



**GO** PORTFOLIO

goAML

Schema 5.0.1 vs  
Schema 4.02

<https://unite.un.org/goportfolio>

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# 1 Report Node

<p><b>New <u>schema_version</u></b> The element will host the schema version which was used to generate the XML. This will help the application to better validate and handle the submitted XMLs based on their schema version.</p>	<p><b>5.1</b></p>	
<p><b>New <u>prev_rejected_ref_number</u></b> The element can host the original entity_ref_number (or Original Web Report Key if entity_ref_number is not available) of a previously rejected report. The field will allow the FIU to better follow-up on rejected reports.</p>	<p><b>5.1</b></p>	
<p><b>New <u>report_date</u></b> This is a suggestion to phase out the current “submission_date” and replace it with better name. “submission_date” element will be removed in future schemas because it has a confusing name.</p>	<p><b>5.1</b></p>	
<p><b>New <u>Activity Node</u></b> in transaction mode, this will allow the FIU to introduce report types with hybrid mode where it is based on transactions, but some related subjects can still be reported although they are not direct party of any reported transaction.</p>	<p><b>5.0</b></p>	
<p><b>New <u>reporting_user_code</u></b> Currently, “reporting person” node can contain any name/details of a person, with no way to check if he/she is indeed a compliance officer in that RE. The “user_code” will be forced to have a valid user code of the RE or its delegation structure.</p>	<p><b>5.1</b></p>	
<p><b>New <u>additional_information</u></b> A new optional generic node for adding any unplanned extra information. See dedicated section.</p>	<p><b>5.2</b></p>	

## 2 Transaction Node

<p><b>Updated Transaction Number and Internal Ref Number</b> Both Elements length was extended to 100 chars instead of 50</p> <p><b>New Transaction is suspicious</b> element was added to indicate if the transaction is considered suspicious from the RE point of view.</p> <p><b>New agent name</b> element was added to host the agent name in money transfer agencies case when the report is done by main service provider</p>	<p><u>5.1</u></p> <p><u>5.1</u></p> <p><u>5.1</u></p>	
<p><b>New Transaction Address</b> node was added in parallel to “<b>transaction_location</b>” element. The new node is a full address node.</p>	<p><u>5.1</u></p>	
<p><b>New Transaction Type</b> element is suggested to answer the WHAT question while the current transaction_mode can be dedicated then to answer the HOW</p>	<p><u>5.1</u></p>	
<p><b>New Transaction Status</b> element to describe if transaction was executed, on hold, blocked, ..etc. (Enumeration)</p>	<p><u>5.1</u></p>	
<p><b>New means_of_transport</b> capture customs related reports where subjects carry money cross borders as well as possible TBML reporting</p>	<p><u>5.2</u></p>	

### 3 From Node

<p><b>“From transaction Additional Information”:</b> covers Virtual Currency and Mobile Money related transaction element.</p>	<p><u>5.1</u></p>	
<p><b>“conductor_is_suspected”</b> (Boolean) Indicates if the conductor is a suspected party in this transaction</p>	<p><u>5.1</u></p>	
<p><b>“Conductor”</b> has its own type now (Copy of person)</p>	<p><u>5.1</u></p>	
<p><b>“From is Suspected”</b> Boolean.</p>	<p><u>5.1</u></p>	
<p><b>“Virtual Address”</b> and <b>“Client Wallet”</b> will be reported using the Account Node in Virtua Currency Transactions.</p>	<p><u>5.1</u></p>	

# 4 To Node

<p><b>“To transaction Additional Information”:</b> covers Virtual Currency and Mobile Money related transaction element.</p>	<p><u>5.1</u></p>	
<p><b>“To is Suspected”</b> Boolean.</p>	<p><u>5.1</u></p>	
<p><b>“Virtual Address”</b> and <b>“Client Wallet”</b> will be reported using the Account Node in Virtua Currency Transactions.</p>	<p><u>5.1</u></p>	

## 5 Transaction Additional Info Node

<p><b>“transaction_Additional Information”:</b></p> <p>covers Virtual Currency and Mobile Money related transaction element in the FROM/TO and multiparty sides.</p>	<p><b>5.1</b></p>	<p>The diagram shows a hierarchical structure for the 'transaction_additional_info_type' node. It branches into 'network_device', 'block_number', and 'virtual_address'. The 'network_device' node further branches into a 'network_device_type' group, which includes 'device_number', 'operating_system', 'service_provider', and 'ip_address'.</p>
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## 6 Means of Transport

