



BRASIL-ID

Manual de Orientação do Contribuinte Brasil-ID

Identificador de Veículo e Carga Eletrônico - IVC-e

Versão Preliminar

Versão 1.0

Data de publicação: 22/10/2013

**Sistema Nacional de Identificação, Rastreamento e
Autenticação de Mercadorias**

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TABELA DE CONTROLE E VERSIONAMENTO

| Versão | Revisão | Contribuintes | Data |
|--------|--|---------------------------|------------|
| 1.0 | Versão inicial do documento contendo a descrição dos padrões técnicos de comunicação com o Back Office Nacional do Brasil-ID (BON-BrID) no contexto deste transponder. | ENCAT Centro von Braun | 22/10/2013 |

Este documento está sendo publicado em caráter preliminar, de forma a permitir que as entidades conveniadas ao programa Brasil-ID possam ter acesso à informações que são necessárias para o desenvolvimento de tecnologia voltadas a este projeto ou então para integração de pilotos utilizando os padrões e tecnologias que pertencem ao escopo do Brasil-ID.

As informações listadas neste documento estão sujeitas as alterações, de acordo com a evolução do projeto como um todo. Toda e qualquer decisão tomada com base nestas informações preliminares são de única e exclusiva responsabilidade da entidade que a tomou, de forma que os órgãos responsáveis pelo Brasil-ID não tem nenhuma responsabilidade sobre os riscos e eventuais prejuízos que possam ser causados por eventuais alterações deste documento.

LISTA DE SIGLAS E ABREVIATURAS

| | |
|-------|--|
| CCD | Comitê Certificador Designado |
| CSS | Console de Solicitação de Serviço |
| CT-e | Conhecimento de Transporte Eletrônico |
| ETL | <i>Extraction, Transformation and Load</i> |
| EP | Envelope Protetor |
| HTTP | <i>HyperText Transfer Protocol Secure</i> |
| IVC-e | Identificador de Veículo de Carga Eletrônico |
| OBUID | <i>On Board Unit Identificator</i> , refere-se ao código identificador único de um determinado transponder |
| RFID | <i>Radio-Frequency IDentification</i> |
| SHA | <i>Secure Hash Algorithm</i> |
| SLD | Sistema de Leitura de Dispositivo |
| SOAP | <i>Simple Object Access Protocol</i> |
| URL | <i>Uniform Resource Locator</i> |
| WSDL | <i>Web Services Description Language</i> |
| XML | <i>EXtensible Markup Language</i> |

1 INTRODUÇÃO

O presente documento tem por objetivo apresentar as especificações e critérios técnicos necessários para a utilização do BON-BrID por meio da tecnologia do Identificador de Veículos de Carga Eletrônico (“IVC-e”). O documento apresenta a finalidade desta tecnologia e sua arquitetura de comunicação para auxiliar na utilização por parte dos contribuintes na implementação de aplicativos que sigam as recomendações deste documento.

Tendo em vista a complexidade do sistema e abrangência do projeto, envolvendo diferentes fornecedores de equipamentos e sistemas, o projeto de arquitetura de comunicação visa oferecer interfaces padronizadas de envio e recebimento de dados de forma otimizada e segura. Entre essas interfaces estão os **Web Services**, que utilizam o XML como modelo de codificação de dados e os serviços de **Mensageria** que não dependem exclusivamente de um mecanismo síncrono para envio de dados, ou seja, um serviço em que os produtores das informações e os seus consumidores não precisam estar conectados ao mesmo tempo (*online*).

O documento está dividido em: (1) Introdução, (2) Considerações Iniciais, (3) Arquitetura de comunicação e (4) Anexos.

2 CONSIDERAÇÕES INICIAIS

O escopo do IVC-e no BON-BrID contempla a utilização em território nacional de um transponder RFID para identificação automática de veículos de carga em circulação, assim como, dos eventos associados ao veículo.

A utilização desta tecnologia permite ao contribuinte a visualização de eventos que compõem o fluxo logístico realizado. A visualização é possível com base em informações reais obtidas através do identificador por meio da tecnologia de radiofrequência e protocolos de comunicação que devem ser utilizados pelos participantes¹.

2.1 IDENTIFICADOR DE VEÍCULOS DE CARGA ELETRÔNICO

O identificador de veículos de carga eletrônico (“IVC-e”) é um transponder RFID semi-ativo que identifica unicamente o veículo e contém informações de cadastro retiradas de seu documento com validade fiscal como o Certificado de Registro e Licenciamento de veículos.

O fluxo do IVC-e contempla operações relacionadas com a mídia de gravação até operações relacionadas com a utilização do identificador, ou seja, desde a gravação de um novo transponder, sua inicialização como IVC-e no sistema do Back Office, até a passagem do veículo com o IVC-e instalado em um equipamento de leitura RFID e a obtenção dos dados.

Para facilitar o entendimento, neste documento o IVC-e é tratado também como transponder ou tag que é a mídia antes da inicialização para tornar-se IVC-e.

2.1.1 DESCRIÇÃO SIMPLIFICADA DO MODELO OPERACIONAL

Neste documento serão apresentadas as interfaces de comunicação da mídia que origina o IVC-e, tratada como tag e do IVC-e já inicializado no sistema do Back Office.

O fluxo de operação inicia-se com a requisição por parte da fábrica de tags, através de um aplicativo cliente, de uma lista de novos identificadores para transponder fabricados, esta requisição exige a aprovação pelo Comitê Certificador Designado², enquanto o resultado da aprovação não for disponibilizado o aplicativo cliente fará a consulta do estado da solicitação.

Após a aprovação da requisição, o estado da requisição é alterado e a fábrica pode recuperar a lista de identificadores de transponder solicitada. Em seguida, a fábrica deve registrar os envelopes protetores (EPs - mecanismo de segurança para evitar a clonagem

¹ Os protocolos de comunicação com o transponder que serão utilizados nos equipamentos serão definidos em documento específico.

² O Comitê Certificador Designado (CCD): é o encarregado de aprovar as requisições de emissão de identificadores de transpondes (TIDs) para o processo de fabricação dos transponders.

de mídias, representado por um número aleatório gerado pelo fabricante da mídia), tornando a tag pronta para ser vendida a uma operadora.

O registro de uma venda é realizado pela fábrica por meio do envio da lista de identificadores de transponder à operadora associada, esta operação deve ser confirmada pela operadora, efetivando a compra de tags.

Após a compra, a operadora deve inicializar a tag e instalá-la no veículo, realizando o vínculo entre IVC-e e veículo. A partir deste momento, o IVC-e está ativo e pode ser utilizado no fluxo logístico do veículo para obtenção de eventos de passagem que permitam a visualização das informações.

3 ARQUITETURA DE COMUNICAÇÃO

Esta seção aborda as interfaces de comunicação do Back Office utilizadas no contexto do IVC-e.

3.1 MODELO CONCEITUAL

O BON-BrID proverá *Web Services* para utilização do IVC-e nas seguintes funcionalidades:

- a) Mídia (tag sem ser inicializada)
 - 1) Requisição de identificadores de transponders
 - 2) Recuperação de identificadores de transponders
 - 3) Confirmação de requisição de identificadores de transponders
 - 4) Cancelamento de requisição de identificadores de transponders
 - 5) Registro de envelope protetor
 - 6) Registro de venda
 - 7) Recuperação de Informações sobre a venda
 - 8) Confirmação de venda
 - 9) Cancelamento de venda
 - 10) Recuperação do estado da venda
- b) IVC-e (tag inicializada)
 - 1) Inicialização de tag como IVC-e
 - 2) Recuperação do estado da inicialização de tag como IVC-e

- 3) Vínculo entre IVC-e e veículo
- 4) Registro de passagem de IVC-e
- 5) Decodificação do bloco cifrado do IVC-e
- 6) Cancelamento de IVC-e

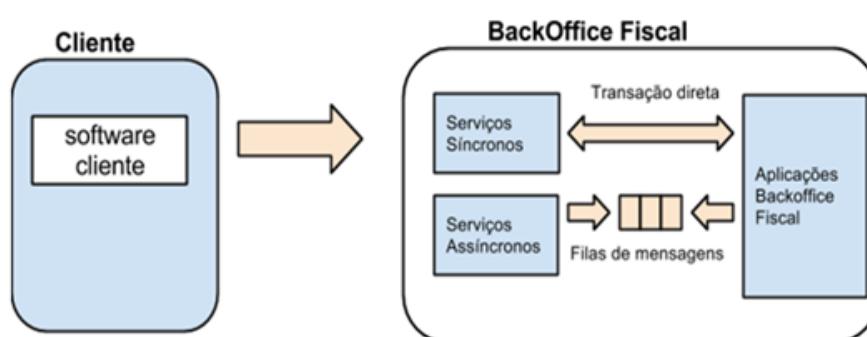
Os Web Services disponibilizam diversas funções para a troca de informações entre os equipamentos e sistemas clientes (equipamentos de obtenção de dados em campo e aplicativos clientes das operadoras e fábricas, por exemplo) e o BackOffice Fiscal. Nele também há mecanismos de segurança e integridade das mensagens.

O fluxo de comunicação é iniciado pelo aplicativo do cliente por meio da chamada de um método do *Web Service* com a solicitação do serviço desejado. Uma mensagem de resposta com o estado da solicitação é retornada, confirmando o recebimento da solicitação de serviço ao aplicativo do cliente.

A solicitação de serviço é atendida na mesma conexão ou é armazenada em filas de processamento nos casos de serviços mais onerosos, resultando em melhor aproveitamento dos recursos de comunicação e de processamento. Os serviços podem ser síncronos ou assíncronos em função da forma de processamento da solicitação de serviços:

- a) Serviços síncronos – após receber uma requisição o sistema executa o comando e retorna o resultado desta ao aplicativo cliente de forma imediata, não sendo necessária a consulta posterior do estado;
- b) *Serviços assíncronos* – após receber uma requisição o sistema retorna um *token* de serviço que deve ser consultado de forma periódica para obtenção do resultado da solicitação pelo aplicativo cliente, uma vez que o estado retornado for satisfatório o processamento da consulta é concluído.

A Figura 3-1 apresenta um diagrama conceitual com o fluxo de comunicação entre os aplicativos clientes e o BON-BrID.



3.2 PADRÕES TÉCNICOS

3.2.1 PADRÃO DE COMUNICAÇÃO

A comunicação entre os sistemas de informações dos clientes e o BackOffice Fiscal é baseada em Web Services, e utiliza-se da Internet como meio físico de comunicação com uso do protocolo HTTP.

O modelo de comunicação segue o padrão de *Web Services* definido pelo *WS-I Basic Profile*. A troca de mensagens entre os *Web Services* do BackOffice Fiscal e os sistemas clientes será realizada no padrão SOAP, com troca de mensagens XML no padrão *Style/Enconding: Document/Literal, wrapped*. A opção “wrapped” representa a chamada aos métodos disponíveis com a passagem de um parâmetro.

