLA = 24
    ANGUILLA = 660
    ANTARCTICA = 10
    ANTIGUA_AND_BARBUDA = 28
    ARGENTINA = 32
    ARMENIA = 51
    ARUBA = 533
    AUSTRALIA = 36
    AUSTRIA = 40
    AZERBAIJAN = 31
    THE_BAHAMAS = 44
    BAHRAIN = 48
    BANGLADESH = 50
    BARBADOS = 52
    BELARUS = 112
    BELGIUM = 56
    BELIZE = 84
    BENIN = 204
    BERMUDA = 60
    BHUTAN = 64
    PLURINATIONAL_STATE_OF_BOLIVIA = 68
    BONAIRE_SINT_EUSTATIUS_AND_SABA = 535
    BOSNIA_AND_HERZEGOVINA = 70
    BOTSWANA = 72
    BOUVET_ISLAND = 74
    BRAZIL = 76
    THE_BRITISH_INDIAN_OCEAN_TERRITORY = 86
    BRUNEI_DARUSSALAM = 96
    BULGARIA = 100
    BURKINA_FASO = 854
    BURUNDI = 108
    CABO_VERDE = 132
    CAMBODIA = 116
    CAMEROON = 120
    CANADA = 124
    THE_CAYMAN_ISLANDS = 136
    THE_CENTRAL_AFRICAN_REPUBLIC = 140
    CHAD = 148
    CHILE = 152
    CHINA = 156
    CHRISTMAS_ISLAND = 162
    THE_COCOS_KEELING_ISLANDS = 166
    COLOMBIA = 170
    THE_COMOROS = 174
```

```python
    THE_DEMOCRATIC_REPUBLIC_OF_THE_CONGO = 180
    THE_CONGO = 178
    THE_COOK_ISLANDS = 184
    COSTA_RICA = 188
    COTE_D_IVOIRE = 384
    CROATIA = 191
    CUBA = 192
    CURACAO = 531
    CYPRUS = 196
    CZECHIA = 203
    DENMARK = 208
    DJIBOUTI = 262
    DOMINICA = 212
    THE_DOMINICAN_REPUBLIC = 214
    ECUADOR = 218
    EGYPT = 818
    EL_SALVADOR = 222
    EQUATORIAL_GUINEA = 226
    ERITREA = 232
    ESTONIA = 233
    ETHIOPIA = 231
    THE_FALKLAND_ISLANDS = 238
    THE_FAROE_ISLANDS = 234
    FIJI = 242
    FINLAND = 246
    FRANCE = 250
    FRENCH_GUIANA = 254
    FRENCH_POLYNESIA = 258
    THE_FRENCH_SOUTHERN_TERRITORIES = 260
    GABON = 266
    THE_GAMBIA = 270
    GEORGIA = 268
    GERMANY = 276
    GHANA = 288
    GIBRALTAR = 292
    GREECE = 300
    GREENLAND = 304
    GRENADA = 308
    GUADELOUPE = 312
    GUAM = 316
    GUATEMALA = 320
    GUERNSEY = 831
    GUINEA = 324
    GUINEA_BISSAU = 624
    GUYANA = 328
    HAITI = 332
    HEARD_ISLAND_AND_McDONALD_ISLANDS = 334
    THE_HOLY_SEE = 336
    HONDURAS = 340
    HONG_KONG = 344
    HUNGARY = 348
    ICELAND = 352
```

```python
INDIA = 356
INDONESIA = 360
ISLAMIC_REPUBLIC_OF_IRAN = 364
IRAQ = 368
IRELAND = 372
ISLE_OF_MAN = 833
ISRAEL = 376
ITALY = 380
JAMAICA = 388
JAPAN = 392
JERSEY = 832
JORDAN = 400
KAZAKHSTAN = 398
KENYA = 404
KIRIBATI = 296
THE_DEMOCRATIC_PEOPLES_REPUBLIC_OF_KOREA = 408
THE_REPUBLIC_OF_KOREA = 410
KUWAIT = 414
KYRGYZSTAN = 417
THE_LAO_PEOPLES_DEMOCRATIC_REPUBLIC = 418
LATVIA = 428
LEBANON = 422
LESOTHO = 426
LIBERIA = 430
LIBYA = 434
LIECHTENSTEIN = 438
LITHUANIA = 440
LUXEMBOURG = 442
MACAO = 446
THE_FORMER_YUGOSLAV_REPUBLIC_OF_MACEDONIA = 807
MADAGASCAR = 450
MALAWI = 454
MALAYSIA = 458
MALDIVES = 462
MALI = 466
MALTA = 470
THE_MARSHALL_ISLANDS = 584
MARTINIQUE = 474
MAURITANIA = 478
MAURITIUS = 480
MAYOTTE = 175
MEXICO = 484
FEDERATED_STATES_OF_MICRONESIA = 583
THE_REPUBLIC_OF_MOLDOVA = 498
MONACO = 492
MONGOLIA = 496
MONTENEGRO = 499
MONTSERRAT = 500
MOROCCO = 504
MOZAMBIQUE = 508
MYANMAR = 104
NAMIBIA = 516
```

```python
    NAURU = 520
    NEPAL = 524
    THE_NETHERLANDS = 528
    NEW_CALEDONIA = 540
    NEW_ZEALAND = 554
    NICARAGUA = 558
    NIGER = 562
    NIGERIA = 566
    NIUE = 570
    NORFOLK_ISLAND = 574
    NORTHERN_MARIANA_ISLANDS = 580
    NORWAY = 578
    OMAN = 512
    PAKISTAN = 586
    PALAU = 585
    PALESTINE_STATE_OF = 275
    PANAMA = 591
    PAPUA_NEW_GUINEA = 598
    PARAGUAY = 600
    PERU = 604
    PHILIPPINES = 608
    PITCAIRN = 612
    POLAND = 616
    PORTUGAL = 620
    PUERTO_RICO = 630
    QATAR = 634
    REUNION = 638
    ROMANIA = 642
    THE_RUSSIAN_FEDERATION = 643
    RWANDA = 646
    SAINT_BARTHELEMY = 652
    SAINT_HELENA_ASCENSION_AND_TRISTAN_DA_CUNHA = 654
    SAINT_KITTS_AND_NEVIS = 659
    SAINT_LUCIA = 662
    SAINT_MARTIN_FRENCH_PART = 663
    SAINT_PIERRE_AND_MIQUELON = 666
    SAINT_VINCENT_AND_THE_GRENADINES = 670
    SAMOA = 882
    SAN_MARINO = 674
    SAO_TOME_AND_PRINCIPE = 678
    SAUDI_ARABIA = 682
    SENEGAL = 686
    SERBIA = 688
    SEYCHELLES = 690
    SIERRA_LEONE = 694
    SINGAPORE = 702
    SINT_MAARTEN_DUTCH_PART = 534
    SLOVAKIA = 703
    SLOVENIA = 705
    SOLOMON_ISLANDS = 90
    SOMALIA = 706
    SOUTH_AFRICA = 710
```

```python
        SOUTH_GEORGIA_AND_THE_SOUTH_SANDWICH_ISLANDS = 239
        SOUTH_SUDAN = 728
        SPAIN = 724
        SRI_LANKA = 144
        SUDAN = 729
        SURINAME = 740
        SVALBARD_AND_JAN_MAYEN = 744
        ESWATINI = 748
        SWEDEN = 752
        SWITZERLAND = 756
        SYRIAN_ARAB_REPUBLIC = 760
        TAIWAN_PROVINCE_OF_CHINA = 158
        TAJIKISTAN = 762
        UNITED_REPUBLIC_OF_TANZANIA = 834
        THAILAND = 764
        TIMOR_LESTE = 626
        TOGO = 768
        TOKELAU = 772
        TONGA = 776
        TRINIDAD_AND_TOBAGO = 780
        TUNISIA = 788
        TURKEY = 792
        TURKMENISTAN = 795
        TURKS_AND_CAICOS_ISLANDS = 796
        TUVALU = 798
        UGANDA = 800
        UKRAINE = 804
        THE_UNITED_ARAB_EMIRATES = 784
        THE_UNITED_KINGDOM_OF_GREAT_BRITAIN_AND_NORTHERN_IRELAND = 826
        THE_UNITED_STATES_MINOR_OUTLYING_ISLANDS = 581
        THE_UNITED_STATES_OF_AMERICA = 840
        URUGUAY = 858
        UZBEKISTAN = 860
        VANUATU = 548
        BOLIVARIAN_REPUBLIC_OF_VENEZUELA = 862
        VIET_NAM = 704
        VIRGIN_ISLANDS_BRITISH = 92
        VIRGIN_ISLANDS_US = 850
        WALLIS_AND_FUTUNA = 876
        WESTERN_SAHARA = 732
        YEMEN = 887
        ZAMBIA = 894
        ZIMBABWE = 716


class CountryCurrencyRegistry:
    # map countries to currency, code, numeric and minor
    __slots__ = '_currencies', '__weakref__'

    def __init__(self):
        self._currencies = dict()
        cr = CountryRegistry
```