<p><b>“means_of_transport”:</b></p> <p>A new complex node to capture customs related reports where subjects carry money cross borders as well as possible TBML reporting. The node supports multi routes per transaction with details regarding the reported point, transportation mode (Air, Sea, Road, Train, ..etc.), transportation type (Comm. Airline, Private Jet, Vessel, Cruise Ship, Car, Bus, ..etc.), then step direction, status, date, carrier details as well location details of each route.</p>	<p><b>5.2</b></p>	<p>The diagram shows a hierarchical structure for the 'means_of_transport' node. It branches into 'routing' and 'means_of_transport'. The 'routing' node further branches into a 'route_type' group, which includes 'reporting_point', 'transport_mode', 'transport_type', 'carrier_name', 'carrier_number', 'step_number', 'step_code', 'step_date', 'step_status', 'place', 'country_code', and 'comments'. The 'means_of_transport' node is also associated with a '1..∞' cardinality.</p>
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# 7 Party Node

<p><b>This type is used to represent Multi-Party transaction parties.</b></p> <p><b>“funds_type”</b> Just a cosmetic change. The added sequence will force the RE to report first the funds code before being able to submit comments. It was possible before to submit comments with no funds code.</p> <p><b>“transaction Additional Information”:</b> covers Virtual Currency and Mobile Money related transaction element.</p> <p><b>“is_suspected”</b> Boolean, to indicate if the party is suspected or not.</p> <p><b>“reason”</b> String. Describe the suspicion reason of this party.</p>	<p><b>5.1</b></p> <p><b>5.1</b></p> <p><b>5.1</b></p> <p><b>5.1</b></p>	
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## 8 Report Party Node

<p><b>This type is used to represent Parties of an Activity Report.</b></p> <p><b>“role”</b> Enumeration. Was available only in Multi-Party transactions but not in Activity report parties. The enumerations will be different from the multi-party roles.</p> <p><b>“my_clinet_P/A/E”</b> Now it is possible to use my client version of P/A/E in activity report.</p> <p><b>“country”</b> Enumeration. Was available only in Multi-Party transactions but not in Activity report parties.</p> <p><b>“is_suspected”</b> Boolean, to indicate if the party is suspected or not.</p>	<p><u>5.2</u></p> <p><u>5.2</u></p> <p><u>5.2</u></p> <p><u>5.2</u></p>	
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## 9 Person Node

<p>New <b>Country of Birth</b></p> <p>Country of birth is an essential information which was missing in goAML before.</p>	<p><u>5.2</u></p>	
<p>New <b>Foreign language Full name.</b></p> <p>The new element will allow reporting the persons' name in a foreign language so it can be used as part of uniqueness and linking keys</p>	<p><u>5.2</u></p>	
<p>New <b>Previous Names</b> multi-occurrence node which will allow reporting a list of previous names for the person. Each Name contains First and Last Name in addition to a comments field to provide the context.</p>	<p><u>5.2</u></p>	
<p>New date element "<b>residence _since</b>" was introduced to assist reporting since when the person has a resident status in the relevant country</p>	<p><u>5.2</u></p>	
<p>New <b>network_devices</b> node was added which supports multi occurrence of "network device" – collection of devices and ip address. See "Network Device" node details below.</p>	<p><u>5.2</u></p>	
<p>New Choice was introduced to allow deprecating the current root level of 5 emails and replace it with cover node <b>emails</b> and unlimited number of single <b>email</b> element.</p>	<p><u>5.2</u></p>	

<p>New <b>Social_Media</b> A new optional 1-many relation to report various social accounts.</p>	<p><u>5.2</u></p>	
<p>New <b>“Employment History”</b> A choice to support many occurrences of employment information.</p>	<p><u>5.2</u></p>	
<p>New Choice was introduced to allow deprecating the current root level Identification node and replace it with cover node <b>Identifications</b> with many occurrences of single <b>Identification</b> element .</p>	<p><u>5.2</u></p>	
<p><b>New peps</b> element. REs can now Indicate if the reported person is a Politically Exposed Person with few additional attributes</p>	<p><u>5.2</u></p>	
<p><b>New is_protected</b> boolean element, can be used for example to avoid disseminating protected subjects – goAML will just maintain the field. FIUs must decide on how to use.</p>	<p><u>5.2</u></p>	
<p>New <b>sanctions</b> node was added which supports multi occurrence of “sanction list”</p>	<p><u>5.2</u></p>	
<p><b>New related_persons</b> An optional multiple relation sub node between a reported person and his/her social network.</p>	<p><u>5.2</u></p>	
<p>New <b>business relationship</b> A new optional node to host the starting and dates of the relationship between the <b>Reporting Entity</b> and the Entity as well as client number and comments. Relation will be stored in a dedicated RE&gt;&gt;Entity relation tab in Entity screen</p>	<p><u>5.2</u></p>	
<p>New <b>additional_information</b> A new optional generic node for adding any unplanned extra information. See dedicated section.</p>	<p><u>5.2</u></p>	