Exemplo de mensagem:

```

<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/" xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
    <SOAP-ENV:Header>
        <wsse:Security xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd">
            <ds:Signature xmlns:ds="http://www.w3.org/2000/09/xmldsig#">
                <ds:SignedInfo>
                    <ds:CanonicalizationMethod
Algorithm="http://www.w3.org/2001/10/xml-exc-c14n#" />
                    <ds:SignatureMethod
Algorithm="http://www.w3.org/2000/09/xmldsig#rsa-sha1" />
                    <ds:Reference URI="#Body">
                        <ds:Transforms>
                            <ds:Transform Algorithm="http://www.w3.org/2001/10/xml-exc-c14n#" />
                        </ds:Transforms>
                        <ds:DigestMethod
Algorithm="http://www.w3.org/2000/09/xmldsig#sha1" />
                    <ds:DigestValue>kGMeQIqx59YUIR7NZP/AVzg+Ecw=</ds:DigestValue>
                </ds:Reference>
            </ds:SignedInfo>

            <ds:SignatureValue>fRHQJQYdJcJPf9aSTgW8u6dO1dwhVzHWcpCsIpQmA5Exd+4agFp631raJEIkxWaJXcUjhUn1PIUmUp3HBJO/mhbcEjuQuB9/HGAg1XBvaKcDki5j3quvKbFXYYXTUiT5StTPDz8BPES8IL89s19JfsZ1SToZj5y/blmJM7QTfxvie+T9L8cV/gVeUN2rlDAfRZCxAzIzIpZ4NEpDxc0EkYeXXJLiUfEYCXctIfKFSKZ62S9tR9to/jy+nSSLVDi7qAI+WH5f5ZocCk5VUhZBXzMeRipdBZ27hZPwSLKafkQ5fJ1aCjoYpp1lF/jYRXk0ubc2fYNeLIwSfqgYgGCn9g==</ds:SignatureValue>
                </ds:Signature>
            </wsse:Security>
        </SOAP-ENV:Header>
        <SOAP-ENV:Body xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd" wsu:id="Body">
            <ns3:passagem xmlns:ns3="http://webservices.brasil-id.org.br/ivce/" xmlns:ns2="http://www.w3.org/2000/09/xmldsig#">
                <obuid>12345</obuid>
            </ns3:passagem>
        </SOAP-ENV:Body>
    </SOAP-ENV:Envelope>
  
```

```

<data>2013-07-31T16:43:46.190-03:00</data>
<Signature Id="1" />
</ns3:passagem>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
  
```

3.2.2 PADRÃO DE CERTIFICADO DIGITAL

O certificado digital utilizado no BackOffice Fiscal será emitido por uma Entidade Certificadora credenciada, nos formatos do tipo A1 ou A3, devendo conter o identificador da entidade titular do certificado.

Os certificados digitais serão exigidos durante a assinatura e transmissão de mensagens entre o BackOffice Fiscal, equipamentos e sistemas. O certificado digital será utilizado para identificação das entidades, informando ao BackOffice, o responsável pela transmissão das mensagens, devendo ter a extensão *Extended Key Usage* com permissão de "Autenticação Cliente".

3.2.3 PADRÃO DE ASSINATURA DIGITAL COM CHAVE ASSIMÉTRICA

O acesso às funcionalidades do IVC-e através da implementação de um aplicativo cliente exige a utilização de uma chave assimétrica de segurança no padrão RSA 2048bits. A criação de um par de chaves RSA (privada e pública) é feita com os comandos Open SSL³:

```

openssl genrsa -out privkey.pem 2048
openssl rsa -in privkey.pem -pubout > pubkey.pem
  
```

As mensagens enviadas aos *Web Services* do BackOffice Fiscal são documentos eletrônicos elaborados no padrão XML e devem ser assinados digitalmente utilizando a chave privada do cliente que deve possuir sua chave pública previamente cadastrada no BON-BrID.

O IVC-e utiliza um subconjunto do padrão de assinatura XML com o seguinte leiaute:

Tabela 3-1 - Leiaute do padrão de assinatura XML

| # | Campo | Ele | Pai | Tipo | Ocor. | Tam. | Dec. | Descrição/Obs. |
|----|-------------------|------|-----|------|-------|------|------|------------------------|
| S1 | SOAP-ENV:Envelope | Raiz | | - | 1-1 | | | Grupo do envelope SOAP |
| S2 | SOAP-ENV:Header | G | S1 | - | 1-1 | | | Grupo do cabeçalho |
| S3 | wsse:Security | G | S2 | - | 1-1 | | | Grupo de segurança |
| S4 | ds:Signature | G | S3 | - | 1-1 | | | Grupo da assinatura |

³ OpenSSL: <http://www.openssl.org/docs/HOWTO/keys.txt>

| | | | | | | | | |
|-----|---------------------------|---|-----|---|-----|--|--|--|
| S5 | ds:SignedInfo | G | S4 | - | 1-1 | | | Grupo da informação da assinatura |
| S6 | ds:CanonicalizationMethod | E | S5 | C | 1-1 | | | Elemento do método de canonicalização |
| S7 | Algorithm | A | S6 | C | 1-1 | | | Atributo do CanonicalizationMethod: http://www.w3.org/2001/10/xml-exc-c14n# |
| S8 | ds:SignatureMethod | E | S5 | C | 1-1 | | | Elemento de método de assinatura |
| S9 | Algorithm | A | S8 | C | 1-1 | | | Atributo do SignatureMethod |
| S10 | ds:Reference | G | S5 | - | 1-1 | | | Grupo do SignedInfo que referencia o corpo da mensagem |
| S11 | URI | A | S10 | C | 1-1 | | | Atributo do Reference |
| S12 | ds:Transforms | G | S10 | - | 1-1 | | | Grupo do algoritmo de transform |
| S13 | ds:Transform | E | S12 | C | 1-1 | | | Elemento do Transform |
| S14 | Algorithm | A | S13 | C | 1-1 | | | Atributo do elemento do Transform |
| S15 | ds:DigestMethod | E | S10 | C | 1-1 | | | Elemento do Grupo do SignedInfo que define o método de geração de hash |
| S16 | Algorithm | A | S15 | C | 1-1 | | | Atributo do DigestMethod |
| S17 | ds:DigestValue | E | S10 | C | 1-1 | | | Hash SHA-1 - Base64 do Grupo Body |
| S18 | ds:SignatureValue | E | S4 | C | 1-1 | | | Elemento do Grupo Signature contendo o Grupo SignedInfo assinado |
| S19 | SOAP-ENV:Body | G | S1 | - | 1-1 | | | Grupo do corpo da mensagem |
| S20 | wsu:id | A | S19 | C | 1-1 | | | Identificador do Grupo Body no XML |
| S21 | ns3:passagem | G | S19 | - | 1-1 | | | Grupo que identifica o método chamado |
| S22 | obuid | E | S21 | C | 1-1 | | | Elemento parâmetro do método chamado |
| S23 | data | E | S21 | C | 1-1 | | | Elemento parâmetro do método chamado |

| | | | | | | | | |
|-----|-----------------|---|-----|---|-----|--|--|---|
| S24 | Signature | E | S21 | C | 1-1 | | | Elemento identificador padrão do aplicativo cliente |
| S25 | Id | A | S24 | C | 1-1 | | | Atributo identificador do aplicativo cliente |
| S26 | KeyInfo | G | S01 | - | 1-1 | | | Grupo do KeInfo |
| S27 | X509Data | G | S26 | - | 1-1 | | | Grupo X509 |
| S28 | X509Certificate | E | S27 | C | 1-1 | | | Certificado digital 509 em base64 |

Sendo que a assinatura digital do documento eletrônico XML deverá atender aos seguintes padrões adotados:

- a) Padrão de assinatura: “XML Digital Signature”, utilizando o formato “Enveloped” (<http://www.w3c.org/TR/xmldsig-core/>);
- b) Certificado digital: Emitido por AC credenciada (<http://www.w3c.org/2000/09/xmldsig#X509Data>);
- c) Cadeia de Certificação: *EndCertOnly* (Incluir na assinatura apenas o certificado do usuário final);
- d) Tipo do certificado: A1 e A3;
- e) Tamanho da Chave Criptográfica: Compatível com os certificados A1 e A3 (1024bits) ou A4 (2048 bits);
- f) Função criptográfica assimétrica: RSA 2048 bits (<http://www.w3c.org/2000/09/xmldsig#rsa-sha1>);
- g) Função de “message digest”: SHA-1 (<http://www.w3c.org/2000/09/xmldsig#sha1>);
- h) Codificação: Base64 (<http://www.w3c.org/2000/09/xmldsig#base64>);
- i) Transformações exigidas, úteis para realizar a canonicalização do XML enviado para realizar a validação correta da Assinatura Digital:
 - 1) Enveloped (<http://www.w3c.org/2000/09/xmldsig#enveloped-signature>);
 - 2) C14N (<http://www.w3.org/2001/10/xml-exc-c14n#>).

- j) Adição do campo *Signature* no final do corpo da mensagem com o identificador (id) do aplicativo cliente.

Diagrama de entrada exemplificando a assinatura digital:

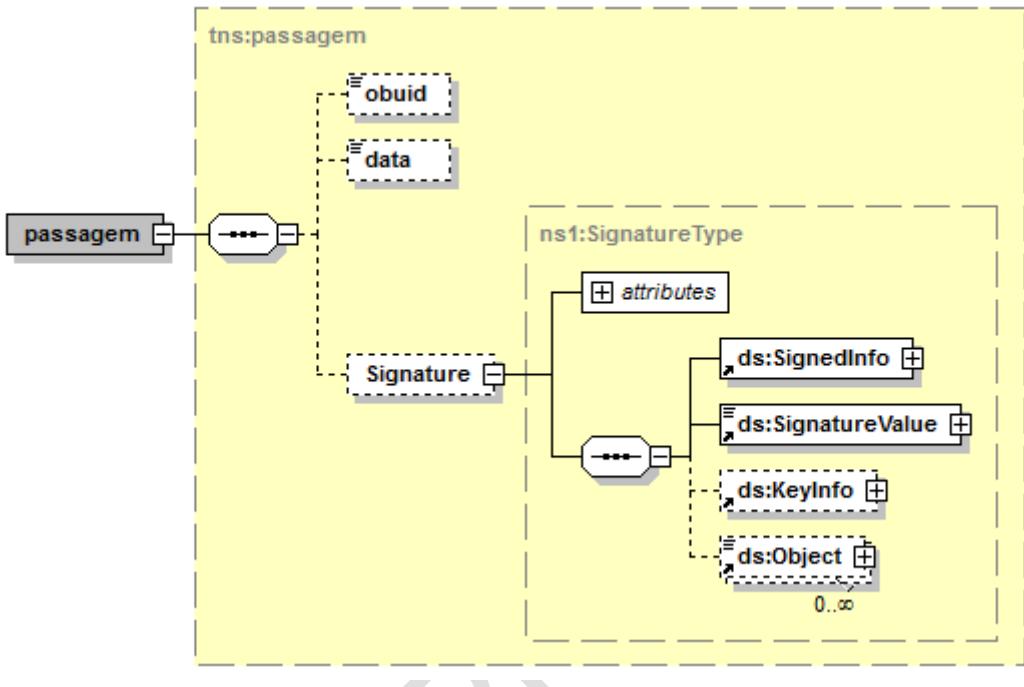


Figura 3-2 - Diagrama contendo a estrutura da assinatura

3.2.4 VALIDAÇÃO DE ASSINATURA DIGITAL PELO BACKOFFICE FISCAL

Para a validação da assinatura digital, seguem as regras que serão adotadas pelo BackOffice Fiscal:

- Calcular o *hash* da mensagem para verificar que a mesma não foi alterada;
- Validar o campo *Signature* por um id válido para recuperar a assinatura;
- Verificar a autenticidade da assinatura;

3.2.5 RESUMO DOS PADRÕES TÉCNICOS

A Tabela 3-2 resume os principais padrões técnicos utilizados.