```python
        fields = ['country', 'country_code', 'currency', 'currency_code',
                  'currency_numeric_code', 'currency_minor_unit']
        entries = namedtuple('CountryCurrency', fields)
        self._currencies[cr.AFGHANISTAN] = \
            entries('AFGHANISTAN', 'AFG', 'Afghani', 'AFN', '971', '2', )
        self._currencies[cr.ALAND_ISLANDS] = \
            entries('ALAND ISLANDS', 'ALA', 'Euro', 'EUR', '978', '2', )
        self._currencies[cr.ALBANIA] = \
            entries('ALBANIA', 'ALB', 'Lek', 'ALL', '008', '2', )
        self._currencies[cr.ALGERIA] = \
            entries('ALGERIA', 'DZA', 'Algerian Dinar', 'DZD', '012', '2', )
        self._currencies[cr.AMERICAN_SAMOA] = \
            entries('AMERICAN SAMOA', 'ASM', 'US Dollar', 'USD', '840', '2', )
        self._currencies[cr.ANDORRA] = \
            entries('ANDORRA', 'AND', 'Euro', 'EUR', '978', '2', )
        self._currencies[cr.ANGOLA] = \
            entries('ANGOLA', 'AGO', 'Kwanza', 'AOA', '973', '2', )
        self._currencies[cr.ANGUILLA] = \
            entries('ANGUILLA', 'AIA', 'East Caribbean Dollar', 'XCD', '951',
                    '2', )
        self._currencies[cr.ANTARCTICA] = \
            entries('ANTARCTICA', 'ATA', 'No universal currency', '', '', '', )
        self._currencies[cr.ANTIGUA_AND_BARBUDA] = \
            entries('ANTIGUA AND BARBUDA', 'ATG', 'East Caribbean Dollar',
                    'XCD', '951', '2', )
        self._currencies[cr.ARGENTINA] = \
            entries('ARGENTINA', 'ARG', 'Argentine Peso', 'ARS', '032', '2', )
        self._currencies[cr.ARMENIA] = \
            entries('ARMENIA', 'ARM', 'Armenian Dram', 'AMD', '051', '2', )
        self._currencies[cr.ARUBA] = \
            entries('ARUBA', 'ABW', 'Aruban Florin', 'AWG', '533', '2', )
        self._currencies[cr.AUSTRALIA] = \
            entries('AUSTRALIA', 'AUS', 'Australian Dollar', 'AUD', '036', '2')
        self._currencies[cr.AUSTRIA] = \
            entries('AUSTRIA', 'AUT', 'Euro', 'EUR', '978', '2', )
        self._currencies[cr.AZERBAIJAN] = \
            entries('AZERBAIJAN', 'AZE', 'Azerbaijan Manat', 'AZN', '944', '2',)
        self._currencies[cr.THE_BAHAMAS] = \
            entries('THE BAHAMAS', 'BHS', 'Bahamian Dollar', 'BSD', '044', '2',)
        self._currencies[cr.BAHRAIN] = \
            entries('BAHRAIN', 'BHR', 'Bahraini Dinar', 'BHD', '048', '3', )
        self._currencies[cr.BANGLADESH] = \
            entries('BANGLADESH', 'BGD', 'Taka', 'BDT', '050', '2', )
        self._currencies[cr.BARBADOS] = \
            entries('BARBADOS', 'BRB', 'Barbados Dollar', 'BBD', '052', '2', )
        self._currencies[cr.BELARUS] = \
            entries('BELARUS', 'BLR', 'Belarusian Ruble', 'BYN', '933', '2', )
        self._currencies[cr.BELGIUM] = \
            entries('BELGIUM', 'BEL', 'Euro', 'EUR', '978', '2', )
        self._currencies[cr.BELIZE] = \
            entries('BELIZE', 'BLZ', 'Belize Dollar', 'BZD', '084', '2', )
        self._currencies[cr.BENIN] = \
```

```python
            entries('BENIN', 'BEN', 'CFA Franc BCEAO', 'XOF', '952', '0', )
        self._currencies[cr.BERMUDA] = \
            entries('BERMUDA', 'BMU', 'Bermudian Dollar', 'BMD', '060', '2', )
        self._currencies[cr.BHUTAN] = \
            entries('BHUTAN', 'BTN', 'Indian Rupee', 'INR', '356', '2', )
        self._currencies[cr.BHUTAN] = \
            entries('BHUTAN', '', 'Ngultrum', 'BTN', '064', '2', )
        self._currencies[cr.PLURINATIONAL_STATE_OF_BOLIVIA] = \
            entries('PLURINATIONAL STATE OF BOLIVIA', 'BOL', 'Boliviano',
                    'BOB', '068', '2', )
        self._currencies[cr.PLURINATIONAL_STATE_OF_BOLIVIA] = \
            entries('PLURINATIONAL STATE OF BOLIVIA', '', 'Mvdol', 'BOV',
                    '984', '2', )
        self._currencies[cr.BONAIRE_SINT_EUSTATIUS_AND_SABA] = \
            entries('BONAIRE SINT EUSTATIUS AND SABA', 'BES', 'US Dollar',
                    'USD', '840', '2', )
        self._currencies[cr.BOSNIA_AND_HERZEGOVINA] = \
            entries('BOSNIA AND HERZEGOVINA', 'BIH', 'Convertible Mark',
                    'BAM', '977', '2', )
        self._currencies[cr.BOTSWANA] = \
            entries('BOTSWANA', 'BWA', 'Pula', 'BWP', '072', '2', )
        self._currencies[cr.BOUVET_ISLAND] = \
            entries('BOUVET ISLAND', 'BVT', 'Norwegian Krone', 'NOK', '578',
                    '2', )
        self._currencies[cr.BRAZIL] = \
            entries('BRAZIL', 'BRA', 'Brazilian Real', 'BRL', '986', '2', )
        self._currencies[cr.THE_BRITISH_INDIAN_OCEAN_TERRITORY] = \
            entries('THE BRITISH INDIAN OCEAN TERRITORY', 'IOT', 'US Dollar',
                    'USD', '840', '2', )
        self._currencies[cr.BRUNEI_DARUSSALAM] = \
            entries('BRUNEI DARUSSALAM', 'BRN', 'Brunei Dollar', 'BND',
                    '096', '2', )
        self._currencies[cr.BULGARIA] = \
            entries('BULGARIA', 'BGR', 'Bulgarian Lev', 'BGN', '975', '2', )
        self._currencies[cr.BURKINA_FASO] = \
            entries('BURKINA FASO', 'BFA', 'CFA Franc BCEAO', 'XOF', '952',
                    '0', )
        self._currencies[cr.BURUNDI] = \
            entries('BURUNDI', 'BDI', 'Burundi Franc', 'BIF', '108', '0', )
        self._currencies[cr.CABO_VERDE] = \
            entries('CABO VERDE', 'CPV', 'Cabo Verde Escudo', 'CVE', '132',
                    '2', )
        self._currencies[cr.CAMBODIA] = \
            entries('CAMBODIA', 'KHM', 'Riel', 'KHR', '116', '2', )
        self._currencies[cr.CAMEROON] = \
            entries('CAMEROON', 'CMR', 'CFA Franc BEAC', 'XAF', '950', '0', )
        self._currencies[cr.CANADA] = \
            entries('CANADA', 'CAN', 'Canadian Dollar', 'CAD', '124', '2', )
        self._currencies[cr.THE_CAYMAN_ISLANDS] = \
            entries('THE CAYMAN ISLANDS', 'CYM', 'Cayman Islands Dollar',
                    'KYD', '136', '2', )
        self._currencies[cr.THE_CENTRAL_AFRICAN_REPUBLIC] = \
```

```python
        entries('THE CENTRAL AFRICAN REPUBLIC', 'CAF', 'CFA Franc BEAC',
                'XAF', '950', '0', )
    self._currencies[cr.CHAD] = \
        entries('CHAD', 'TCD', 'CFA Franc BEAC', 'XAF', '950', '0', )
    self._currencies[cr.CHILE] = \
        entries('CHILE', 'CHL', 'Chilean Peso', 'CLP', '152', '0', )
    self._currencies[cr.CHILE] = \
        entries('CHILE', '', 'Unidad de Fomento', 'CLF', '990', '4', )
    self._currencies[cr.CHINA] = \
        entries('CHINA', 'CHN', 'Yuan Renminbi', 'CNY', '156', '2', )
    self._currencies[cr.CHRISTMAS_ISLAND] = \
        entries('CHRISTMAS ISLAND', 'CXR', 'Australian Dollar', 'AUD',
                '036', '2', )
    self._currencies[cr.THE_COCOS_KEELING_ISLANDS] = \
        entries('THE COCOS KEELING ISLANDS', 'CCK', 'Australian Dollar',
                'AUD', '036', '2', )
    self._currencies[cr.COLOMBIA] = \
        entries('COLOMBIA', 'COL', 'Colombian Peso', 'COP', '170', '2', )
    self._currencies[cr.COLOMBIA] = \
        entries('COLOMBIA', '', 'Unidad de Valor Real', 'COU', '970', '2', )
    self._currencies[cr.THE_COMOROS] = \
        entries('THE COMOROS', 'COM', 'Comorian Franc ', 'KMF', '174',
                '0', )
    self._currencies[cr.THE_DEMOCRATIC_REPUBLIC_OF_THE_CONGO] = \
        entries('THE DEMOCRATIC REPUBLIC OF THE CONGO', 'COD',
                'Congolese Franc', 'CDF', '976', '2', )
    self._currencies[cr.THE_CONGO] = \
        entries('THE CONGO', 'COG', 'CFA Franc BEAC', 'XAF', '950', '0', )
    self._currencies[cr.THE_COOK_ISLANDS] = \
        entries('THE COOK ISLANDS', 'COK', 'New Zealand Dollar', 'NZD',
                '554', '2', )
    self._currencies[cr.COSTA_RICA] = \
        entries('COSTA RICA', 'CRI', 'Costa Rican Colon', 'CRC', '188',
                '2', )
    self._currencies[cr.COTE_D_IVOIRE] = \
        entries('COTE D IVOIRE', 'CIV', 'CFA Franc BCEAO', 'XOF', '952',
                '0', )
    self._currencies[cr.CROATIA] = \
        entries('CROATIA', 'HRV', 'Kuna', 'HRK', '191', '2', )
    self._currencies[cr.CUBA] = \
        entries('CUBA', 'CUB', 'Cuban Peso', 'CUP', '192', '2', )
    self._currencies[cr.CUBA] = \
        entries('CUBA', '', 'Peso Convertible', 'CUC', '931', '2', )
    self._currencies[cr.CURACAO] = \
        entries('CURACAO', 'CUW', 'Netherlands Antillean Guilder', 'ANG',
                '532', '2', )
    self._currencies[cr.CYPRUS] = \
        entries('CYPRUS', 'CYP', 'Euro', 'EUR', '978', '2', )
    self._currencies[cr.CZECHIA] = \
        entries('CZECHIA', 'CZE', 'Czech Koruna', 'CZK', '203', '2', )
    self._currencies[cr.DENMARK] = \
        entries('DENMARK', 'DNK', 'Danish Krone', 'DKK', '208', '2', )
```