# 10 Previous Names Node

<p><b>New <i>previous_name</i></b></p> <p>multi-occurrence node which will allow reporting a list of previous names for the person. Each Name contains First and Last Name in addition to a comments field to provide the context.</p>	<p><b>5.2</b></p>	
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# 11 Employment Node

<p><b>“Employment History “</b></p> <p>A choice to support many occurrences of employment information including employer name, business, identification, phones, addresses and employment date range.</p> <p>Current single employer 3 elements info will be deprecated in future schemas</p>	<p><b>5.2</b></p>	
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## 12 Social Media Node

<p><b>Social_Media</b> A new optional 1-many relation to report various social accounts. Platform is free text element.</p>	<p><u>5.2</u></p>	
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## 13 Email Node

<p>New Choice was introduced to allow deprecating the current root level 5 emails and replace it with cover node <b>EMAILS</b> and many occurrences of single <b>email</b> element.</p>	<p><u>5.2</u></p>	
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## 14 Person Identifications Node

<p>New Choice was introduced to allow deprecating the current root level Identification node and replace it with cover node <b>Identifications</b> with many occurrences of single <b>Identification</b> element.</p>	<p><u>5.2</u></p>	
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## 15 PEPs Node

<p><b>New <span style="color: red;">peps</span> element</b></p> <p>REs can now Indicate if the reported person is a Politically Exposed Person with few additional attributes, like country, function name and description, date range and general comments.</p> <p>Multiple occurrence PEP info is supported as well</p>	<p><b>5.2</b></p>	
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## 16 Sanctions Node

<p><b>New <span style="color: red;">sanctions</span> node</b> was added which supports multi occurrence of “sanction list”. Each Sanction list contains several details about the list like providing source, list name, matching criteria, date of joining/exiting a list, ..etc.</p>	<p><b>5.2</b></p>	
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## 17 Related Persons Node

<p><b>New <span style="color: red;">related_persons</span></b></p> <p>An optional multiple relation sub node between a reported person and his/her social network.</p>	<p><b>5.2</b></p>	
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# 18 RE Relationship Node

<p>New <b>business relationship</b> A new optional date range node to host the starting and dates of the relationship between the <b>Reporting Entity</b> and the person.</p> <p>Relation will be stored in a dedicated RE&gt;&gt;Person relation tab in Person screen</p>	<p><u>5.2</u></p>	
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# Additional Information Node

<p>New <b>additional_information</b></p> <p>A new optional generic node for adding any number of unplanned extra information in a controlled way. FIUs can introduce new types of additional info and use the appropriate value field(s) for it. The node is implemented for Reports, Persons, Accounts and Entities.</p>	<p><u>5.2</u></p>	
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# 19 Account Node

<p><b>New Institution Country</b></p> <p>Indicates the country of the banking institution hosting the account</p>	<p><u>5.1</u></p>	
<p><b>Updated Account</b></p> <p>The element length is extended to 255 chars</p> <p><b>New Collection Account</b></p> <p>The new element will allow Reporting Entities to indicate that the reported account is a collection account and is not own really by the reported subject. In such cases, it is advices to report the related subject using the beneficiary element when there is not enough information about the subject details.</p>	<p><u>5.1</u></p>	
<p><b>New Account Category</b></p> <p>The new element will allow different presentations of the Account element, e.g, Account, IBAN, Payment Card, Email and Mobile number as well as <b>Virtual Addresses</b> and <b>Wallets</b>. The new schema will support different regex constrains of Account field based on the Account category.</p>	<p><u>5.1</u></p>	
<p><b>New Account Funds</b></p> <p>The new element will allow capturing different funds for the same account. This will be implemented first to handle <b>Wallet</b> funds but can be extended later.</p>	<p><u>5.1</u></p>	
<p><b>New Account Type</b></p> <p>The new choice and element will allow deprecated the legacy <code>personal_account_type</code> with a more accurate name.</p>	<p><u>5.1</u></p>	