Tabela 3-2 - Resumo dos padrões técnicos

| Característica | Descrição |
|----------------|-----------|
|----------------|-----------|

| | |
|---------------------------------|---|
| Web Services | Padrão definido pelo WS-I Basic Profile 1.1 (http://www.ws-i.org/Profiles/BasicProfile-1.1-2004-08-24.html). |
| Meio lógico de comunicação | <i>Web Services</i> |
| Meio físico de comunicação | Internet |
| Protocolo Internet | HTTP |
| Padrão de troca de mensagens | SOAP versão 1.2. |
| Padrão de mensagem XML | XML no padrão Style/Encoding: Document/Literal. |
| Padrão Certificado Digital | X.509 versão 3, emitido por Autoridade Certificadora credenciada do tipo A1 ou A3, devendo conter o identificador do proprietário do certificado digital. |
| Padrão de assinatura digital | XML Digital Signature, Enveloped, com certificado digital X.509 versão 3, com chave privada de 2048 bits, com padrões de criptografia assimétrica RSA, algoritmo message digest SHA-1 e utilização das transformações Enveloped e C14N. |
| Validação de Assinatura Digital | Será validado além da integridade e autoria, a cadeia de confiança com a validação das LCRs. |

3.3 MODELO OPERACIONAL

Com base na definição apresentada na seção 3.1 sobre serviços síncronos e assíncronos, os serviços do IVC-e são implementados da seguinte forma:

Tabela 3-3 - Modelo operacional

| Mídia (tag sem ser inicializada) | |
|---|----------------------|
| Serviço | Implementação |
| Requisição de identificadores de transponders | Assíncrono |

| Recuperação de identificadores de transponders | Síncrono |
|---|-----------------------|
| Confirmação de requisição de identificadores de transponders | Síncrono |
| Cancelamento de requisição de identificadores de transponders | Síncrono |
| Registro de envelope protetor | Síncrono |
| Registro de venda | Assíncrono |
| Recuperação de Informações sobre a venda | Síncrono |
| Confirmação de venda | Síncrono |
| Cancelamento de venda | Síncrono |
| Recuperação do estado da venda | Síncrono |
| IVC-e (tag inicializada) | |
| Serviço | Implementação |
| Inicialização de tag como IVC-e | Assíncrono |
| Recuperação do estado da inicialização de tag como IVC-e | Síncrono |
| Vínculo entre IVC-e e veículo | Síncrono |
| Registro de passagem de IVC-e | Síncrono ⁴ |
| Decodificação do bloco cifrado do IVC-e | Síncrono |
| Cancelamento de IVC-e | Síncrono |

3.3.1 SERVIÇOS SÍNCRONOS

A Figura 3-3 ilustra as etapas executadas no processo ideal:

⁴ No caso de mensageria o Registro de passagem tem comportamento assíncrono.



Figura 3-3 - Ilustração de serviço síncrono

- 1) O aplicativo cliente inicia a conexão enviando uma mensagem de solicitação de serviço para o *Web Service* de recepção de solicitação de serviços;
- 2) O *Web Service* recebe a mensagem de solicitação e encaminha ao aplicativo do IVC-e responsável pelo processamento;
- 3) O aplicativo do IVC-e recebe a mensagem e realiza o processamento, retornando o resultado do processamento ao *Web Service*;
- 4) O *Web Service* recebe a mensagem de resultado e encaminha ao aplicativo cliente;
- 5) O aplicativo cliente recebe a mensagem de resultado do processamento e, se não houver outra mensagem, encerra a conexão.

3.3.2 SERVIÇOS ASSÍNCRONOS

A Figura 3-3 ilustra as etapas executadas no processo ideal:

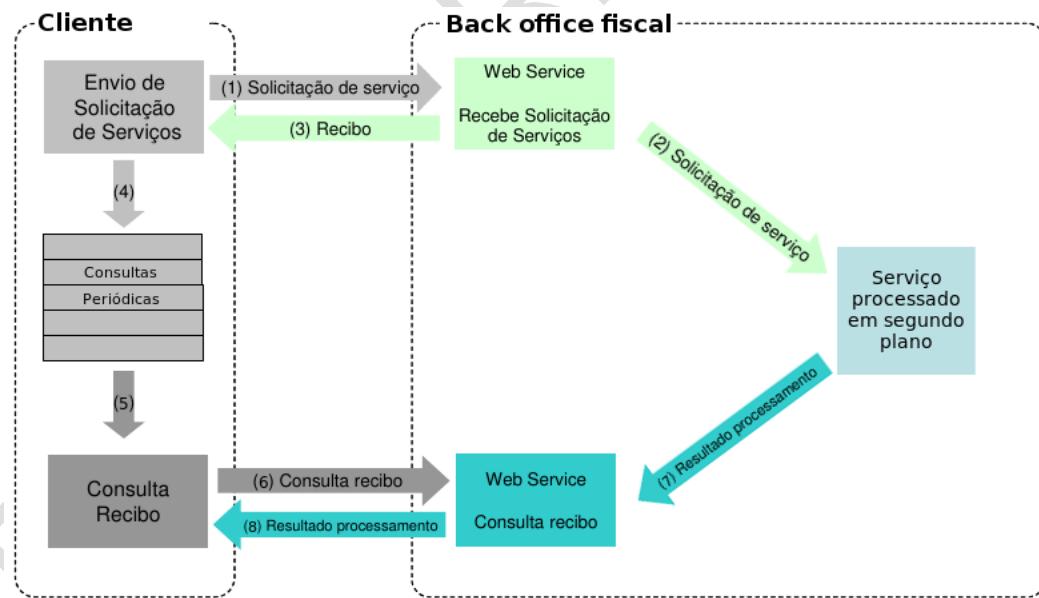


Figura 3-4 - Ilustração de serviço assíncrono

- 1) O aplicativo cliente inicia a conexão enviando uma mensagem de solicitação de serviço para o *Web Service* de recepção de solicitação de serviços;
- 2) O *Web Service* de recepção de solicitação de serviços recebe a mensagem e inicia o processamento da mensagem em segundo plano;

- 3) O *Web Service* de recepção de solicitação de serviços retorna o recibo da solicitação de serviço (*token*);
- 4) O aplicativo cliente recebe o *token de solicitação*;
- 5) O cliente aguarda um período de tempo e inicia nova consulta;
- 6) O cliente realiza a consulta no servidor;
- 7) A execução do processo em segundo plano é finalizada no servidor;
- 8) O estado da execução do serviço é retornado ao cliente.

3.4 PADRÃO DE MENSAGENS DOS WEB SERVICES

3.4.1 CABEÇALHO DA MENSAGEM

As chamadas dos *Web Services* fornecidos pelo Back Office e seus retornos são feitos através de mensagens, as quais o cabeçalho segue o seguinte padrão de composição:

- **Security**: informação de segurança que compreende todo o resto do cabeçalho;
- **Signature**: informação de assinatura do cliente utilizada para verificação da autenticidade da mensagem;
- **SignedInfo**: toda a informação que será posteriormente assinada;
- **CanonicalizationMethod**: mecanismo de canonicalização da mensagem para evitar interpretação incorreta de mensagens;
- **SignatureMethod**: método RSA-sha1 utilizado para assinar a mensagem;
- **Reference**: campo que origina a geração de *hash* para garantir autenticidade da mensagem;
- **Transforms**: lista de procedimentos *Transform*;
- **Transform**: uma instância de procedimento para evitar geração incorreta do hash;
- **DigestMethod**: método utilizado para geração de *hash*;
- **DigestValue**: é o resultado do *hash*;
- **SignatureValue**: assinatura do signedInfo resultante.

<SOAP-ENV:Header>

```

<wsse:Security xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd">
    <ds:Signature xmlns:ds="http://www.w3.org/2000/09/xmldsig#">
        <ds:SignedInfo>
            <ds:CanonicalizationMethod
Algorithm="http://www.w3.org/2001/10/xml-exc-c14n#" />
            <ds:SignatureMethod
Algorithm="http://www.w3.org/2000/09/xmldsig#rsa-sha1" />
            <ds:Reference URI="#Body">
                <ds:Transforms>
                    <ds:Transform Algorithm="http://www.w3.org/2001/10/xml-exc-c14n#" />
                </ds:Transforms>
                <ds:DigestMethod
Algorithm="http://www.w3.org/2000/09/xmldsig#sha1" />
            <ds:DigestValue>kGMeQIqx59YUIR7NZP/AVzg+Ecw=</ds:DigestValue>
        </ds:Reference>
    </ds:SignedInfo>

    <ds:SignatureValue>fRHQJQYdJcJPf9aSTgW8u6dO1dwhVzHWcpCsIpQmA5Exd+4agFp631raJEIkxWaJXcUjhUn1PIUmUp3HBJO/mhbcEjuQuB9/HGAg1XBvaKcDki5j3quvKbFXYXTUiT5StTPDz8BPES8IL89s19JfsZ1SToZj5y/bImJM7QTfxvie+T9L8cv/gveUN2r1DAfRZCxAzIzIpZ4NEpDxc0EkYeXXJLiUfEYCXctIfKFSKZ62S9tR9to/jy+nSS1VDi7qAI+WH5f5ZocCk5VUhZBXzMeRipdBZ27hZPwSLKafkQ5fJ1aCjoYpp1lF/jYRXkOubc2fYNeLIwSfqgYgGCn9g==</ds:SignatureValue>
    </ds:Signature>
</wsse:Security>
</SOAP-ENV:Header>
  
```

3.4.2 CORPO DA MENSAGEM

As chamadas dos *web services* fornecidos pelo Back office e seus retornos são feitos através de mensagens, as quais o corpo segue o seguinte padrão:

| Estrutura XML definida na documentação do WS | Signature ID |
|--|----------------------------|
| Parâmetros da mensagem | Identificador do remetente |

Figura 3-5 - Padrão de mensagem dos *Web Services*

- **Parâmetros da mensagem:** estrutura XML variável definida na documentação do *Web Service* acessado;
- **Identificador do remetente:** identificador do aplicativo cliente.

Exemplo de mensagem com o padrão apresentado:

```

<SOAP-ENV:Body xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd" wsu:id="Body">
    <ns3:passagem xmlns:ns3="http://webservices.brasil-id.org.br/ivce/" xmlns:ns2="http://www.w3.org/2000/09/xmldsig#">
        <obuid>12345</obuid>
        <data>2013-07-31T16:43:46.190-03:00</data>
        <Signature Id="1" />
    </ns3:passagem>
</SOAP-ENV:Body>
  
```

3.4.3 VALIDAÇÃO DA ESTRUTURA XML DAS MENSAGENS DOS WEB SERVICES

As mensagens trocadas pelos *web services* devem estar de acordo com o padrão definido nas seções 3.4.1 e 3.4.2 sendo que o controle de padronização da mensagem é feito diretamente pelo servidor Web do Back Office.

Deste modo, os aplicativos clientes implementados devem estar preparados para gerar mensagens dentro do padrão definido, sendo que mensagens fora do padrão serão descartadas pelo servidor.

3.4.4 SCHEMAS XML DAS MENSAGENS DOS WEB SERVICES

Um Schema XML define o conteúdo do documento XML, descrevendo os seus elementos, organização, regras de preenchimento de conteúdo e de obrigatoriedade de cada elemento ou grupo de informação.

Toda mudança de leiaute das mensagens dos Web Services implica atualização do respectivo Schema XML e, as modificações podem ser causadas por necessidades técnicas ou solicitações, sendo que serão adequadamente informadas aos interessados.