```python
        self._currencies[cr.DJIBOUTI] = \
            entries('DJIBOUTI', 'DJI', 'Djibouti Franc', 'DJF', '262', '0', )
        self._currencies[cr.DOMINICA] = \
            entries('DOMINICA', 'DMA', 'East Caribbean Dollar', 'XCD', '951',
                    '2', )
        self._currencies[cr.THE_DOMINICAN_REPUBLIC] = \
            entries('THE DOMINICAN REPUBLIC', 'DOM', 'Dominican Peso',
                    'DOP', '214', '2', )
        self._currencies[cr.ECUADOR] = \
            entries('ECUADOR', 'ECU', 'US Dollar', 'USD', '840', '2', )
        self._currencies[cr.EGYPT] = \
            entries('EGYPT', 'EGY', 'Egyptian Pound', 'EGP', '818', '2', )
        self._currencies[cr.EL_SALVADOR] = \
            entries('EL SALVADOR', 'SLV', 'El Salvador Colon', 'SVC', '222',
                    '2', )
        self._currencies[cr.EL_SALVADOR] = \
            entries('EL SALVADOR', '', 'US Dollar', 'USD', '840', '2', )
        self._currencies[cr.EQUATORIAL_GUINEA] = \
            entries('EQUATORIAL GUINEA', 'GNQ', 'CFA Franc BEAC', 'XAF',
                    '950', '0', )
        self._currencies[cr.ERITREA] = \
            entries('ERITREA', 'ERI', 'Nakfa', 'ERN', '232', '2', )
        self._currencies[cr.ESTONIA] = \
            entries('ESTONIA', 'EST', 'Euro', 'EUR', '978', '2', )
        self._currencies[cr.ETHIOPIA] = \
            entries('ETHIOPIA', 'ETH', 'Ethiopian Birr', 'ETB', '230', '2', )
        self._currencies[cr.EUROPEAN_UNION] = \
            entries('EUROPEAN UNION', '', 'Euro', 'EUR', '978', '2', )
        self._currencies[cr.THE_FALKLAND_ISLANDS] = \
            entries('THE FALKLAND ISLANDS', 'FLK', 'Falkland Islands Pound',
                    'FKP', '238', '2', )
        self._currencies[cr.THE_FAROE_ISLANDS] = \
            entries('THE FAROE ISLANDS', 'FRO', 'Danish Krone', 'DKK', '208',
                    '2', )
        self._currencies[cr.FIJI] = \
            entries('FIJI', 'FJI', 'Fiji Dollar', 'FJD', '242', '2', )
        self._currencies[cr.FINLAND] = \
            entries('FINLAND', 'FIN', 'Euro', 'EUR', '978', '2', )
        self._currencies[cr.FRANCE] = \
            entries('FRANCE', 'FRA', 'Euro', 'EUR', '978', '2', )
        self._currencies[cr.FRENCH_GUIANA] = \
            entries('FRENCH GUIANA', 'GUF', 'Euro', 'EUR', '978', '2', )
        self._currencies[cr.FRENCH_POLYNESIA] = \
            entries('FRENCH POLYNESIA', 'PYF', 'CFP Franc', 'XPF', '953', '0', )
        self._currencies[cr.THE_FRENCH_SOUTHERN_TERRITORIES] = \
            entries('THE FRENCH SOUTHERN TERRITORIES', 'ATF', 'Euro', 'EUR',
                    '978', '2', )
        self._currencies[cr.GABON] = \
            entries('GABON', 'GAB', 'CFA Franc BEAC', 'XAF', '950', '0', )
        self._currencies[cr.THE_GAMBIA] = \
            entries('THE GAMBIA', 'GMB', 'Dalasi', 'GMD', '270', '2', )
        self._currencies[cr.GEORGIA] = \
```

```python
            entries('GEORGIA', 'GEO', 'Lari', 'GEL', '981', '2', )
        self._currencies[cr.GERMANY] = \
            entries('GERMANY', 'DEU', 'Euro', 'EUR', '978', '2', )
        self._currencies[cr.GHANA] = \
            entries('GHANA', 'GHA', 'Ghana Cedi', 'GHS', '936', '2', )
        self._currencies[cr.GIBRALTAR] = \
            entries('GIBRALTAR', 'GIB', 'Gibraltar Pound', 'GIP', '292', '2', )
        self._currencies[cr.GREECE] = \
            entries('GREECE', 'GRC', 'Euro', 'EUR', '978', '2', )
        self._currencies[cr.GREENLAND] = \
            entries('GREENLAND', 'GRL', 'Danish Krone', 'DKK', '208', '2', )
        self._currencies[cr.GRENADA] = \
            entries('GRENADA', 'GRD', 'East Caribbean Dollar', 'XCD', '951',
                    '2', )
        self._currencies[cr.GUADELOUPE] = \
            entries('GUADELOUPE', 'GLP', 'Euro', 'EUR', '978', '2', )
        self._currencies[cr.GUAM] = \
            entries('GUAM', 'GUM', 'US Dollar', 'USD', '840', '2', )
        self._currencies[cr.GUATEMALA] = \
            entries('GUATEMALA', 'GTM', 'Quetzal', 'GTQ', '320', '2', )
        self._currencies[cr.GUERNSEY] = \
            entries('GUERNSEY', 'GGY', 'Pound Sterling', 'GBP', '826', '2', )
        self._currencies[cr.GUINEA] = \
            entries('GUINEA', 'GIN', 'Guinean Franc', 'GNF', '324', '0', )
        self._currencies[cr.GUINEA_BISSAU] = \
            entries('GUINEA_BISSAU', 'GNB', 'CFA Franc BCEAO', 'XOF', '952',
                    '0', )
        self._currencies[cr.GUYANA] = \
            entries('GUYANA', 'GUY', 'Guyana Dollar', 'GYD', '328', '2', )
        self._currencies[cr.HAITI] = \
            entries('HAITI', 'HTI', 'Gourde', 'HTG', '332', '2', )
        self._currencies[cr.HAITI] = \
            entries('HAITI', '', 'US Dollar', 'USD', '840', '2', )
        self._currencies[cr.HEARD_ISLAND_AND_McDONALD_ISLANDS] = \
            entries('HEARD ISLAND AND McDONALD ISLANDS', 'HMD',
                    'Australian Dollar', 'AUD', '036', '2', )
        self._currencies[cr.THE_HOLY_SEE] = \
            entries('THE HOLY SEE', 'VAT', 'Euro', 'EUR', '978', '2', )
        self._currencies[cr.HONDURAS] = \
            entries('HONDURAS', 'HND', 'Lempira', 'HNL', '340', '2', )
        self._currencies[cr.HONG_KONG] = \
            entries('HONG KONG', 'HKG', 'Hong Kong Dollar', 'HKD', '344', '2', )
        self._currencies[cr.HUNGARY] = \
            entries('HUNGARY', 'HUN', 'Forint', 'HUF', '348', '2', )
        self._currencies[cr.ICELAND] = \
            entries('ICELAND', 'ISL', 'Iceland Krona', 'ISK', '352', '0', )
        self._currencies[cr.INDIA] = \
            entries('INDIA', 'IND', 'Indian Rupee', 'INR', '356', '2', )
        self._currencies[cr.INDONESIA] = \
            entries('INDONESIA', 'IDN', 'Rupiah', 'IDR', '360', '2', )
        self._currencies[cr.INTERNATIONAL_MONETARY_FUND_IMF] = \
            entries('INTERNATIONAL MONETARY FUND IMF', '',
```