<p>NEW <b>related_entities</b></p> <p>A new one to many relations to allow Reporting Entities to report several entities having some kind of relation to an account in addition to the current Entity owning the account node.</p>	<p><u>5.1</u></p>	
<p>New <b>related_persons</b></p> <p>New Choice was introduced to allow deprecating the current root level <b>Signatory</b> node and replace it with cover node <b>related_persons</b> with multiple occurrences of single <b>related_person</b> element.</p>	<p><u>5.1</u></p>	
<p>New <b>related_accounts</b></p> <p>A new one to many relations to allow Reporting Entities to report several accounts as related to the main reported account (See details below).</p>	<p><u>5.1</u></p>	
<p>New <b>status_date</b></p> <p>A new element to indicate the date of the existing status element.</p>	<p><u>5.1</u></p>	
<p>New <b>network_devices</b> node was added which supports multi occurrence of “network device”. See “Network Device” node details below.</p>	<p><u>5.2</u></p>	
<p>New <b>sanctions</b> node was added which supports multi occurrence of “sanction list”. See “Sanctions List” node below.</p>	<p><u>5.2</u></p>	
<p><b>Beneficiary</b> element will support history in the Client DB as well as support searching. Will be used together with new “<b>Collection Account</b>” flag to host “owners” of the collection account.</p>	<p><u>5.1</u></p>	
<p>New <b>additional_information</b> A new optional generic node for adding any unplanned extra information. See dedicated section.</p>	<p><u>5.2</u></p>	

## 20 Account Related Person Type

<p>New <b>account_related_person</b></p> <p>A new type to allow Reporting Entities to better report the related persons to the reported accounts including a new date range relation</p>	<p><u>5.2</u></p>	
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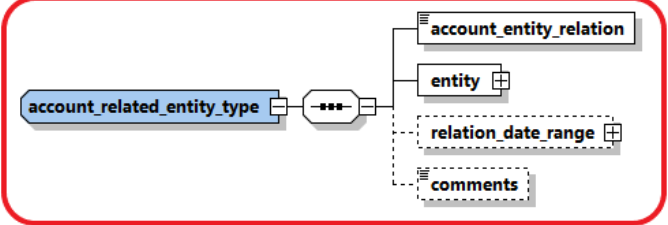
## 21 Account Related Person My Client Type

<p>New <b>account_related_person_my_client</b></p> <p>Same as above but will be used for my client accounts to allow forcing more relation mandatory fields.</p>	<p><u>5.2</u></p>	
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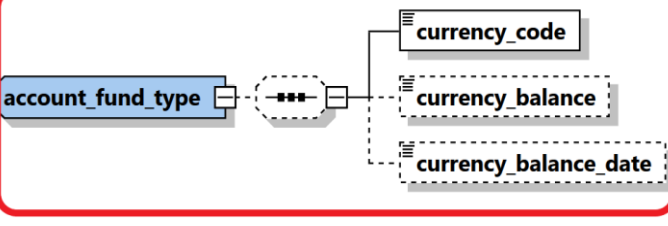
## 22 Account Related Account Type

<p>New <b>related_account_type</b></p> <p>A new type to allow Reporting Entities to report several accounts as related to the main reported account, including relation_type, full related account node, relation date range and comments element.</p>	<p><u>5.2</u></p>	
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## 23 Account Related Entity Type

<p>NEW <b>account_related_entity_type</b></p> <p>A new one to many relations to allow Reporting Entities to report several entities having some kind of relation to an account in addition to the current Entity owning the account node.</p>	<p><u>5.2</u></p>	
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## 24 Account Funds Type

<p>NEW <b>account_funds_type</b></p> <p>The new type will allow capturing different funds for the same account. This will be implemented first to handle <b>Wallet</b> funds but can be extended later.</p>	<p><u>5.1</u></p>	
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# 25 Entity Node