Exemplo de schema XML:

```
<?xml version="1.0" encoding="UTF-8"?>
<definitions xmlns="http://schemas.xmlsoap.org/wsdl/" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd" xmlns: wsp="http://www.w3.org/ns/ws-policy" xmlns:wsp1_2="http://schemas.xmlsoap.org/ws/2004/09/policy" xmlns: wsam="http://www.w3.org/2007/05/addressing/metadata" xmlns: soap="http://schemas.xmlsoap.org/wsdl/soap/" xmlns: tns="http://webservices.brasil-id.org.br/ivce/" xmlns: xsd="http://www.w3.org/2001/XMLSchema" targetNamespace="http://webservices.brasil-id.org.br/ivce/" name="BackofficeBrasilIdIVCe">
    <types>
        <xsd:schema>
            <xsd:import namespace="http://www.w3.org/2000/09/xmldsig#" schemaLocation="http://192.168.64.180:9092/backoffice-webservice-ivce/BackofficeBrasilIdIVCe?xsd=1" />
        </xsd:schema>
        <xsd:schema>
            <xsd:import namespace="http://webservices.brasil-id.org.br/ivce/" schemaLocation="http://192.168.64.180:9092/backoffice-webservice-ivce/BackofficeBrasilIdIVCe?xsd=2" />
        </xsd:schema>
    </types>
    <message name="cancelaIVCe">
        <part name="parameters" element="tns:cancelaIVCe" />
    </message>
```

3.5 WEB SERVICES

Os Web Services disponibilizam os serviços que serão utilizados pelos aplicativos clientes e no BON-BrID será fornecido um Web Service por serviço, existindo um

método para cada tipo de serviço. Os webservices listados nesta seção pertencem aos schemas XML BackofficeBrasilIdIVCe.xsd e BackofficeBrasilIdTag.xsd e o significado dos campos das tabelas encontra-se no anexo 4.1 deste documento.

As URLs dos Web Services encontram-se nos schemas XML 4.2 e 4.3 anexos neste documento, por meio das quais é possível obter o WSDL (Web Services Description Language) de cada Web Service. O processo de utilização dos Web Services sempre é iniciado através do envio de uma mensagem nos padrões XML e SOAP, através do protocolo HTTP e a ocorrência de qualquer erro na validação dos dados recebidos interrompe o processo com a disponibilização de uma mensagem adequada.

3.5.1 MÍDIA (TAG SEM SER INICIALIZADA)

3.5.1.1 REQUISIÇÃO DE IDENTIFICADORES DE TRANSPONDERS

Serviço de requisição de identificadores de transponders (requisitaTID) para serem usados em um determinado lote de tag's. Oferecido pelo BON-BrID para permitir a requisição de novos identificadores de transponders por meio de aplicações clientes da fábrica de tag.

Tabela 3-4 - Mensagem de requisição de TID's

| # | Campo | Ele | Pai | Tipo | Ocor. | Tam. | Dec. | Descrição/Obs. |
|-----|---------------|------|-----|------|-------|------|------|-------------------------------------|
| P01 | requisitaTIDs | Raiz | - | - | - | - | | TAG raiz |
| P02 | dtIniProducao | E | P01 | D | 1-1 | | | Data do início de produção das Tags |
| P03 | quantidade | E | P01 | N | 1-1 | 15 | 0 | Quantide de Tags que será fabricada |
| P04 | Signature | E | P01 | xml | 1-1 | | | Assinatura digital da mensagem |

Diagrama simplificado de entrada:

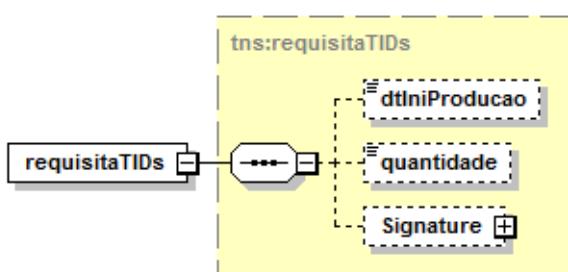
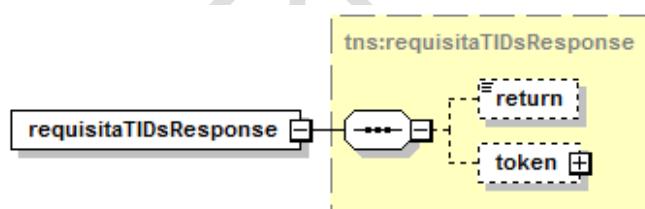


Tabela 3-5 – Mensagem de resposta de requisição de TID's

| # | Campo | Ele | Pai | Tipo | Ocor. | Tam. | Dec. | Descrição/Obs. |
|-----|-----------------------|------|-----|------|-------|------|------|---|
| P01 | requisitaTIDsResponde | Raiz | - | - | - | - | | TAG raiz |
| P02 | Returr | | | 1 | | | | Estrutura contendo o código de retorno da chamada |
| P03 | Token | E | P01 | xml | 1-1 | | | Estrutura de dados que contém o token de requisição de serviço. |

Diagrama simplificado de resposta:

**Figura 3-7- Diagrama de requisitaTIDs Response**

3.5.1.2 RECUPERAÇÃO DE IDENTIFICADORES DE TRANSPONDERS

Serviço de recuperação de identificadores de transponders (recuperaTID) oferecido pelo Back Office para obter o resultado da requisição previamente realizada pela fabrica, por meio do requisitaTID.

Tabela 3-6 – Mensagem de recuperação de TID's

| # | Campo | Ele | Pai | Tipo | Ocor. | Tam. | Dec. | Descrição/Obs. |
|-----|--------------|------|-----|------|-------|------|------|---------------------------------------|
| P01 | recuperaTIDs | Raiz | - | - | - | - | | TAG raiz |
| P02 | Token | E | P01 | xml | 1-1 | | | Estrutura de dados que contém o token |

| | | | | | | | | |
|-----|-----------|---|-----|-----|-----|--|--|--------------------------------|
| | | | | | | | | de requisição de serviço. |
| P03 | Signature | E | P01 | xml | 1-1 | | | Assinatura digital da mensagem |

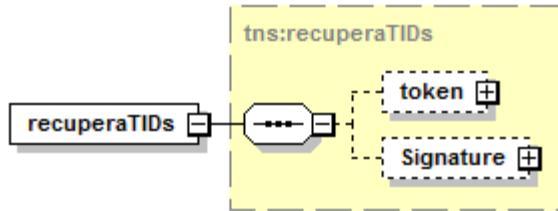


Figura 3-8 - Diagrama de entrada recuperarTIDs

Tabela 3-7 – Mensagem de resposta de recuperação de TID's

| # | Campo | Ele | Pai | Tipo | Ocor | Tam. | Dec. | Descrição/Obs. |
|-----|-----------------------|------|-----|------|------|------|------|---|
| P01 | recuperaTIDsRespons e | Raiz | - | - | - | - | | TAG raiz |
| P02 | Return | E | P01 | xml | 1-1 | - | | Estrutura contendo o código de retorno da chamada |
| P03 | listaTIDs | E | P01 | C | 1-N | | | Lista de IDs criados. |

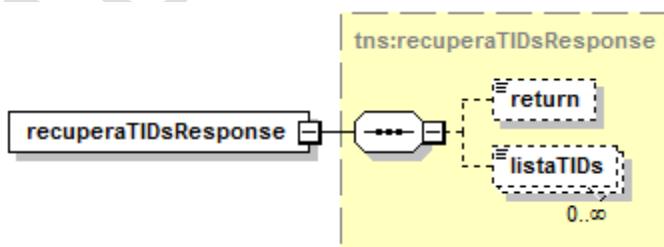


Figura 3-9 - Diagrama de saída recuperar TIDs Response

3.5.1.3 CONFIRMAÇÃO DE REQUISIÇÃO DE IDENTIFICADORES DE TRANSPONDERS

Serviço fornecido para que o CCD⁵ (Comitê Certificador Designado) realize a confirmação (ou recusa) da requisição da lista de identificadores de transponders (confirmaRequisicaoTID), feita pela fabrica de tags por meio do requisitaTID. Se o CCD não confirmar a requisição o fluxo é encerrado.

Tabela 3-8 – Mensagem de confirmação de requisição de TID's

| # | Campo | Ele | Pai | Tipo | Ocor. | Tam. | Dec. | Descrição/Obs. |
|-----|------------------------|------|-----|------|-------|------|------|---|
| P01 | confirmaRequisicaoTIDs | Raiz | - | - | - | - | | TAG raiz |
| P02 | token | E | P01 | xml | 1-1 | | | Estrutura de dados que contém o token de requisição de serviço. |
| P03 | Signature | E | P01 | xml | 1-1 | | | Assinatura digital da mensagem |

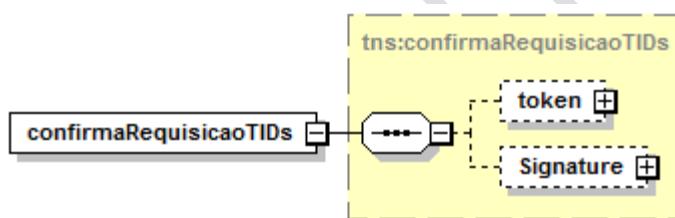


Figura 3-10 - Diagrama de confirma Requisição TIDs

Tabela 3-9 – Mensagem de resposta de confirmação requisição de TID's

| # | Campo | Ele | Pai | Tipo | Ocor. | Tam. | Dec. | Descrição/Obs. |
|-----|--------------------------------|------|-----|------|-------|------|------|---|
| P01 | confirmaRequisicaoTIDsResponse | Raiz | - | - | - | - | | TAG raiz |
| P02 | return | E | P01 | xml | 1-1 | - | | Estrutura contendo o código de retorno da chamada |

⁵ O Comitê Certificador Designado (CCD): é o encarregado de aprovar as requisições de emissão de identificadores de transponders (TIDs) para o processo de fabricação dos transponders.

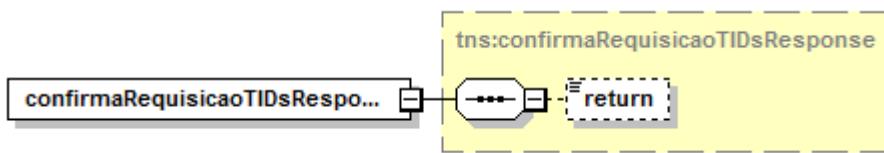


Figura 3-11 - Diagrama de Confirma Requisição TIDs Response

3.5.1.4 CANCELAMENTO DE REQUISIÇÃO DE IDENTIFICADORES DE TRANSPONDERS

Serviço fornecido para permitir o cancelamento de uma requisição de identificadores (cancelaRequisicaoTID) para os casos em que a confirmaRequisicaoTID tiver resultado negativo (CCD não confirmar) ou para quando a fábrica desejar cancelar a requisição.