```python
                   'SDR (Special Drawing Right)', 'XDR', '960', 'N.A.', )
           self._currencies[cr.ISLAMIC_REPUBLIC_OF_IRAN] = \
               entries('ISLAMIC REPUBLIC OF IRAN', 'IRN', 'Iranian Rial', 'IRR',
                       '364', '2', )
           self._currencies[cr.IRAQ] = \
               entries('IRAQ', 'IRQ', 'Iraqi Dinar', 'IQD', '368', '3', )
           self._currencies[cr.IRELAND] = \
               entries('IRELAND', 'IRL', 'Euro', 'EUR', '978', '2', )
           self._currencies[cr.ISLE_OF_MAN] = \
               entries('ISLE OF MAN', 'IMN', 'Pound Sterling', 'GBP', '826', '2', )
           self._currencies[cr.ISRAEL] = \
               entries('ISRAEL', 'ISR', 'New Israeli Sheqel', 'ILS', '376', '2', )
           self._currencies[cr.ITALY] = \
               entries('ITALY', 'ITA', 'Euro', 'EUR', '978', '2', )
           self._currencies[cr.JAMAICA] = \
               entries('JAMAICA', 'JAM', 'Jamaican Dollar', 'JMD', '388', '2', )
           self._currencies[cr.JAPAN] = \
               entries('JAPAN', 'JPN', 'Yen', 'JPY', '392', '0', )
           self._currencies[cr.JERSEY] = \
               entries('JERSEY', 'JEY', 'Pound Sterling', 'GBP', '826', '2', )
           self._currencies[cr.JORDAN] = \
               entries('JORDAN', 'JOR', 'Jordanian Dinar', 'JOD', '400', '3', )
           self._currencies[cr.KAZAKHSTAN] = \
               entries('KAZAKHSTAN', 'KAZ', 'Tenge', 'KZT', '398', '2', )
           self._currencies[cr.KENYA] = \
               entries('KENYA', 'KEN', 'Kenyan Shilling', 'KES', '404', '2', )
           self._currencies[cr.KIRIBATI] = \
               entries('KIRIBATI', 'KIR', 'Australian Dollar', 'AUD', '036', '2', )
           self._currencies[cr.THE_DEMOCRATIC_PEOPLES_REPUBLIC_OF_KOREA] = \
               entries('THE DEMOCRATIC PEOPLE'S REPUBLIC OF KOREA', 'PRK',
                       'North Korean Won', 'KPW', '408', '2', )
           self._currencies[cr.THE_REPUBLIC_OF_KOREA] = \
               entries('THE REPUBLIC OF KOREA', 'KOR', 'Won', 'KRW', '410', '0', )
           self._currencies[cr.KUWAIT] = \
               entries('KUWAIT', 'KWT', 'Kuwaiti Dinar', 'KWD', '414', '3', )
           self._currencies[cr.KYRGYZSTAN] = \
               entries('KYRGYZSTAN', 'KGZ', 'Som', 'KGS', '417', '2', )
           self._currencies[cr.THE_LAO_PEOPLES_DEMOCRATIC_REPUBLIC]\
               = \
               entries('THE LAO PEOPLES DEMOCRATIC REPUBLIC', 'LAO', 'Lao Kip',
                       'LAK', '418', '2', )
           self._currencies[cr.LATVIA] = \
               entries('LATVIA', 'LVA', 'Euro', 'EUR', '978', '2', )
           self._currencies[cr.LEBANON] = \
               entries('LEBANON', 'LBN', 'Lebanese Pound', 'LBP', '422', '2', )
           self._currencies[cr.LESOTHO] = \
               entries('LESOTHO', 'LSO', 'Loti', 'LSL', '426', '2', )
           self._currencies[cr.LESOTHO] = \
               entries('LESOTHO', '', 'Rand', 'ZAR', '710', '2', )
           self._currencies[cr.LIBERIA] = \
               entries('LIBERIA', 'LBR', 'Liberian Dollar', 'LRD', '430', '2', )
           self._currencies[cr.LIBYA] = \
```

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            entries('LIBYA', 'LBY', 'Libyan Dinar', 'LYD', '434', '3', )
        self._currencies[cr.LIECHTENSTEIN] = \
            entries('LIECHTENSTEIN', 'LIE', 'Swiss Franc', 'CHF', '756', '2', )
        self._currencies[cr.LITHUANIA] = \
            entries('LITHUANIA', 'LTU', 'Euro', 'EUR', '978', '2', )
        self._currencies[cr.LUXEMBOURG] = \
            entries('LUXEMBOURG', 'LUX', 'Euro', 'EUR', '978', '2', )
        self._currencies[cr.MACAO] = \
            entries('MACAO', 'MAC', 'Pataca', 'MOP', '446', '2', )
        self._currencies[
            cr.THE_FORMER_YUGOSLAV_REPUBLIC_OF_MACEDONIA] = \
            entries('THE FORMER YUGOSLAV REPUBLIC OF MACEDONIA', 'MKD',
                        'Denar', 'MKD', '807', '2', )
        self._currencies[cr.MADAGASCAR] = \
            entries('MADAGASCAR', 'MDG', 'Malagasy Ariary', 'MGA', '969', '2', )
        self._currencies[cr.MALAWI] = \
            entries('MALAWI', 'MWI', 'Malawi Kwacha', 'MWK', '454', '2', )
        self._currencies[cr.MALAYSIA] = \
            entries('MALAYSIA', 'MYS', 'Malaysian Ringgit', 'MYR', '458', '2', )
        self._currencies[cr.MALDIVES] = \
            entries('MALDIVES', 'MDV', 'Rufiyaa', 'MVR', '462', '2', )
        self._currencies[cr.MALI] = \
            entries('MALI', 'MLI', 'CFA Franc BCEAO', 'XOF', '952', '0', )
        self._currencies[cr.MALTA] = \
            entries('MALTA', 'MLT', 'Euro', 'EUR', '978', '2', )
        self._currencies[cr.THE_MARSHALL_ISLANDS] = \
            entries('THE MARSHALL ISLANDS', 'MHL', 'US Dollar', 'USD', '840',
                    '2', )
        self._currencies[cr.MARTINIQUE] = \
            entries('MARTINIQUE', 'MTQ', 'Euro', 'EUR', '978', '2', )
        self._currencies[cr.MAURITANIA] = \
            entries('MAURITANIA', 'MRT', 'Ouguiya', 'MRU', '929', '2', )
        self._currencies[cr.MAURITIUS] = \
            entries('MAURITIUS', 'MUS', 'Mauritius Rupee', 'MUR', '480', '2', )
        self._currencies[cr.MAYOTTE] = \
            entries('MAYOTTE', 'MYT', 'Euro', 'EUR', '978', '2', )
        self._currencies[
            cr.MEMBER_COUNTRIES_OF_THE_AFRICAN_DEVELOPMENT_BANK_GROUP] = \
            entries(
                'MEMBER COUNTRIES OF THE AFRICAN DEVELOPMENT BANK GROUP', '',
                'ADB Unit of Account', 'XUA', '965', 'N.A.', )
        self._currencies[cr.MEXICO] = \
            entries('MEXICO', 'MEX', 'Mexican Peso', 'MXN', '484', '2', )
        self._currencies[cr.MEXICO] = \
            entries('MEXICO', '', 'Mexican Unidad de Inversion (UDI)', 'MXV',
                    '979', '2', )
        self._currencies[cr.FEDERATED_STATES_OF_MICRONESIA] = \
            entries('FEDERATED STATES OF MICRONESIA', 'FSM', 'US Dollar',
                    'USD', '840', '2', )
        self._currencies[cr.THE_REPUBLIC_OF_MOLDOVA] = \
            entries('THE REPUBLIC OF MOLDOVA', 'MDA', 'Moldovan Leu', 'MDL',
                    '498', '2', )
```