<p><b>New Entity Status</b></p> <p>The new element will host an enumeration describing the status of the entity</p> <p><b>New Entity Status Date</b> was added as well.</p>	<p><u>5.2</u></p>	
<p>New <b>network_devices</b> node was added which supports multi occurrence of "network device". See "Network Device" node details below.</p>	<p><u>5.2</u></p>	
<p><b>New emails node</b></p> <p>The new element will allow to host several emails for the reported entity in comparison with currently one email. The choice is for backward compatibility. In first stage, the various emails will still be saved in one column in client DB similar to person emails.</p>	<p><u>5.2</u></p>	
<p><b>New urls node</b></p> <p>The new element will allow to host several urls for the reported entity in comparison with currently one url. The choice is for backward compatibility. In first stage, the various urls will still be saved in one column in client DB like entity emails</p>	<p><u>5.2</u></p>	

<p>New Choice was introduced to allow deprecating the current root level <b>director_id</b> node and replace it with cover node <b>related_persons</b> with multiple occurrences of single <b>related_person</b> element</p>	<p><u>5.2</u></p>	
<p><b>New Entity to Entity</b> relation.  The new node supports <b>relation_type</b> (enumeration), <b>related_entity</b>, <b>share_percentage</b> and a <b>comments</b> element. See “Related Entities” Node.</p>	<p><u>5.0</u></p>	
<p><b>New Entity Identifications</b>  Like Person Identifications and based of Virtual Community discussions, we added a sub node for the Entity possible identification numbers.</p>	<p><u>5.2</u></p>	
<p>New <b>business relationship</b> A new optional node to host the starting and dates of the relationship between the <b>Reporting Entity</b> and the Entity as well as client number and comments. Relation will be stored in a dedicated RE&gt;&gt;Entity relation tab in Entity screen</p>	<p><u>5.2</u></p>	
<p>New <b>sanctions</b> node was added which supports multi occurrence of “sanction list”.  See “Sanctions List” node.</p>	<p><u>5.2</u></p>	
<p>New <b>additional_information</b> A new optional generic node for adding any unplanned extra information. See dedicated section.</p>	<p><u>5.2</u></p>	

## 26 Entity Related Person Type

<p>New <b>entity_related_person</b></p> <p>A new type to allow Reporting Entities to better report the related persons to the reported entity including a new date range relation, share percentage, voting percentage and comments element.</p>	<p><u>5.2</u></p>	<p>The diagram shows a central box labeled 'entity_related_person_type' connected to a circle containing three dots. This circle is connected to a vertical list of elements: 'person', 'role', 'relation_date_range', 'share_percentage', 'voting_percentage', and 'comments'. The 'person' and 'role' boxes have a plus sign icon, while the others have a list icon. The entire diagram is enclosed in a red rounded rectangle.</p>
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## 27 Entity Related Entity Type

<p>New <b>entity_related_entity</b></p> <p>A new type to allow Reporting Entities to report relations between different entities including relation type, date range relation, share percentage and comments element.</p>	<p><u>5.2</u></p>	<p>The diagram shows a central box labeled 'entity_related_entity_type' connected to a circle containing three dots. This circle is connected to a vertical list of elements: 'entity_entity_relation', 'entity', 'relation_date_range', 'share_percentage', and 'comments'. The 'entity_entity_relation' and 'entity' boxes have a plus sign icon, while the others have a list icon. The entire diagram is enclosed in a red rounded rectangle.</p>
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## 28 Entity Identifications Type

<p>Similar to Person Identifications and based of Virtual Community discussions, we added a sub node for the Entity possible identification numbers.</p>	<p><b>5.2</b></p>	<p>The diagram shows a central node labeled 't_entity_identification' connected to a container with three dots. This container branches into six sub-nodes: 'type', 'number', 'issue_date', 'expiry_date', 'issued_by', and 'issue_country'. The 'type' and 'number' nodes are solid boxes, while 'issue_date', 'expiry_date', 'issued_by', 'issue_country', and 'comments' are dashed boxes.</p>
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## 29 Relation Date Range Type

<p>A new type describing relations date range was introduced and is used now with each relation between two nodes in goAML schema.</p> <p>The type includes a valid from/to dates, <b>is_approx_from/to_date</b> fields are Booleans which indicate if each date is the actual start or end or the RE best knowledge about the relation date.</p> <p><b>The Booleans are false by default if not reported</b></p>	<p><b>5.1</b></p>	<p>The diagram shows a central node labeled 'relation_date_range_type' connected to a container with three dots. This container branches into two main groups. The first group contains 'valid_from' and 'is_approx_from_date'. The second group contains 'valid_to' and 'is_approx_to_date'. The 'valid_from' and 'valid_to' nodes are solid boxes, while 'is_approx_from_date' and 'is_approx_to_date' are dashed boxes.</p>
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# 30 Address Type