Tabela 3-10 – Mensagem de cancelamento de requisição de TID's

| # | Campo | Ele | Pai | Tipo | Ocor. | Tam. | Dec. | Descrição/Obs. |
|-----|-----------------------|------|-----|------|-------|------|------|---|
| P01 | cancelaRequisicaoTIDs | Raiz | - | - | - | - | | TAG raiz |
| P02 | token | E | P01 | xml | 1-1 | | | Estrutura de dados que contém o token de requisição de serviço. |
| P03 | Signature | E | P01 | xml | 1-1 | | | Assinatura digital da mensagem |

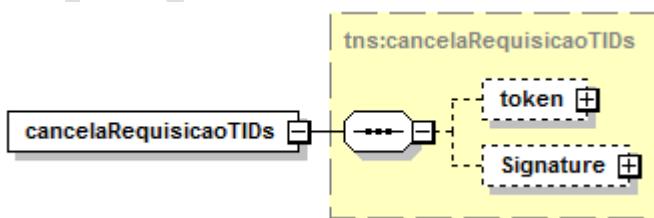


Figura 3-12 - Diagrama de Cancela requisição TIDs requisitaTIDs

Tabela 3-11 – Mensagem de resposta de cancelamento de requisição de TID's

| # | Campo | Ele | Pai | Tipo | Ocor. | Tam. | Dec. | Descrição/Obs. |
|-----|-------------------------------|------|-----|------|-------|------|------|---|
| P01 | cancelaRequisicaoTIDsResponse | Raiz | - | - | - | - | | TAG raiz |
| P02 | return | E | P01 | xml | 1-1 | - | | Estrutura contendo o código de retorno da chamada |

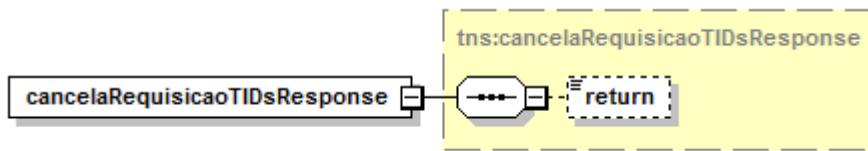


Figura 3-13 - Diagrama de Cancela Requisição TIDs Response

3.5.1.5 REGISTRO DE ENVELOPE PROTETOR

Serviço fornecido para que a fábrica realize o registro do envelope protetor (EP) da tag (registraEP), caracterizando a associação entre EP e identificador de tag (tagID). O EP é um mecanismo de segurança para evitar a clonagem de mídias e o seu registro torna a tag pronta para ser vendida a uma operadora.

Tabela 3-12 – Mensagem de registro de envelope protetor

| # | Campo | Ele | Pai | Tipo | Ocor. | Tam. | Dec. | Descrição/Obs. |
|-----|------------|------|-----|------|-------|------|------|---|
| P01 | registraEP | Raiz | - | - | - | - | | TAG raiz |
| P02 | dictTipEp | E | P01 | xml | 1-1 | | | Dicionário de dados com representação do envelope protetor e identificador da Tag |
| P03 | EP | | P02 | C | 1-1 | 32 | | Envelope protetor da Tag |
| P04 | tid | | P02 | C | 1-1 | 15 | | Identificador da Tag |
| P05 | Signature | E | P01 | xml | 1-1 | | | Assinatura digital da mensagem |

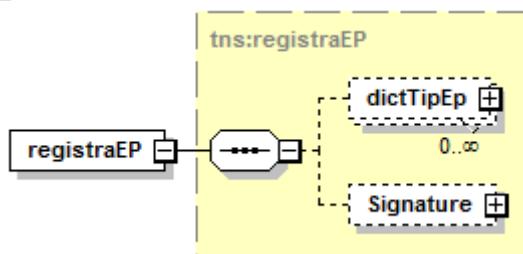
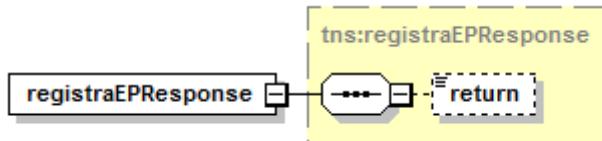


Figura 3-14 - Diagrama Registra EP

Tabela 3-13 – Mensagem de resposta de registro de envelope protetor

| # | Campo | Ele | Pai | Tipo | Ocor. | Tam. | Dec. | Descrição/Obs. |
|-----|--------------------|------|-----|------|-------|------|------|----------------|
| P01 | registraEPResponde | Raiz | - | - | - | - | | TAG raiz |

| | | | | | | | | |
|-----|--------|---|-----|-----|-----|---|--|---|
| P02 | return | E | P01 | xml | 1-1 | - | | Estrutura contendo o código de retorno da chamada |
|-----|--------|---|-----|-----|-----|---|--|---|

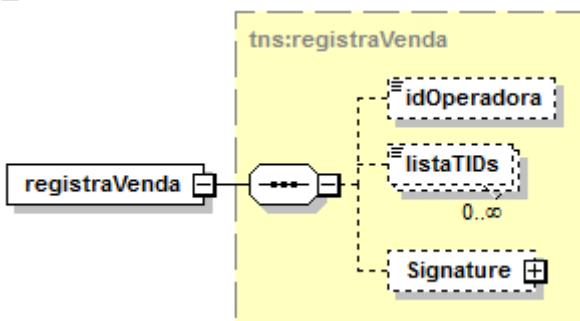
**Figura 3-15 - Diagrama de Registra EP Response**

3.5.1.6 REGISTRO DE VENDA

Serviço fornecido pelo Back office para que a fábrica realize o registro de venda de um lote de tags (registraVenda) para uma operadora, previamente cadastrada.

Tabela 3-14 – Mensagem de registro de venda

| # | Campo | Ele | Pai | Tipo | Ocor. | Tam. | Dec. | Descrição/Obs. |
|-----|---------------|------|-----|------|-------|------|------|---|
| P01 | registraVenda | Raiz | - | - | - | - | | TAG raiz |
| P02 | idOperadora | E | P01 | N | 1-1 | 15 | | Identificador da operadora associada ao processo de venda |
| P03 | listaTIDs | E | P01 | C | 1-N | | | Lista de identificadores das Tags que estão associadas ao processo de venda |
| P04 | Signature | E | P01 | xml | 1-1 | | | Assinatura digital da mensagem |

**Figura 3-16 - Diagrama de Registra Venda****Tabela 3-15 - Mensagem de resposta de registro de venda**

| # | Campo | Ele | Pai | Tipo | Ocor. | Tam. | Dec. | Descrição/Obs. |
|---|-------|-----|-----|------|-------|------|------|----------------|
|---|-------|-----|-----|------|-------|------|------|----------------|

| | | | | | | | | |
|-----|-----------------------|------|-----|-----|-----|---|--|---|
| P01 | registraVendaResponse | Raiz | - | - | - | - | | TAG raiz |
| P02 | Return | E | P01 | xml | 1-1 | - | | Estrutura contendo o código de retorno da chamada |
| P03 | Token | E | P01 | xml | 1-1 | | | Estrutura de dados que contém o token de requisição de serviço. |

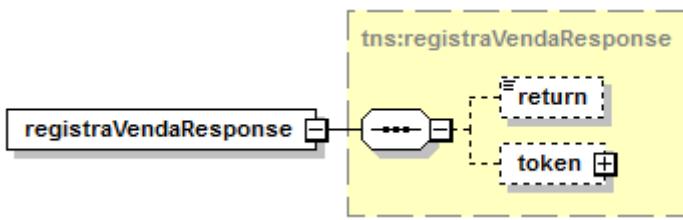


Figura 3-17 - Diagrama Registra Venda Response

3.5.1.7 RECUPERAÇÃO DE INFORMAÇÕES SOBRE A VENDA

Serviço fornecido para que a operadora obtenha informações das tags utilizadas na transação de compra e venda (recuperaDadosVenda).

Tabela 3-16 – Mensagem de recuperação de informações sobre a venda

| # | Campo | Ele | Pai | Tipo | Ocor. | Tam. | Dec. | Descrição/Obs. |
|-----|--------------------|-------|------|------|-------|------|------|---|
| P01 | recuperaDadosVenda | Rai z | - | - | - | - | | TAG raiz |
| P02 | token | E | P0 1 | xml | 1-1 | | | Estrutura de dados que contém o token de requisição de serviço. |
| P03 | Signature | E | P0 1 | xml | 1-1 | | | Assinatura digital da mensagem |

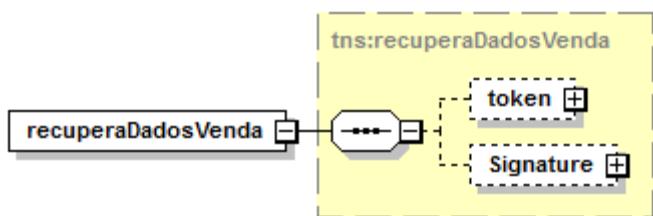
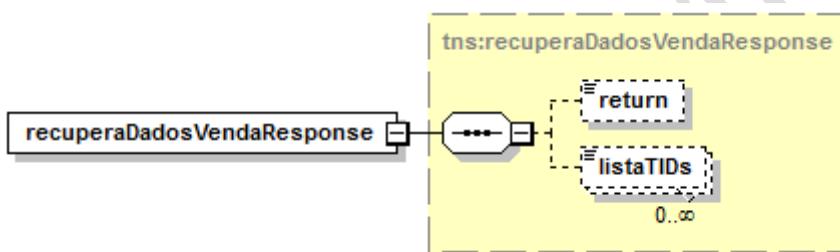


Figura 3-18 - Diagrama de Recupera Dados venda

Tabela 3-17 – Mensagem de resposta de recuperação de informações sobre a venda

| # | Campo | Ele | Pai | Tipo | Ocor. | Tam. | Dec. | Descrição/Obs. |
|-----|----------------------------|------|-----|------|-------|------|------|---|
| P01 | recuperaDadosVendaResponse | Raiz | - | - | - | - | | TAG raiz |
| P02 | return | E | P01 | xml | 1-1 | - | | Estrutura contendo o código de retorno da chamada |
| P03 | listaTIDs | E | P01 | C | 1-N | | | Lista de IDs das tags que estão em processo de venda. |

**Figura 3-19 - Diagrama de Recupera Dados Venda Response**

3.5.1.8 CONFIRMAÇÃO DE VENDA

Serviço do BON-BrID fornecido para assegurar que uma venda de lote de tags, previamente registrada pela fábrica com o `registraVenda`, só seja efetivada após a confirmação de compra por parte da operadora (`confirmaCompra`).

Tabela 3-18 – Mensagem de confirmação de venda

| # | Campo | Ele | Pai | Tipo | Ocor. | Tam. | Dec. | Descrição/Obs. |
|-----|----------------|------|-----|------|-------|------|------|---|
| P01 | confirmaCompra | Raiz | - | - | - | - | | TAG raiz |
| P02 | token | E | P01 | xml | 1-1 | | | Estrutura de dados que contém o token de requisição de serviço. |
| P03 | Signature | E | P01 | xml | 1-1 | | | Assinatura digital da mensagem |

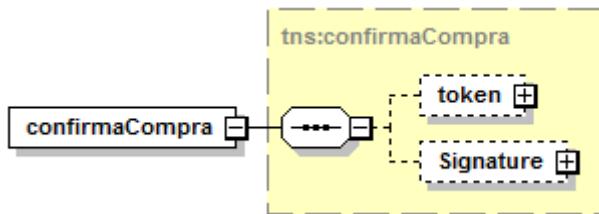


Figura 3-20 - Diagrama de Confirma Compra

Tabela 3-19 - Mensagem de resposta de confirmação de venda

| # | Campo | Ele | Pai | Tipo | Ocor. | Tam. | Dec. | Descrição/Obs. |
|-----|-------------------------|------|-----|------|-------|------|------|---|
| P01 | confirmaCompra Response | Raiz | - | - | - | - | | TAG raiz |
| P02 | return | E | P01 | xml | 1-1 | - | | Estrutura contendo o código de retorno da chamada |

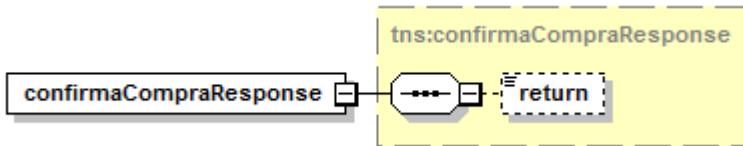


Figura 3-21 - Diagrama Confirma Response

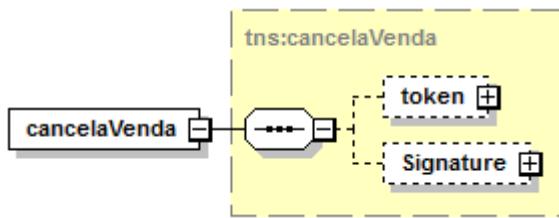
3.5.1.9 CANCELAMENTO DE VENDA

Serviço utilizado para cancelar uma operação de venda de tags.