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            self._currencies[cr.MONACO] = \
                entries('MONACO', 'MCO', 'Euro', 'EUR', '978', '2', )
            self._currencies[cr.MONGOLIA] = \
                entries('MONGOLIA', 'MNG', 'Tugrik', 'MNT', '496', '2', )
            self._currencies[cr.MONTENEGRO] = \
                entries('MONTENEGRO', 'MNE', 'Euro', 'EUR', '978', '2', )
            self._currencies[cr.MONTSERRAT] = \
                entries('MONTSERRAT', 'MSR', 'East Caribbean Dollar', 'XCD',
                        '951', '2', )
            self._currencies[cr.MOROCCO] = \
                entries('MOROCCO', 'MAR', 'Moroccan Dirham', 'MAD', '504', '2', )
            self._currencies[cr.MOZAMBIQUE] = \
                entries('MOZAMBIQUE', 'MOZ', 'Mozambique Metical', 'MZN', '943',
                        '2', )
            self._currencies[cr.MYANMAR] = \
                entries('MYANMAR', 'MMR', 'Kyat', 'MMK', '104', '2', )
            self._currencies[cr.NAMIBIA] = \
                entries('NAMIBIA', 'NAM', 'Namibia Dollar', 'NAD', '516', '2', )
            self._currencies[cr.NAMIBIA] = \
                entries('NAMIBIA', '', 'Rand', 'ZAR', '710', '2', )
            self._currencies[cr.NAURU] = \
                entries('NAURU', 'NRU', 'Australian Dollar', 'AUD', '036', '2', )
            self._currencies[cr.NEPAL] = \
                entries('NEPAL', 'NPL', 'Nepalese Rupee', 'NPR', '524', '2', )
            self._currencies[cr.THE_NETHERLANDS] = \
                entries('THE NETHERLANDS', 'NLD', 'Euro', 'EUR', '978', '2', )
            self._currencies[cr.NEW_CALEDONIA] = \
                entries('NEW CALEDONIA', 'NCL', 'CFP Franc', 'XPF', '953', '0', )
            self._currencies[cr.NEW_ZEALAND] = \
                entries('NEW ZEALAND', 'NZL', 'New Zealand Dollar', 'NZD',
                        '554', '2', )
            self._currencies[cr.NICARAGUA] = \
                entries('NICARAGUA', 'NIC', 'Cordoba Oro', 'NIO', '558', '2', )
            self._currencies[cr.NIGER] = \
                entries('NIGER', 'NER', 'CFA Franc BCEAO', 'XOF', '952', '0', )
            self._currencies[cr.NIGERIA] = \
                entries('NIGERIA', 'NGA', 'Naira', 'NGN', '566', '2', )
            self._currencies[cr.NIUE] = \
                entries('NIUE', 'NIU', 'New Zealand Dollar', 'NZD', '554', '2', )
            self._currencies[cr.NORFOLK_ISLAND] = \
                entries('NORFOLK ISLAND', 'NFK', 'Australian Dollar', 'AUD',
                        '036', '2', )
            self._currencies[cr.NORTHERN_MARIANA_ISLANDS] = \
                entries('NORTHERN MARIANA ISLANDS', 'MNP', 'US Dollar', 'USD',
                        '840', '2',)
            self._currencies[cr.NORWAY] = \
                entries('NORWAY', 'NOR', 'Norwegian Krone', 'NOK', '578', '2', )
            self._currencies[cr.OMAN] = \
                entries('OMAN', 'OMN', 'Rial Omani', 'OMR', '512', '3', )
            self._currencies[cr.PAKISTAN] = \
                entries('PAKISTAN', 'PAK', 'Pakistan Rupee', 'PKR', '586', '2', )
            self._currencies[cr.PALAU] = \
```

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            entries('PALAU', 'PLW', 'US Dollar', 'USD', '840', '2', )
        self._currencies[cr.PALESTINE_STATE_OF] = \
            entries('PALESTINE STATE OF', 'PSE', 'No universal currency', '',
                    '', '', )
        self._currencies[cr.PANAMA] = \
            entries('PANAMA', 'PAN', 'Balboa', 'PAB', '590', '2', )
        self._currencies[cr.PANAMA] = \
            entries('PANAMA', '', 'US Dollar', 'USD', '840', '2', )
        self._currencies[cr.PAPUA_NEW_GUINEA] = \
            entries('PAPUA NEW GUINEA', 'PNG', 'Kina', 'PGK', '598', '2', )
        self._currencies[cr.PARAGUAY] = \
            entries('PARAGUAY', 'PRY', 'Guarani', 'PYG', '600', '0', )
        self._currencies[cr.PERU] = \
            entries('PERU', 'PER', 'Sol', 'PEN', '604', '2', )
        self._currencies[cr.PHILIPPINES] = \
            entries('PHILIPPINES', 'PHL', 'Philippine Peso', 'PHP', '608',
                    '2', )
        self._currencies[cr.PITCAIRN] = \
            entries('PITCAIRN', 'PCN', 'New Zealand Dollar', 'NZD', '554',
                    '2', )
        self._currencies[cr.POLAND] = \
            entries('POLAND', 'POL', 'Zloty', 'PLN', '985', '2', )
        self._currencies[cr.PORTUGAL] = \
            entries('PORTUGAL', 'PRT', 'Euro', 'EUR', '978', '2', )
        self._currencies[cr.PUERTO_RICO] = \
            entries('PUERTO RICO', 'PRI', 'US Dollar', 'USD', '840', '2', )
        self._currencies[cr.QATAR] = \
            entries('QATAR', 'QAT', 'Qatari Rial', 'QAR', '634', '2', )
        self._currencies[cr.REUNION] = \
            entries('REUNION', 'REU', 'Euro', 'EUR', '978', '2', )
        self._currencies[cr.ROMANIA] = \
            entries('ROMANIA', 'ROU', 'Romanian Leu', 'RON', '946', '2', )
        self._currencies[cr.THE_RUSSIAN_FEDERATION] = \
            entries('THE RUSSIAN FEDERATION', 'RUS', 'Russian Ruble', 'RUB',
                    '643', '2', )
        self._currencies[cr.RWANDA] = \
            entries('RWANDA', 'RWA', 'Rwanda Franc', 'RWF', '646', '0', )
        self._currencies[cr.SAINT_BARTHELEMY] = \
            entries('SAINT BARTHELEMY', 'BLM', 'Euro', 'EUR', '978', '2', )
        self._currencies[
            cr.SAINT_HELENA_ASCENSION_AND_TRISTAN_DA_CUNHA] = \
            entries('SAINT HELENA ASCENSION AND TRISTAN DA CUNHA', 'SHN',
                    'Saint Helena Pound', 'SHP', '654', '2', )
        self._currencies[cr.SAINT_KITTS_AND_NEVIS] = \
            entries('SAINT KITTS AND NEVIS', 'KNA',
                    'East Caribbean Dollar', 'XCD', '951', '2', )
        self._currencies[cr.SAINT_LUCIA] = \
            entries('SAINT LUCIA', 'LCA', 'East Caribbean Dollar', 'XCD',
                    '951', '2', )
        self._currencies[cr.SAINT_MARTIN_FRENCH_PART] = \
            entries('SAINT MARTIN FRENCH PART', 'MAF', 'Euro', 'EUR',
                    '978', '2', )
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        self._currencies[cr.SAINT_PIERRE_AND_MIQUELON] = \
            entries('SAINT PIERRE AND MIQUELON', 'SPM', 'Euro', 'EUR',
                        '978', '2', )
        self._currencies[cr.SAINT_VINCENT_AND_THE_GRENADINES] = \
            entries('SAINT VINCENT AND THE GRENADINES', 'VCT',
                        'East Caribbean Dollar', 'XCD', '951', '2', )
        self._currencies[cr.SAMOA] = \
            entries('SAMOA', 'WSM', 'Tala', 'WST', '882', '2', )
        self._currencies[cr.SAN_MARINO] = \
            entries('SAN MARINO', 'SMR', 'Euro', 'EUR', '978', '2', )
        self._currencies[cr.SAO_TOME_AND_PRINCIPE] = \
            entries('SAO TOME AND PRINCIPE', 'STP', 'Dobra', 'STN', '930',
                        '2', )
        self._currencies[cr.SAUDI_ARABIA] = \
            entries('SAUDI ARABIA', 'SAU', 'Saudi Riyal', 'SAR', '682', '2', )
        self._currencies[cr.SENEGAL] = \
            entries('SENEGAL', 'SEN', 'CFA Franc BCEAO', 'XOF', '952', '0', )
        self._currencies[cr.SERBIA] = \
            entries('SERBIA', 'SRB', 'Serbian Dinar', 'RSD', '941', '2', )
        self._currencies[cr.SEYCHELLES] = \
            entries('SEYCHELLES', 'SYC', 'Seychelles Rupee', 'SCR', '690',
                        '2', )
        self._currencies[cr.SIERRA_LEONE] = \
            entries('SIERRA LEONE', 'SLE', 'Leone', 'SLL', '694', '2', )
        self._currencies[cr.SINGAPORE] = \
            entries('SINGAPORE', 'SGP', 'Singapore Dollar', 'SGD', '702', '2', )
        self._currencies[cr.SINT_MAARTEN_DUTCH_PART] = \
            entries('SINT MAARTEN DUTCH PART', 'SXM',
                        'Netherlands Antillean Guilder', 'ANG', '532', '2', )
        self._currencies[
            cr.SISTEMA_UNITARIO_DE_COMPENSACION_REGIONAL_DE_PAGOS_SUCRE] = \
            entries(
                'SISTEMA UNITARIO DE COMPENSACION REGIONAL DE PAGOS SUCRE', '',
                'Sucre', 'XSU', '994', 'N.A.', )
        self._currencies[cr.SLOVAKIA] = \
            entries('SLOVAKIA', 'SVK', 'Euro', 'EUR', '978', '2', )
        self._currencies[cr.SLOVENIA] = \
            entries('SLOVENIA', 'SVN', 'Euro', 'EUR', '978', '2', )
        self._currencies[cr.SOLOMON_ISLANDS] = \
            entries('SOLOMON ISLANDS', 'SLB', 'Solomon Islands Dollar',
                        'SBD', '090', '2', )
        self._currencies[cr.SOMALIA] = \
            entries('SOMALIA', 'SOM', 'Somali Shilling', 'SOS', '706', '2', )
        self._currencies[cr.SOUTH_AFRICA] = \
            entries('SOUTH AFRICA', 'ZAF', 'Rand', 'ZAR', '710', '2', )
        self._currencies[
            cr.SOUTH_GEORGIA_AND_THE_SOUTH_SANDWICH_ISLANDS] = \
            entries('SOUTH GEORGIA AND THE SOUTH SANDWICH ISLANDS',
                        'SGS', 'No universal currency', '', '', '', )
        self._currencies[cr.SOUTH_SUDAN] = \
            entries('SOUTH SUDAN', 'SSD', 'South Sudanese Pound', 'SSP',
                        '728', '2', )
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        self._currencies[cr.SPAIN] = \
            entries('SPAIN', 'ESP', 'Euro', 'EUR', '978', '2', )
        self._currencies[cr.SRI_LANKA] = \
            entries('SRI LANKA', 'LKA', 'Sri Lanka Rupee', 'LKR', '144', '2', )
        self._currencies[cr.SUDAN] = \
            entries('SUDAN', 'SDN', 'Sudanese Pound', 'SDG', '938', '2', )
        self._currencies[cr.SURINAME] = \
            entries('SURINAME', 'SUR', 'Surinam Dollar', 'SRD', '968', '2', )
        self._currencies[cr.SVALBARD_AND_JAN_MAYEN] = \
            entries('SVALBARD AND JAN MAYEN', 'SJM', 'Norwegian Krone',
                        'NOK', '578', '2', )
        self._currencies[cr.ESWATINI] = \
            entries('ESWATINI', 'SWZ', 'Lilangeni', 'SZL', '748', '2', )
        self._currencies[cr.SWEDEN] = \
            entries('SWEDEN', 'SWE', 'Swedish Krona', 'SEK', '752', '2', )
        self._currencies[cr.SWITZERLAND] = \
            entries('SWITZERLAND', 'CHE', 'Swiss Franc', 'CHF', '756', '2', )
        self._currencies[cr.SWITZERLAND] = \
            entries('SWITZERLAND', '', 'WIR Euro', 'CHE', '947', '2', )
        self._currencies[cr.SWITZERLAND] = \
            entries('SWITZERLAND', '', 'WIR Franc', 'CHW', '948', '2', )
        self._currencies[cr.SYRIAN_ARAB_REPUBLIC] = \
            entries('SYRIAN ARAB REPUBLIC', 'SYR', 'Syrian Pound', 'SYP',
                        '760', '2', )
        self._currencies[cr.TAIWAN_PROVINCE_OF_CHINA] = \
            entries('TAIWAN PROVINCE OF CHINA', 'TWN',
                        'New Taiwan Dollar', 'TWD', '901', '2', )
        self._currencies[cr.TAJIKISTAN] = \
            entries('TAJIKISTAN', 'TJK', 'Somoni', 'TJS', '972', '2', )
        self._currencies[cr.UNITED_REPUBLIC_OF_TANZANIA] = \
            entries('UNITED REPUBLIC OF TANZANIA', 'TZA',
                        'Tanzanian Shilling', 'TZS', '834', '2', )
        self._currencies[cr.THAILAND] = \
            entries('THAILAND', 'THA', 'Baht', 'THB', '764', '2', )
        self._currencies[cr.TIMOR_LESTE] = \
            entries('TIMOR LESTE', 'TLS', 'US Dollar', 'USD', '840', '2', )
        self._currencies[cr.TOGO] = \
            entries('TOGO', 'TGO', 'CFA Franc BCEAO', 'XOF', '952', '0', )
        self._currencies[cr.TOKELAU] = \
            entries('TOKELAU', 'TKL', 'New Zealand Dollar', 'NZD', '554', '2', )
        self._currencies[cr.TONGA] = \
            entries('TONGA', 'TON', 'Pa’anga', 'TOP', '776', '2', )
        self._currencies[cr.TRINIDAD_AND_TOBAGO] = \
            entries('TRINIDAD AND TOBAGO', 'TTO',
                        'Trinidad and Tobago Dollar', 'TTD', '780', '2', )
        self._currencies[cr.TUNISIA] = \
            entries('TUNISIA', 'TUN', 'Tunisian Dinar', 'TND', '788', '3', )
        self._currencies[cr.TURKEY] = \
            entries('TURKEY', 'TUR', 'Turkish Lira', 'TRY', '949', '2', )
        self._currencies[cr.TURKMENISTAN] = \
            entries('TURKMENISTAN', 'TKM', 'Turkmenistan New Manat',
                        'TMT', '934', '2', )
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        self._currencies[cr.TURKS_AND_CAICOS_ISLANDS] = \
            entries('TURKS AND CAICOS ISLANDS', 'TCA', 'US Dollar',
                            'USD', '840', '2', )
        self._currencies[cr.TUVALU] = \
            entries('TUVALU', 'TUV', 'Australian Dollar', 'AUD', '036', '2', )
        self._currencies[cr.UGANDA] = \
            entries('UGANDA', 'UGA', 'Uganda Shilling', 'UGX', '800', '0', )
        self._currencies[cr.UKRAINE] = \
            entries('UKRAINE', 'UKR', 'Hryvnia', 'UAH', '980', '2', )
        self._currencies[cr.THE_UNITED_ARAB_EMIRATES] = \
            entries('THE UNITED ARAB EMIRATES', 'ARE', 'UAE Dirham', 'AED',
                    '784', '2', )
        self._currencies[
            cr.THE_UNITED_KINGDOM_OF_GREAT_BRITAIN_AND_NORTHERN_IRELAND] = \
            entries(
                'THE UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND',
                'GBR', 'Pound Sterling', 'GBP', '826', '2', )
        self._currencies[
            cr.THE_UNITED_STATES_MINOR_OUTLYING_ISLANDS] = \
            entries('THE UNITED STATES MINOR OUTLYING ISLANDS', 'UMI',
                    'US Dollar', 'USD', '840', '2', )
        self._currencies[cr.THE_UNITED_STATES_OF_AMERICA] = \
            entries('THE UNITED STATES OF AMERICA', 'USA', 'US Dollar',
                    'USD', '840', '2', )
        self._currencies[cr.THE_UNITED_STATES_OF_AMERICA] = \
            entries('THE UNITED STATES OF AMERICA', '',
                    'US Dollar (Next day)', 'USN', '997', '2', )
        self._currencies[cr.URUGUAY] = \
            entries('URUGUAY', 'URY', 'Peso Uruguayo', 'UYU', '858', '2', )
        self._currencies[cr.URUGUAY] = \
            entries('URUGUAY', '', 'Uruguay Peso en Unidades Indexadas (UI)',
                    'UYI', '940', '0', )
        self._currencies[cr.URUGUAY] = \
            entries('URUGUAY', '', 'Unidad Previsional', 'UYW', '927', '4', )
        self._currencies[cr.UZBEKISTAN] = \
            entries('UZBEKISTAN', 'UZB', 'Uzbekistan Sum', 'UZS', '860', '2', )
        self._currencies[cr.VANUATU] = \
            entries('VANUATU', 'VUT', 'Vatu', 'VUV', '548', '0', )
        self._currencies[cr.BOLIVARIAN_REPUBLIC_OF_VENEZUELA] = \
            entries('BOLIVARIAN REPUBLIC OF VENEZUELA', 'VEN',
                            'Bolívar Soberano', 'VES', '928', '2', )
        self._currencies[cr.VIET_NAM] = \
            entries('VIET NAM', 'VNM', 'Dong', 'VND', '704', '0', )
        self._currencies[cr.VIRGIN_ISLANDS_BRITISH] = \
            entries('VIRGIN ISLANDS BRITISH', 'VGB', 'US Dollar', 'USD',
                    '840', '2', )
        self._currencies[cr.VIRGIN_ISLANDS_US] = \
            entries('VIRGIN ISLANDS US', 'VIR', 'US Dollar', 'USD', '840', '2',)
        self._currencies[cr.WALLIS_AND_FUTUNA] = \
            entries('WALLIS AND FUTUNA', 'WLF', 'CFP Franc', 'XPF', '953',
                    '0',)
        self._currencies[cr.WESTERN_SAHARA] = \
```

```python
                entries('WESTERN SAHARA', 'ESH', 'Moroccan Dirham', 'MAD', '504',
                        '2',)
            self._currencies[cr.YEMEN] = \
                entries('YEMEN', 'YEM', 'Yemeni Rial', 'YER', '886', '2', )
            self._currencies[cr.ZAMBIA] = \
                entries('ZAMBIA', 'ZMB', 'Zambian Kwacha', 'ZMW', '967', '2', )
            self._currencies[cr.ZIMBABWE] = \
                entries('ZIMBABWE', 'ZWE', 'Zimbabwe Dollar', 'ZWL', '932', '2', )

        def __iter__(self):
            for entry in self._currencies:
                yield entry

        def __getitem__(self, item):
            if isinstance(item, CountryRegistry):
                return self._currencies[item]
            else:
                raise IndexError('Unknown country index for lookup')

        def __contains__(self, item):
            return item in self._currencies

        def __setitem__(self, key, value):
            raise RuntimeError('Entries in the lookup cannot be altered')


class UBLComponentRegistry:

    __slots__ = 'registry', 'binary', 'code', 'asbie', 'datetime_', \
                'measure', 'quantity', 'numeric', 'text', 'identifier', \
                'indicator', 'name', 'amount', 'values', '__weakref__'

    def __init__(self):
        self.binary = BinaryObjectType.mock()
        self.code = CodeType.mock('SAMPLE', pattern=r'/(\w+)/', max_length=5)
        self.asbie = AssociatedBusinessEntity.mock()
        self.datetime_ = DateTimeType.mock()
        self.measure = MeasureType.mock(0.0, kwargs={})
        self.quantity = QuantityType.mock(0, kwargs={})
        self.numeric = NumericType.mock(0.0, kwargs={})
        self.text = TextType.mock('Sample', pattern=r'\w+', max_length=100)
        self.identifier = IdentifierType.mock('sample', pattern=r'/w+/')
        self.indicator = IndicatorType.mock()
        self.name = NameType.mock('Sample Name', pattern=r'\w+', max_length=20)
        self.amount = AmountType.mock(0.0, currency='NAIRA',
                                      currency_code='NGN', version_id='2.1')
        binary = self.binary
        code = self.code
        asbie = self.asbie
        datetime_ = self.datetime_
        measure = self.measure
        quantity = self.quantity
```

```python
        numeric = self.numeric
        text = self.text
        identifier = self.identifier
        indicator = self.indicator
        name = self.name
        amount = self.amount

        self.values = iter([
            [
                ('id', identifier),
                ('supply_chain_activity_type_code', code),
                ('buyer_customer_party', asbie),
                ('seller_supplier_party', asbie),
                ('activity_period', asbie),
                ('activity_origin_location', asbie),
                ('activity_final_location', asbie),
                ('sales_item', asbie),
            ],
            [
                ('name', name),
                ('value', text),
            ],
            [
                ('id', identifier),
                ('address_type_code', code),
                ('address_format_code', code),
                ('postbox', text),
                ('floor', text),
                ('room', text),
                ('street_name', name),
                ('additional_street_name', name),
                ('block_name', name),
                ('building_name', name),
                ('building_number', text),
                ('inhouse_mail', text),
                ('department', text),
                ('mark_attention', text),
                ('mark_care', text),
                ('plot_identification', text),
                ('city_subdivision_name', name),
                ('city_name', name),
                ('postal_zone', text),
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```python
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```python
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                ('progress_percent', numeric),
                ('start_date', datetime_),
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                ('work_order_document_reference', asbie),
            ],
        ])
        self.registry = dict(zip(ComponentRegistry, self.values))


class UBLDocumentRegistry:
    __slots__ = 'registry', 'code', 'asbie', 'datetime_', \
                'measure', 'quantity', 'numeric', 'text', 'identifier', \
                'indicator', 'name', 'amount', 'values', '__weakref__'

    def __init__(self):
        self.code = CodeType.mock('SAMPLE', pattern=r'/(\w+)/', max_length=5)
        self.asbie = AssociatedBusinessEntity.mock()
        self.datetime_ = DateTimeType.mock()
        self.measure = MeasureType.mock(0.0, kwargs={})
        self.quantity = QuantityType.mock(0, kwargs={})
        self.numeric = NumericType.mock(0.0, kwargs={})
        self.text = TextType.mock('Sample', pattern=r'\w+', max_length=100)
        self.identifier = IdentifierType.mock('sample', pattern=r'/w+/')
```

```python
            self.indicator = IndicatorType.mock()
            self.name = NameType.mock('Sample Name', pattern=r'\w+', max_length=20)
            self.amount = AmountType.mock(0.0, currency='NAIRA',
                                          currency_code='NGN', version_id='2.1')

        code = self.code
        datetime_ = self.datetime_
        asbie = self.asbie
        measure = self.measure
        quantity = self.quantity
        numeric = self.numeric
        text = self.text
        identifier = self.identifier
        indicator = self.indicator
        name = self.name
        amount = self.amount

        self.values = iter([
            [
                # Application Response
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                ('profile_execution_id', identifier),
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                ('uuid', identifier),
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                ('issue_time', datetime_),
                ('response_date', datetime_),
                ('response_time', datetime_),
                ('note', text),
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                ('signature', asbie),
                ('sender_party', asbie),
                ('receiver_party', asbie),
                ('document_response', asbie),
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            [
                # Attached Document
                ('ubl_version_id', identifier),
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                ('profile_id', identifier),
                ('profile_execution_id', identifier),
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                ('uuid', identifier),
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                ('issue_time', datetime_),
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                ('document_type', text),
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```python
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            ('receiver_party', asbie),
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            # Unawarded Notification
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            ('profile_execution_id', identifier),
            ('id', identifier),
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            ('appeal_terms', asbie),
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            # Bill of Lading
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            ('ad_valorem_indicator', indicator),
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            ('carrier_party', asbie),
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```python
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            # Call For Tenders
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            # Catalogue
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```python
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            ('trading_terms', asbie),
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        [
            # Catalogue Deletion
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            # Catalogue Item Specification Update
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```python
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            # Catalogue Pricing Update
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                ('seller_supplier_party', asbie),
                ('originator_customer_party', asbie),
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                # Document Status
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                ('profile_execution_id', identifier),
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                ('receiver_party', asbie),
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                ('additional_document_response', asbie),
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                # Document Status Request
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```python
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                # Retail Event
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        ('billing_reference', asbie),
        ('despatch_document_reference', asbie),
        ('receipt_document_reference', asbie),
        ('contract_document_reference', asbie),
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        ('additional_document_reference', asbie),
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```

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                    # Tender Qualification
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                        # Awarded Notification
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                ])

            self.registry = dict(zip(DocumentRegistry, self.values))


class UBLSchemaRegistry:

    def __init__(self):
        base_url = 'http://docs.oasis-open.org/ubl/os-UBL-2.1/UBL-2.1.html'
        values = iter([
            '%s%s' % (base_url, '#T-APPLICATION-RESPONSE'),
            '%s%s' % (base_url, '#T-ATTACHED-DOCUMENT'),
            '%s%s' % (base_url, '#T-UNAWARDED-NOTIFICATION'),
            '%s%s' % (base_url, '#T-BILL-OF-LADING'),
            '%s%s' % (base_url, '#T-CALL-FOR-TENDERS'),
            '%s%s' % (base_url, '#T-CATALOGUE'),
            '%s%s' % (base_url, '#T-CATALOGUE-DELETION'),
            '%s%s' % (base_url, '#T-CATALOGUE-ITEM-SPECIFICATION-UPDATE'),
            '%s%s' % (base_url, '#T-CATALOGUE-PRICING-UPDATE'),
            '%s%s' % (base_url, '#T-CATALOGUE-REQUEST'),
            '%s%s' % (base_url, '#T-CERTIFICATE-OF-ORIGIN'),
            '%s%s' % (base_url, '#T-CONTRACT-AWARD-NOTICE'),
            '%s%s' % (base_url, '#T-CONTRACT-NOTICE'),
            '%s%s' % (base_url, '#T-CREDIT-NOTE'),
            '%s%s' % (base_url, '#T-DEBIT-NOTE'),
            '%s%s' % (base_url, '#T-DESPATCH-ADVICE'),
```