<p><b>New <code>house_number</code> and <code>apartment_number</code></b></p> <p>Both optional, of course, and can support FIUs who prefer to split the address street name from the house/apartment numbers.</p> <p><b>New <code>additional_address_line1</code> and <code>additional_address_line2</code></b></p> <p>Both optional, and can be used for any additional address details need</p>	<p><u>5.2</u></p>	
<p><b>New <code>geo_location</code> node</b></p> <p>We chose the decimal representation for the <b>latitude</b> and <b>longitude</b> instead of the degrees/minutes/seconds representation since it is easier to force standard and validate.</p> <p>In parallel, goAML will support as alternative the open source “<b>Plus Code</b>” standard.</p> <p>In addition, following additional fields were added as suggested, <b>is_approx_location (Boolean)</b> , <b>error_distance_margin (Decimal)</b> and <b>Margin UOM. (Unit of Measurement)</b></p>	<p><u>5.2</u></p>	

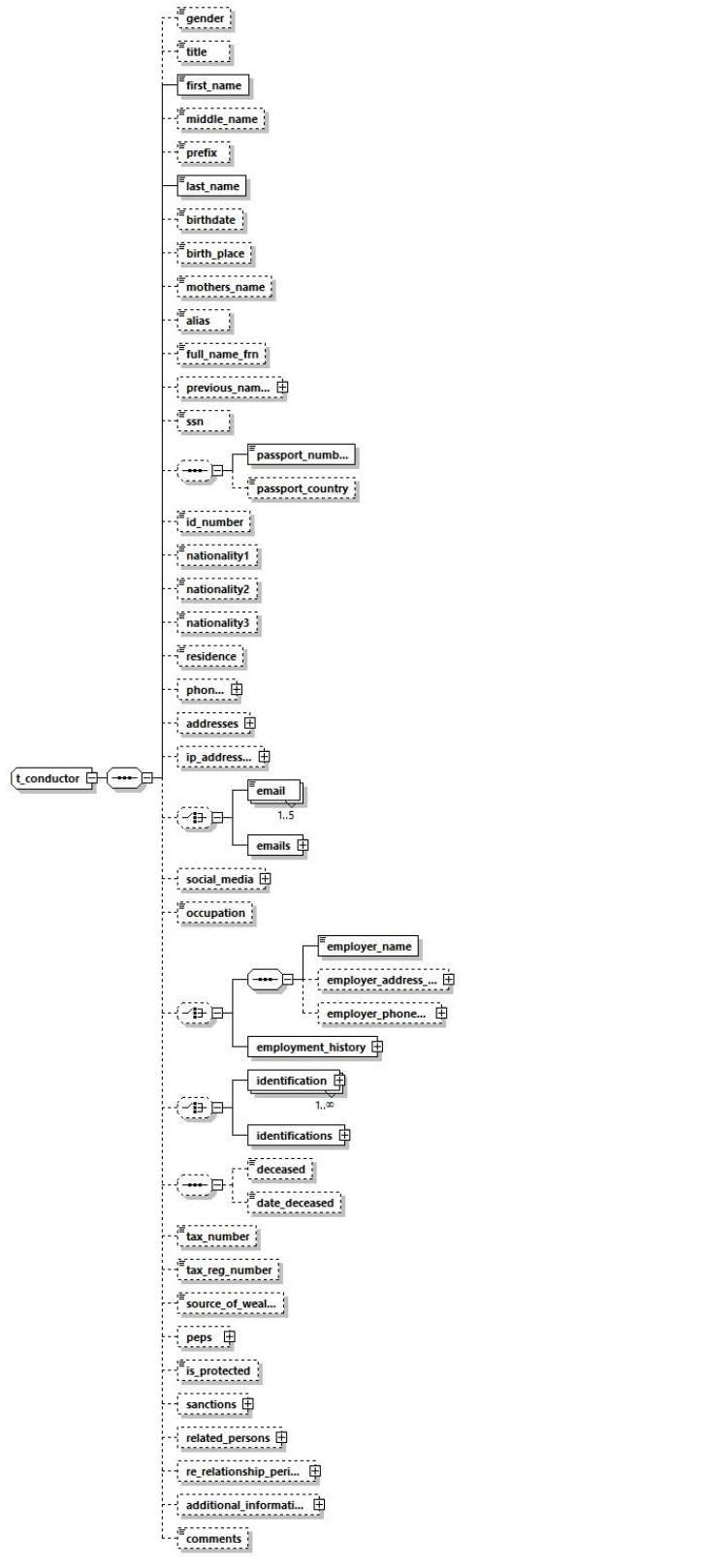
# 31 Conductor Type

## New conductor type

Conductor node has now its own base person node copies, one as standard person and one as my\_client.