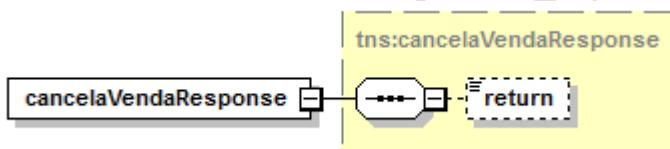
Serviço fornecido para permitir o cancelamento de uma venda de lote de tags (cancelaVenda). Utilizada nos casos em que a confirmaVenda tiver resultado negativo (Operadora não confirmar).

Tabela 3-20 – Mensagem de cancelamento de venda

| # | Campo | Ele | Pai | Tipo | Ocor. | Tam. | Dec. | Descrição/Obs. |
|-----|--------------|------|-----|------|-------|------|------|---|
| P01 | cancelaVenda | Raiz | - | - | - | - | | TAG raiz |
| P02 | token | E | P01 | xml | 1-1 | | | Estrutura de dados que contém o token de requisição de serviço. |
| P03 | Signature | E | P01 | xml | 1-1 | | | Assinatura digital da mensagem |

**Figura 3-22 - Diagrama Cancela Venda****Tabela 3-21 - Mensagem de resposta de cancelamento de venda**

| # | Campo | Ele | Pai | Tipo | Ocor. | Tam. | Dec. | Descrição/Obs. |
|-----|----------------------|------|-----|------|-------|------|------|---|
| P01 | cancelaVendaResponde | Raiz | - | - | - | - | | TAG raiz |
| P02 | return | E | P01 | xml | 1-1 | - | | Estrutura contendo o código de retorno da chamada |

**Figura 3-23 - Diagrama de Cancela Venda Response**

3.5.1.10 RECUPERAÇÃO DO ESTADO DA VENDA

Serviço utilizado para que a fabrica obtenha o estado da venda de lote de tags (recuperaStatusVenda), previamente realizada para uma operadora, por meio de um token.

Tabela 3-22 – Mensagem de recuperação do estado da venda

| # | Campo | Ele | Pai | Tipo | Ocor. | Tam. | Dec. | Descrição/Obs. |
|-----|---------------------|-------|------|------|-------|------|------|---|
| P01 | recuperaStatusVenda | Rai z | - | - | - | - | | TAG raiz |
| P02 | token | E | P0 1 | xml | 1-1 | | | Estrutura de dados que contém o token de requisição de serviço. |
| P03 | Signature | E | P0 1 | xml | 1-1 | | | Assinatura digital da mensagem |

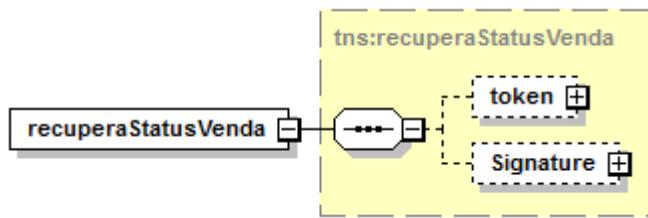


Figura 3-24 - Diagrama Recupera Status Venda

Tabela 3-23 - Mensagem de resposta de recuperação do estado da venda

| # | Campo | Ele | Pai | Tipo | Ocor. | Tam. | Dec. | Descrição/Obs. |
|-----|-----------------------------|------|-----|------|-------|------|------|---|
| P01 | recuperaStatusVendaResponse | Raiz | - | - | - | - | | TAG raiz |
| P02 | return | E | P01 | xml | 1-1 | - | | Estrutura contendo o código de retorno da chamada |

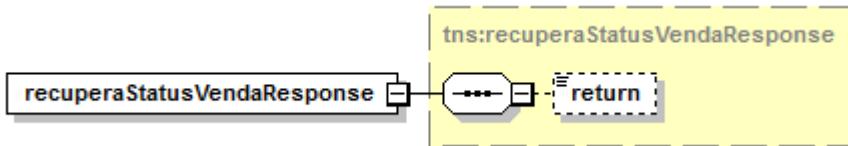


Figura 3-25 - Diagrama Recupera Status Venda response

3.5.2 IVC-E (TAG INICIALIZADA)

3.5.2.1 INICIALIZAÇÃO DE TAG COMO IVC-E

Serviço (inicializaIvcTag) que permite para que uma Operadora inicialize um IVC-e (Identificador de Veículo de Carga Eletrônico), através de um CSS⁶ (Console de Solicitação de Serviço), para que futuramente possa ser instalado em um veículo.

Tabela 3-24 – Mensagem de inicialização de Tag IVC-e

| # | Campo | Ele | Pai | Tipo | Ocor. | Tam. | Dec. | Descrição/Obs. |
|-----|------------------|------|-----|------|-------|------|------|--------------------------------|
| P01 | inicializaIvcTag | Raiz | - | - | - | - | | TAG raiz |
| P02 | Signature | E | P01 | xml | 1-1 | | | Assinatura digital da mensagem |

⁶ CSS: Entidade responsável por comunicar-se com a EGC e realizar comandos para operação do ECT.

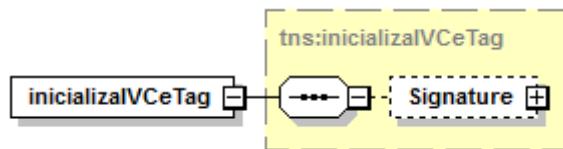


Figura 3-26 - Diagrama de Inicializa IVC-e TAG

Tabela 3-25 - Mensagem de resposta de inicialização de Tag IVC-e

| # | Campo | Ele | Pai | Tipo | Ocor. | Tam. | Dec. | Descrição/Obs. |
|-----|----------------------------|------|-----|------|-------|------|------|---|
| P01 | inicializarIVCeTagResponde | Raiz | - | - | - | - | | TAG raiz |
| P02 | return | E | P01 | xml | 1-1 | - | - | Estrutura contendo o código de retorno da chamada |
| P03 | token | E | P01 | xml | 1-1 | - | - | Estrutura de dados que contém o token de requisição de serviço. |

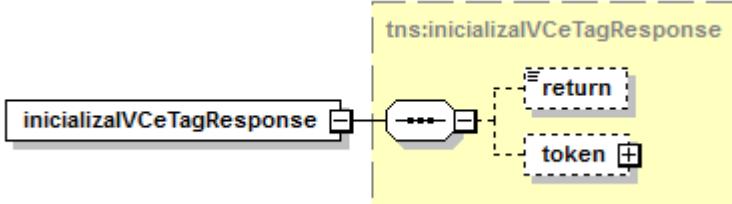


Figura 3-27 - Diagrama de Inicializa IVC-e TAG RESPONSE

3.5.2.2 RECUPERAÇÃO DO ESTADO DA INICIALIZAÇÃO DE TAG COMO IVC-E

Serviço (recuperaStatusInicializacao) fornecido pelo Back Office para que a operadora possa recuperar o estado da inicialização de um IVC-e (Identificador de Veículo de Carga Eletrônico).

Tabela 3-26 – Mensagem de recuperação do estado da inicialização de Tag IVC-e

| # | Campo | Ele | Pai | Tipo | Ocor. | Tam. | Dec. | Descrição/Obs. |
|-----|-----------------------------|------|-----|------|-------|------|------|---------------------------------------|
| P01 | recuperaStatusInicializacao | Raiz | - | - | - | - | | TAG raiz |
| P02 | token | E | P01 | xml | 1-1 | - | - | Estrutura de dados que contém o token |

| | | | | | | | | |
|-----|-----------|---|-----|-----|-----|---|---|--------------------------------|
| | | | | | | | | de requisição de serviço. |
| P03 | Signature | E | P01 | xml | 1-1 | - | - | Assinatura digital da mensagem |

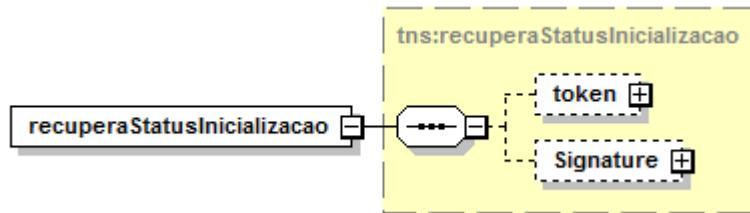


Figura 3-28 - Diagrama Recupera Status Inicializado

Tabela 3-27 - Mensagem de resposta de recuperação do estado da inicialização de Tag IVC-e

| # | Campo | Ele | Pai | Tipo | Ocor. | Tam. | Dec. | Descrição/Obs. |
|-----|---|----------|-----|------|-------|------|------|--|
| P01 | recuperaStatusInicia lizacaoResponse | Rai z | - | - | - | - | | TAG raiz |
| P02 | return | E | P01 | xml | 1-1 | - | - | Estrutura contendo o código de retorno da chamada |
| P03 | obuid | E | P01 | C | 1-1 | 10 | - | Identificador único da tag |

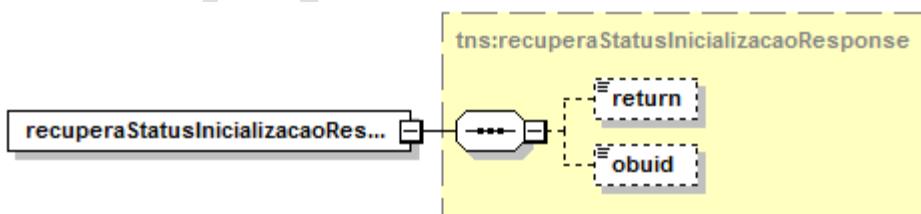


Figura 3-29 - Diagrama de Recupera Status Inicialização response

3.5.2.3 VÍNCULO ENTRE IVC-E E VEÍCULO

Serviço (vinculaIVCe) fornecido para que uma Operadora notifique a vinculação de um IVC-e (Identificador de Veículo de Carga Eletrônico) com um veículo, através de um CSS (Console de Solicitação de Serviço).

Método síncrono utilizado pela operadora Brasil-id através de um Console de Solicitação de Serviços (CSS) para notificar a instalação de um IVC-e previamente inicializado em um veículo

Tabela 3-28 – Mensagem de vínculo entre IVC-e e veículo

| # | Campo | Ele | Pai | Tipo | Ocor. | Tam. | Dec. | Descrição/Obs. |
|-----|-------------|------|-----|------|-------|------|------|--|
| P01 | vinculaIVCe | Raiz | - | - | - | - | | TAG raiz |
| P02 | veiculo | E | P01 | xml | 1-1 | - | - | Estrutura que armazena os dados do veículo na comunicação do web service |
| P03 | obuid | E | P01 | C | 1-1 | 10 | - | Identificador único do veículo |
| P04 | Signature | E | P01 | xml | 1-1 | - | - | Assinatura digital da mensagem |

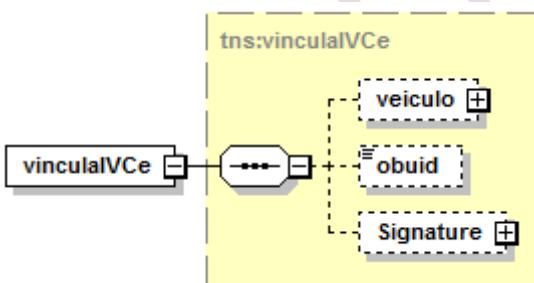


Figura 3-30 - Diagrama de Vincula IVC-e

Tabela 3-29 - Mensagem de resposta de vínculo entre IVC-e e veículo

| # | Campo | Ele | Pai | Tipo | Ocor. | Tam. | Dec. | Descrição/Obs. |
|-----|----------------------|------|------|------|-------|------|------|---|
| P01 | vinculaIVCeRespon se | Raiz | - | - | - | - | | TAG raiz |
| P02 | return | E | P0 1 | xml | 1-1 | - | - | Estrutura contendo o código de retorno da chamada |

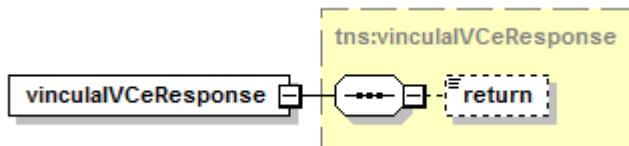


Figura 3-31 - Diagrama de Vincula IVC-e Response

3.5.2.4 REGISTRO DE PASSAGEM DE IVC-E

Serviço (passagem) fornecido pelo BON-BrID para efetuar o registro no BON-BrID da passagem de um IVC-e (Identificador de Veículo de Carga Eletrônico) por um SLD⁷ (Sistema de Leitura de Dispositivo).