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        '%s%s' % (base_url, '#T-DOCUMENT-STATUS'),
        '%s%s' % (base_url, '#T-DOCUMENT-STATUS-REQUEST'),
        '%s%s' % (base_url, '#T-EXCEPTION-CRITERIA'),
        '%s%s' % (base_url, '#T-EXCEPTION-NOTIFICATION'),
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        '%s%s' % (base_url, '#T-GOODS-ITEM-ITINERARY'),
        '%s%s' % (base_url, '#T-GUARANTEE-CERTIFICATE'),
        '%s%s' % (base_url, '#T-INSTRUCTION-FOR-RETURNS'),
        '%s%s' % (base_url, '#T-INVENTORY-REPORT'),
        '%s%s' % (base_url, '#T-INVOICE'),
        '%s%s' % (base_url, '#T-ITEM-INFORMATION-REQUEST'),
        '%s%s' % (base_url, '#T-ORDER'),
        '%s%s' % (base_url, '#T-ORDER-CANCELLATION'),
        '%s%s' % (base_url, '#T-ORDER-CHANGE'),
        '%s%s' % (base_url, '#T-ORDER-RESPONSE'),
        '%s%s' % (base_url, '#T-ORDER-RESPONSE-SIMPLE'),
        '%s%s' % (base_url, '#T-PACKING-LIST'),
        '%s%s' % (base_url, '#T-PRIOR-INFORMATION-NOTICE'),
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        '%s%s' % (base_url, '#T-SELF-BILLED-INVOICE'),
        '%s%s' % (base_url, '#T-STATEMENT'),
        '%s%s' % (base_url, '#T-STOCK-AVAILABILITY-REPORT'),
        '%s%s' % (base_url, '#T-TENDER'),
        '%s%s' % (base_url, '#T-TENDER-RECEIPT'),
        '%s%s' % (base_url, '#T-TENDERER-QUALIFICATION-RESPONSE'),
        '%s%s' % (base_url, '#T-TENDERER-QUALIFICATION'),
        '%s%s' % (base_url, '#T-TRADE-ITEM-LOCATION-PROFILE'),
        '%s%s' % (base_url, '#T-TRANSPORT-EXECUTION-PLAN'),
        '%s%s' % (base_url, '#T-TRANSPORT-EXECUTION-PLAN-REQUEST'),
        '%s%s' % (base_url, '#T-TRANSPORT-PROGRESS-STATUS'),
        '%s%s' % (base_url, '#T-TRANSPORT-PROGRESS-STATUS-REQUEST'),
        '%s%s' % (base_url, '#T-TRANSPORT-SERVICE-DESCRIPTION'),
        '%s%s' % (base_url, '#T-TRANSPORT-SERVICE-DESCRIPTION-REQUEST'),
        '%s%s' % (base_url, '#T-TRANSPORTATION-STATUS'),
        '%s%s' % (base_url, '#T-TRANSPORTATION-STATUS-REQUEST'),
        '%s%s' % (base_url, '#T-UTILITY-STATEMENT'),
        '%s%s' % (base_url, '#T-WAYBILL'),
        '%s%s' % (base_url, '#T-AWARDED-NOTIFICATION'),
    ])
    self.registry = dict(zip(DocumentRegistry, values))
```