This will allow FIUs to set different mandatory fields for conductors without the need to chose between person and person\_my\_client versions which were too relaxed or too strict for each FIU needs.

## 5.2



## 32 Network Device Type

<p>New contact type “<b>network devices</b>” was introduced, support multi occurrences of “<b>network devices</b>”, which can host information regarding devices and ip_addresses used by a subject.</p>	<p><u>5.1</u></p>	
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## 33 IP Address Type

<p>New contact type “<b>ip_addresses</b>” was introduced, support multi occurrences of <b>ip_address</b> node with ip address (IPV4 and IPV6 standards), Carrier Grade Nat (CGN Port), Network Address Translation (NAT), date range, proxy flag, City, Country and Comments.</p>	<p><u>5.1</u></p>	
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## 34 Comments Type

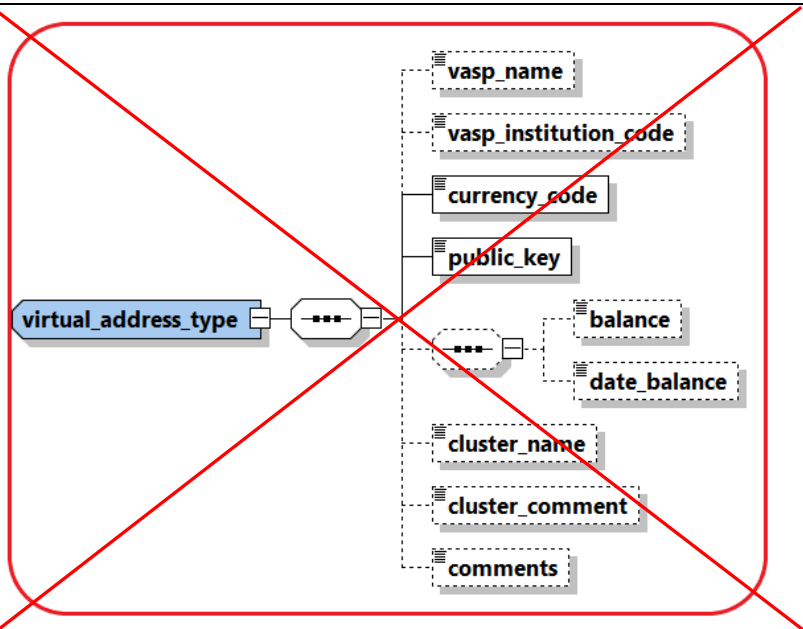
<p><b>comments_type</b></p> <p>A new <b>comment_type</b> was introduced with max length of 8000 chars instead of 4000 as newer versions of SQL server supports longer length now.</p> <p>All elements like <b>Comments</b>, <b>Reason</b>, <b>Action</b> and <b>Description</b> elements all over the schema are defined now using the new type.</p>	<p><u>5.0</u></p>	<table border="1" style="border-style: dashed; border-color: gray;"> <tr> <td colspan="2" style="background-color: #4a86e8; color: white; text-align: center;"><b>comments</b></td> </tr> <tr> <td style="background-color: #4a86e8; color: white;">type</td> <td style="background-color: #4a86e8; color: white;">comments_type</td> </tr> <tr> <td style="background-color: #4a86e8; color: white;">min/maxLen</td> <td style="background-color: #4a86e8; color: white;">0 8000</td> </tr> </table>	<b>comments</b>		type	comments_type	min/maxLen	0 8000
<b>comments</b>								
type	comments_type							
min/maxLen	0 8000							

## 35 Virtual Address Type

### Virtual Address type

**Virtua Addresses** will be reported as **Account** node with Account Category set as “VADDR”.

See mapping of the relevant fields to Account elements in the mapping table below.



## 36 Wallet Type

### Wallet Type

**Wallets** will be reported as **Account** node with Account Category set as “WALLT”.

See mapping of the relevant fields to Account elements in the mapping table below.