Tabela 3-30 – Mensagem de registro de Passagem de IVC-e

| # | Campo | Ele | Pai | Tipo | Ocor. | Tam. | Dec. | Descrição/Obs. |
|-----|-----------|------|-----|------|-------|------|------|--------------------------------|
| P01 | passagem | Raiz | - | - | - | - | | TAG raiz |
| P02 | obuid | E | P01 | C | 1-1 | 10 | - | Identificador único da tag |
| P03 | data | E | P01 | D | 1-1 | - | - | Data da passagem |
| P04 | Signature | E | P01 | xml | 1-1 | - | - | Assinatura digital da mensagem |

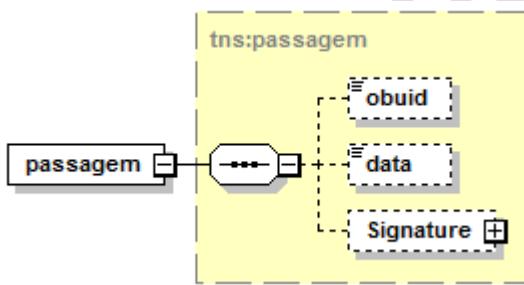


Figura 3-32 - Diagrama de Passagem

Tabela 3-31 - Mensagem de resposta de registro de Passagem de IVC-e

| # | Campo | Ele | Pai | Tipo | Ocor. | Tam. | Dec. | Descrição/Obs. |
|-----|-------------------|------|-----|------|-------|------|------|---|
| P01 | passagemRespon se | Raiz | - | - | - | - | | TAG raiz |
| P02 | return | E | P01 | xml | 1-1 | - | - | Estrutura contendo o código de retorno da chamada |

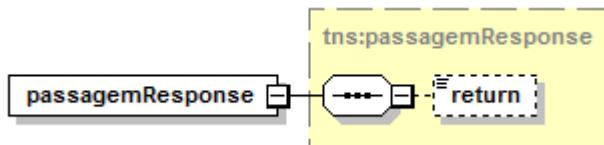


Figura 3-33 - Diagrama de entrada requisitaTID

⁷ SLD: Sistema de Leitura de Dispositivo é um conjunto composto de sensores e equipamentos instalados para a detecção de passagem dos veículos e outras entidades participantes do projeto.

3.5.2.5 DECODIFICAÇÃO DO BLOCO CIFRADO DO IVC-E

Serviço (decodificaIVCe) que permite que um SLD (Sistema de Leitura de Dispositivo) possa decodificar um Transponder para registrar a passagem com a tag previamente validada.

Tabela 3-32 – Mensagem de decodificação do bloco cifrado do IVC-e

| # | Campo | Ele | Pai | Tipo | Ocor. | Tam. | Dec. | Descrição/Obs. |
|-----|----------------|------|-----|------|-------|------|------|---|
| P01 | decodificaIVCe | Raiz | - | - | - | - | | TAG |
| P02 | blocoCifrado | E | P01 | C | 1-1 | 64 | | Conjunto de informações codificadas retornadas pela tag |
| P03 | idGrupo | E | P01 | N | 1-1 | - | | Grupo da tag |
| P04 | r96 | E | P01 | C | 1-1 | 24 | | Número aleatório gerado pelo SLD para validação da leitura da tag |
| P05 | Signature | E | P01 | xml | 1-1 | | | Assinatura digital da mensagem |

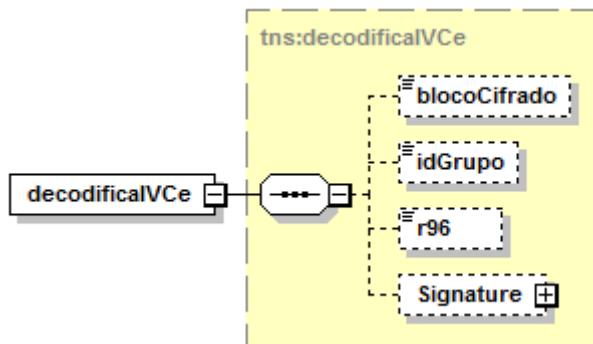


Figura 3-34 - Diagrama de decodifica IVC-e

Tabela 3-33 - Mensagem de resposta de decodificação do bloco cifrado do IVC-e

| # | Campo | Ele | Pai | Tipo | Ocor. | Tam. | Dec. | Descrição/Obs. |
|-----|------------------------|------|-----|------|-------|------|------|---|
| P01 | decodificaIVCeResponse | Raiz | - | - | - | - | | TAG |
| P02 | return | E | P01 | xml | 1-1 | | | Estrutura contendo o código de retorno da chamada |
| P03 | obuid | E | P01 | N | 1-1 | 10 | | Identificado único da tag |

| | | | | | | | | |
|-----|--------|---|-----|---|-----|----|--|-------------------------------------|
| P04 | data64 | E | P01 | N | 1-1 | 16 | | Bloco de dados decodificados da tag |
|-----|--------|---|-----|---|-----|----|--|-------------------------------------|

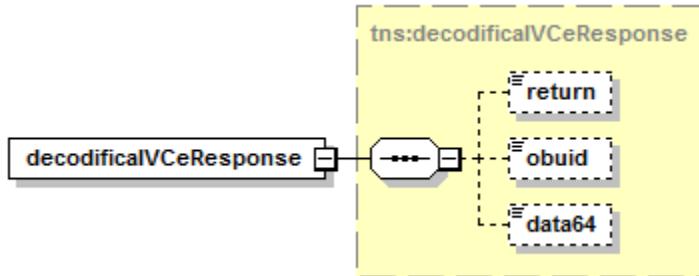


Figura 3-35 - Diagrama de decodifica IVC-e Response

3.5.2.6 CANCELAMENTO DE IVC-E

Serviço (cancelaIVCe) fornecido pelo BON-BrID para permitir que uma Operadora possa cancelar um IVC-e (Identificador de Veículo de Carga – Eletrônico) associado a um veículo, inutilizando seu uso no contexto do sistema.

Tabela 3-34 – Mensagem de cancelamento de IVC-e

| # | Campo | Ele | Pai | Tipo | Ocor. | Tam. | Dec. | Descrição/Obs. |
|-----|-------------|------|-----|------|-------|------|------|--|
| P01 | cancelaIVCe | Raiz | - | - | - | - | | TAG |
| P02 | placa | E | P01 | C | 1-1 | 7 | | Placa do veículo no qual o IVC-e foi instalado |
| P03 | obuid | E | P01 | C | 1-1 | 10 | | Identificador único do IVC-e a ser cancelado |
| P04 | Signature | E | P01 | Xml | 1-1 | 0 | | Assinatura digital da mensagem |

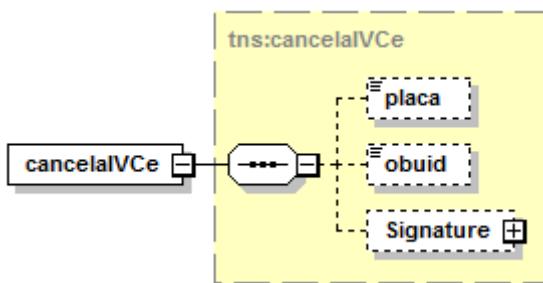
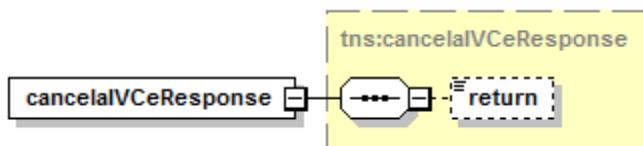


Figura 3-36 - Diagrama de Cancela IVC-e

Tabela 3-35 - Mensagem de resposta de cancelamento de IVC-e

| # | Campo | Ele | Pai | Tipo | Ocor. | Tam. | Dec. | Descrição/Obs. |
|-----|---------------------|------|-----|------|-------|------|------|---|
| P01 | cancelaIVCeResponde | Raiz | - | - | - | - | | TAG |
| P02 | Return | E | P01 | xml | 1-1 | 0 | | Estrutura contendo o código de retorno da chamada executada |

**Figura 3-37 - Diagrama de Cancela IVC-e ResponseTipos definidos**

3.5.3 TIPOS DEFINIDOS

3.5.3.1 TIDEP

Estrutura utilizada para associar informação entre Id de Tag (Tid) e envelope protetor (EP) durante a comunicação dos web Services.

Tabela 3-36 - Tipo TIDEP

| # | Campo | Ele | Pai | Tipo | Ocor. | Tam. | Dec. | Descrição/Obs. |
|-----|-------|-------|-----|------|-------|------|------|--------------------------|
| P01 | tidEP | Rai z | - | - | - | - | | TAG raiz |
| P02 | EP | E | P01 | C | 1-1 | - | - | Envelope protetor da tag |
| P03 | Tid | E | P01 | C | 1-1 | - | - | Identificador da tag |

3.5.3.2 WSTOKEN

Estrutura de dados que contém o token de requisição de serviço. Este token é usado nas operações assíncronas de web services, vinculando a chamada corrente com uma pré-estabelecida (iniciada).

Tabela 3-37 - Tipo WSToken

| # | Campo | Ele | Pai | Tipo | Ocor. | Tam. | Dec. | Descrição/Obs. |
|-----|---------|------|-----|------|-------|------|------|----------------|
| P01 | wsToken | Raiz | - | - | - | - | | TAG raiz |
| P02 | chave | E | P01 | C | 1-1 | - | - | Chave do token |

3.5.3.3 WSVEICULO

Estrutura que armazena os dados do veículo na comunicação do Web Service.