```python
class BaseIterator(Iterable):

    def __init__(self):
        self.registry = dict()

    def __getitem__(self, item):
        return self.registry.get(item)

    def __contains__(self, item):
        return item in self.registry

    def __setitem__(self, key, value):
        alias = self.__class__.__name__
        raise RuntimeError('%s definitions, key: %s and value: %s cannot be '
                           'modified' % alias, key, value)

    def __delattr__(self, item):
        alias = self.__class__.__name__
        raise RuntimeError('%s attribute, %s cannot be deleted' % alias, item)

    def __iter__(self):
        for entry in self.registry:
            yield entry

    @classmethod
    def get(cls, item):
        return cls().registry.get(item)


class ComponentIterator(BaseIterator):

    def __init__(self):
        super(ComponentIterator, self).__init__()
        self.registry = UBLComponentRegistry().registry


class DocumentIterator(BaseIterator):

    def __init__(self):
        super(DocumentIterator, self).__init__()
        self.registry = UBLDocumentRegistry().registry


class SchemaIterator(BaseIterator):

    def __init__(self):
        super(SchemaIterator, self).__init__()
        self.registry = UBLSchemaRegistry().registry


class Descriptor:
```

```python
    _registry = None

    def __get__(self, instance, owner):
        if instance or owner:
            return self._registry

    def __set__(self, instance, value):
        alias = instance.__class__.__name__
        raise RuntimeError('%s definitions cannot be modified' % alias)

    def __delete__(self, instance):
        alias = instance.__class__.__name__
        raise RuntimeError('%s definitions cannot be modified' % alias)


class ComponentDescriptor(Descriptor):

    def __init__(self):
        self._registry = UBLComponentRegistry().registry


class DocumentDescriptor(Descriptor):
    def __init__(self):
        self._registry = UBLDocumentRegistry().registry


class SchemaDescriptor(Descriptor):
    def __init__(self):
        self._registry = UBLSchemaRegistry().registry


class Components(ComponentIterator):
    __registry__ = Descriptor()

    def __init__(self):
        super(Components, self).__init__()

    @classmethod
    def field_definition(cls, component, field):
        data = None
        entries = cls.get(component)
        if entries:
            check = itertools.filterfalse(lambda x, y: x != field,
                                          entries.keys())
            if check:
                _, data = check.pop()
        return type(data)


class Documents(DocumentIterator):

    __registry__ = DocumentDescriptor()
```

```python
    @classmethod
    def is_valid(cls, document, definition=None):
        # determine if a given document meets the specified or
        # default definition
        # definition should be an iterable of fields and respective values
        document_map = cls.get(document)
        return document_map == definition

    @classmethod
    def document_definition(cls, document):
        document_map = cls.get(document)
        if document_map:
            return dict(document_map)


class Schemas(SchemaIterator):
    # URI schema definition for listed documents
    __registry__ = SchemaDescriptor()

    def __init__(self):
        super(Schemas, self).__init__()

    def __iter__(self):
        schemas = itertools.filterfalse(lambda x: x == 'base_url',
                                        self.registry)
        for schema in schemas:
            yield schema

    @classmethod
    def schemas(cls):
        return itertools.filterfalse(lambda x: x == 'base_url',
                                     cls().registry)

    @classmethod
    def document_schema(cls, name):
        return cls().registry.get(name)


class BusinessProcesses(DocumentIterator):

    def __init__(self):
        super(BusinessProcesses, self).__init__()
        bd = DocumentRegistry
        self.registry = dict(zip(
            (
                ProcessRegistry.BILLING,
                ProcessRegistry.CATALOGUE,
                ProcessRegistry.CERTIFICATE_OF_ORIGIN_OF_GOODS,
                ProcessRegistry.CHANGES_TO_THE_ARTICLE_CATALOGUE,
                ProcessRegistry.CHANGES_TO_THE_ITEM_CATALOGUE,
                ProcessRegistry.COLLABORATIVE_PLANNING,
```

```python
                    ProcessRegistry.CREATE_CATALOGUE,
                    ProcessRegistry.CYCLIC_REPLENISHMENT_PROGRAM,
                    ProcessRegistry.DELETE_CATALOGUE,
                    ProcessRegistry.FORECASTING,
                    ProcessRegistry.FREIGHT_BILLING,
                    ProcessRegistry.FREIGHT_MANAGEMENT,
                    ProcessRegistry.FREIGHT_STATUS_REPORTING,
                    ProcessRegistry.FULFILLMENT,
                    ProcessRegistry.FULFILMENT_WITH_DESPATCH_ADVICE,
                    ProcessRegistry.FULFILMENT_WITH_RECEIPT_ADVICE,
                    ProcessRegistry.INITIAL_STOCKING_OF_THE_AREA_BY_PRODUCER,
                    ProcessRegistry.INTERMODAL_FREIGHT_MANAGEMENT,
                    ProcessRegistry.ORDERING,
                    ProcessRegistry.PAYMENT_NOTIFICATION,
                    ProcessRegistry.PERMANENT_REPLENISHMENT,
                    ProcessRegistry.PRICE_ADJUSTMENTS,
                    ProcessRegistry.QUOTATION,
                    ProcessRegistry.REPLENISHMENT,
                    ProcessRegistry.TENDERING,
                    ProcessRegistry.TRANSFER_OF_BASE_ITEM_CATALOGUE,
                    ProcessRegistry.UPDATE_CATALOGUE_ITEM_SPECIFICATION,
                    ProcessRegistry.UPDATE_CATALOGUE_PRICING,
                    ProcessRegistry.UTILITY_BILLING,
                    ProcessRegistry.VENDOR_INVENTORY,
                ),
                (
                    (bd.APPLICATION_RESPONSE, bd.ATTACHED_DOCUMENT,
                     bd.DOCUMENT_STATUS,
                     bd.DOCUMENT_STATUS_REQUEST),
                    (bd.CREDIT_NOTE, bd.DEBIT_NOTE, bd.INVOICE, bd.REMINDER,
                     bd.SELF_BILLED_CREDIT_NOTE, bd.SELF_BILLED_INVOICE,
                     bd.STATEMENT),
                    (bd.CATALOGUE, bd.CATALOGUE_DELETION,
                     bd.CATALOGUE_ITEM_SPECIFICATION_UPDATE,
                     bd.CATALOGUE_PRICING_UPDATE, bd.CATALOGUE_REQUEST),
                    (bd.CERTIFICATE_OF_ORIGIN, ),
                    (bd.CATALOGUE, ),
                    (bd.CATALOGUE, ),
                    (bd.EXCEPTION_CRITERIA, bd.EXCEPTION_NOTIFICATION, bd.FORECAST,
                     bd.ITEM_INFORMATION_REQUEST, bd.PRODUCT_ACTIVITY,
                     bd.TRADE_ITEM_LOCATION_PROFILE),
                    (bd.CATALOGUE, ),
                    (bd.INSTRUCTION_FOR_RETURNS, bd.INVENTORY_REPORT,
                     bd.RETAIL_EVENT, bd.STOCK_AVAILABILITY_REPORT),
                    (bd.CATALOGUE, ),
                    (bd.EXCEPTION_CRITERIA, ),
                    (bd.FREIGHT_INVOICE, ),
                    (bd.BILL_OF_LADING, ),
                    (bd.TRANSPORTATION_STATUS, ),
                    (bd.DESPATCH_ADVICE, bd.ORDER_CANCELLATION, bd.ORDER_CHANGE,
                     bd.RECEIPT_ADVICE, ),
                    (bd.FULFILMENT_CANCELLATION, ),
```

```python
                        (bd.FULFILMENT_CANCELLATION, ),
                        (bd.CATALOGUE, ),
                        (bd.GOODS_ITEM_ITINERARY, bd.TRANSPORT_EXECUTION_PLAN,
                         bd.TRANSPORT_EXECUTION_PLAN_REQUEST,
                         bd.TRANSPORT_PROGRESS_STATUS,
                         bd.TRANSPORT_PROGRESS_STATUS_REQUEST,
                         bd.TRANSPORT_SERVICE_DESCRIPTION,
                         bd.TRANSPORT_SERVICE_DESCRIPTION_REQUEST),
                        (bd.ORDER, bd.ORDER_CANCELLATION, bd.ORDER_CHANGE,
                         bd.ORDER_RESPONSE, bd.ORDER_RESPONSE_SIMPLE),
                        (bd.REMITTANCE_ADVICE, ),
                        (bd.CATALOGUE, ),
                        (bd.CATALOGUE, ),
                        (bd.QUOTATION, bd.REQUEST_FOR_QUOTATION),
                        (bd.EXCEPTION_CRITERIA, bd.EXCEPTION_NOTIFICATION, bd.FORECAST,
                         bd.FORECAST_REVISION, bd.FORECAST_REVISION,
                         bd.ITEM_INFORMATION_REQUEST,
                         bd.PRODUCT_ACTIVITY, bd.TRADE_ITEM_LOCATION_PROFILE),
                        (bd.AWARDED_NOTIFICATION, bd.CALL_FOR_TENDERS,
                         bd.CONTRACT_AWARD_NOTICE,
                         bd.CONTRACT_NOTICE, bd.GUARANTEE_CERTIFICATE,
                         bd.PRIOR_INFORMATION_NOTICE, bd.TENDER,
                         bd.TENDERER_QUALIFICATION,
                         bd.TENDERER_QUALIFICATION_RESPONSE, bd.TENDER_RECEIPT,
                         bd.UNAWARDED_NOTIFICATION),
                        (bd.CATALOGUE, ),
                        (bd.CATALOGUE, ),
                        (bd.CATALOGUE, ),
                        (bd.UTILITY_STATEMENT, ),
                        (bd.PRODUCT_ACTIVITY, ),
                    )
                ))

        @staticmethod
        def document_lookup(self, process, documents=None):
            transaction_docs = self.registry.get(process, None)
            if transaction_docs and isinstance(documents, list):
                return itertools.chain(transaction_docs, (x for x in documents if
                                                          x in ComponentRegistry))
            else:
                return iter(transaction_docs)
```