Tabela 3-38 - Tipo WSVeiculo

| # | Campo | Ele | Pai | Tipo | Ocor. | Tam. | Dec. | Descrição/Obs. |
|-----|-----------|------|-----|------|-------|------|------|------------------|
| P01 | wsVeiculo | Raiz | - | - | - | - | | TAG raiz |
| P02 | placa | E | P01 | C | 1-1 | - | - | Placa do veículo |

3.5.3.4 WSRESULT

Estrutura padrão de retorno utilizada em todos os métodos de Web Services. O wsResult define um conjunto enumerado de possíveis códigos, indicando o tipo de erro e sua origem como mostra a tabela a seguir:

Tabela 3-39 - Tipo WSResult

| # | Campo | Ele | Pai | Tipo | Ocor. | Tam. | Dec. | Descrição/Obs. |
|-----|-----------|------|-----|------|-------|------|------|-------------------|
| P01 | wsResult | Raiz | - | - | - | - | | TAG raiz |
| P02 | codigo | E | P01 | C | 1-1 | - | - | Código de erro |
| P03 | descricao | E | P01 | C | 1-1 | - | - | Descrição do erro |
| P04 | nome | E | P01 | C | 1-1 | - | - | Nome do erro |

Tabela 3-40 – Nomes de retorno

| Retorno | Descrição |
|-----------------------------------|---|
| SUCESSO | Indica que a operação foi realizada com sucesso |
| CHAMADA_ASSINCRONA_NAO_FINALIZADA | Uma chamada assíncrona não foi finalizada ainda |
| ERRO_DESCONHECIDO | Houve um erro não identificado na chamada ao método |
| ERRO_PARAMETROS_INVALIDOS | Parâmetros incorretos na chamada do método |
| ERRO_NAO_APROVADO | Utilizado quando alguma tarefa de usuário não foi aprovada. |

| | |
|----------------------------------|--|
| ERRO_ASSINATURA_INVALIDA | Informa se a assinatura é inválida |
| ERRO_PERMISSAO | Informa se não tem permissão para executar determinada transação |
| ERRO_TOKEN_INVALIDO | Ocorre quando token é inválido ou nulo |
| ERRO_TID_NAO_ENCONTRADO | Ocorre quando qualquer TID utilizado em transações não é encontrado |
| ERRO_FABRICA_NAO_ENCONTRADA | Ocorre quando a fábrica utilizada nas transações não é encontrada |
| ERRO_OPERADORA_NAO_ENCONTRADA | Ocorre quando operadora não é encontrada |
| ERRO_TID_NAO_PERTENCE_FABRICA | Ocorre quanto um TID utilizado na requisição não pertence a fábrica |
| ERRO_OBUID_NAO_ENCONTRADO | Ocorre quando um obuid não é encontrado |
| ERRO_FALHA_GERACAO_OBUID | Ocorre na falha de geração de um OBUID |
| ERRO_SLD_NAO_ENCONTRADO | Ocorre quando um SLD não é encontrado |
| ERRO_CSS_NAO_ENCONTRADO | Ocorre quando um CSS não é encontrado |
| ERRO_ECT_NAO_ENCONTRADO | Ocorre quando um ECT não é encontrado |
| ERRO_FALHA_COMUNICACAO_ECT | Ocorre uma falha de comunicação com o ECT |
| ERRO_FALHA_DE_DADOS_ECT | Ocorre uma falha de validação de Tag com o ECT |
| ERRO_FALHA_VALIDACAO_ECT | Ocorre uma falha de validação de Tag com o ECT |
| ERRO_TAG_UTILIZADA | Ocorre quando uma Tag já está sendo utilizada por outro veículo |
| ERRO_TAG_JA_POSSE_EP_ASSOCIADO | Ocorre quando há a tentativa de gravar um EP a uma tag que já possui um EP associado |
| ERRO_LOTE_NAO_PERTENCE_OPERADORA | Ocorre quando uma operadora requisita um lote que esta não possui |

| | |
|--|--|
| ERRO_TAG_NAO_PODE_SER_VENDIDA | Ocorre quando uma há uma tentativa de venda de uma tag que está em processo de venda ou já foi vendida |
| ERRO_IVCE_NAO_ENCONTRADO | Ocorre quando um IVC-e não é encontrado em uma busca feita no banco de dados |
| ERRO_ASSOCIACAO_IVCE | Ocorre quando existe algum problema na associação entre o IVCE e um veículo |
| ERRO_VEICULO_JA_POSSEVE_IVCE | Ocorre quando veículo já tem IVC-e instalado |
| ERRO_NAO_FOI_POSSIVEL_DECODIFICAR_A_MENSAGEM | Ocorre quando a tag não pode ser decodificada |

3.6 SERVIÇOS DISPONIBILIZADOS POR MENSAGENS

A interface de mensagens está especificada por *Protocol Buffers* (também chamado protobuf) se assemelha ao código de linguagens usuais de programação, como C++ e Java. Ela é apresentada em arquivos .proto que descrevem, basicamente, a estrutura dos dados, seus tipos e ordem de armazenamento. Cada arquivo especifica estruturas de mensagens para comunicação que serão interpretadas pelo BackOffice Fiscal. Na sequência são apresentados os arquivos e formato das mensagens utilizadas na comunicação.

3.6.1 MENSAGEM DE LEITURA

Mensagem de leitura de passagem de veículos.

Tabela 3-41 - Mensagem de leitura

| Campo | Tipo | Regra | Descrição |
|--------------|--------|----------|---|
| Id | uint64 | opcional | Identificador da mensagem |
| timestamp | uint64 | opcional | Horário da leitura em ms. |
| idSLD | int64 | opcional | Identificador do SLD de origem |
| groupID | uint32 | opcional | Identificador do grupo. |
| r96 | bytes | opcional | Valor aleatório utilizado na leitura do transponder |
| blocoCifrado | bytes | opcional | Bloco cifrado |

| | | | |
|--------------|--------|----------|---|
| tagId | uint64 | opcional | Identificador da Tag |
| protocoloTag | uint32 | opcional | Protocolo utilizado para efetivar a leitura do tag, pode assumir os valores SINIAV_G0 = 0; SJ5511 = 1 e P63 = 2 |

VERSAO PRELIMINAR

4 ANEXOS

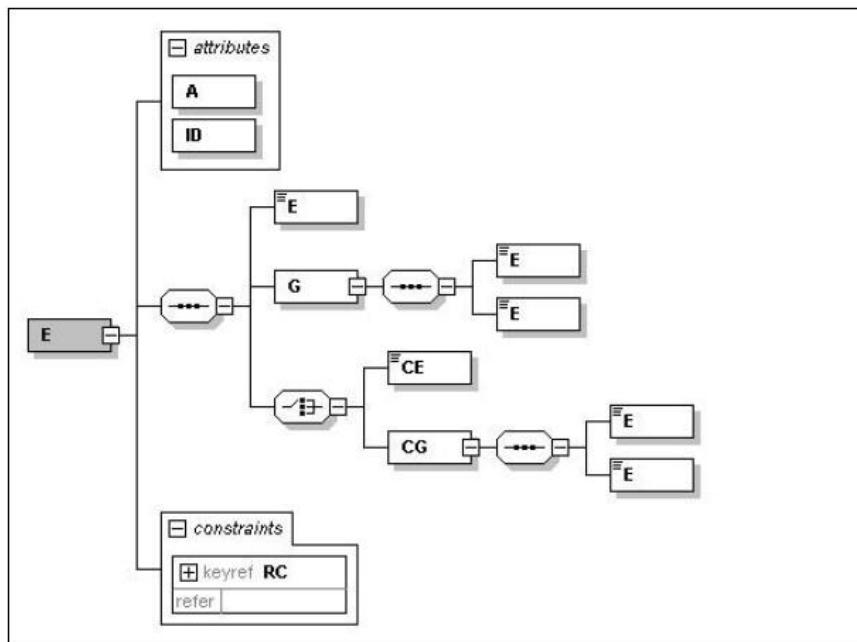
4.1 LEIAUTE DO IVC-E

Observações importantes para entendimento do Leiaute do IVC-e:

- 1) Abreviações utilizadas nas colunas de cabeçalho do leiaute:

| # | Campo | Ele | Pai | Tipo | Ocor. | Tam. | Dec. | Descrição/Obs. |
|-----|-------------------------|------|-----|------|-------|------|------|---|
| P01 | decodificaIVCe Response | Raiz | 0 | 0 | 0 | 0 | | TAG |
| P02 | return | E | P01 | xml | 1-1 | | | Estrutura contendo o código de retorno da chamada |

- a) **Coluna #:** Identificador da linha da tabela;
- b) **Coluna Campo:** Identificador do nome do campo. Como a nomenclatura dos nomes dos campos foi padronizada, um nome de campo é utilizado para identificar campos diferentes. A diferenciação dos campos é realizada considerando as tags de grupo.
- c) **Coluna Ele:**
 - A – indica que o campo é um atributo do Elemento anterior;
 - E – Indica que o campo é um Elemento;
 - CE – Indica que o campo é um Elemento que deriva de uma Escolha (Choice);
 - G – Indica que o campo é um elemento de Grupo;
 - CG – Indica que o campo é um Elemento de Grupo que deriva de uma Escolha (Choice);
 - ID – Indica que o campo é um ID da XML 1.0;
 - RC – Indica que o campo é uma key constraint (Restrição de Chave) para garantir a unicidade e presença do valor.



- d) **Coluna Pai:** Indica o nível hierárquico do item na estrutura;
- e) **Coluna Tipo:**
 - N – Campo numérico;
 - C – Campo alfanumérico;
 - D – Campo data.
- f) **Coluna Ocorrência:** $x-y$, onde x indica a ocorrência mínima e y a ocorrência máxima;
- g) **Coluna Tamanho:** $x-y$, onde x indica o tamanho mínimo e y o tamanho máximo; a existência de um único valor indica que o campo tem tamanho fixo, devendo-se informar a quantidade de caracteres exigidos, preenchendo-se os zeros não significativos; tamanhos separados por vírgula indicam que o campo deve ter um dos tamanhos fixos da lista;
- h) **Coluna Dec:** Decimais
- i) **O tamanho máximo dos campos** Tipo “C”, quando não especificado, é 60 posições.

4.2 SCHEMA RELACIONADO AOS MÉTODOS DA TAG

Schema BackofficeBrasilldTag.xsd

targetNamespace: <http://webservices.brasil-id.org.br/tag/>

| Elements | Complex types | Simple types |
|--|--|--------------------------|
| cancelaRequisicaoTIDs | cancelaRequisicaoTIDs | wsResult |
| cancelaRequisicaoTIDsResponse | cancelaRequisicaoTIDsResponse | |
| cancelaVenda | cancelaVenda | |
| cancelaVendaResponse | cancelaVendaResponse | |
| confirmaCompra | confirmaCompra | |
| confirmaCompraResponse | confirmaCompraResponse | |
| confirmaRequisicaoTIDs | confirmaRequisicaoTIDs | |
| confirmaRequisicaoTIDsResponse | confirmaRequisicaoTIDsResponse | |
| recuperaDadosVenda | recuperaDadosVenda | |
| recuperaDadosVendaResponse | recuperaDadosVendaResponse | |
| recuperaStatusVenda | recuperaStatusVenda | |
| recuperaStatusVendaResponse | recuperaStatusVendaResponse | |
| recuperaTIDs | recuperaTIDs | |
| recuperaTIDsResponse | recuperaTIDsResponse | |
| registraEP | registraEP | |
| registraEPResponse | registraEPResponse | |
| registraVenda | registraVenda | |
| registraVendaResponse | registraVendaResponse | |
| requisitaTIDs | requisitaTIDs | |
| requisitaTIDsResponse | requisitaTIDsResponse | |
| | tidEP | |
| | wsToken | |

schema location: <C:\Program Files\Altova\Common2013\Schemas\xmlsig\files\xmlsig-core-schema.xsd>

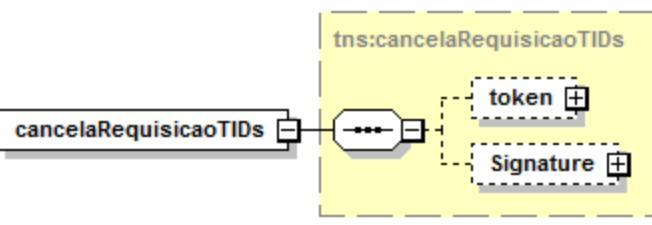
attributeFormDefault:

elementFormDefault: **qualified**

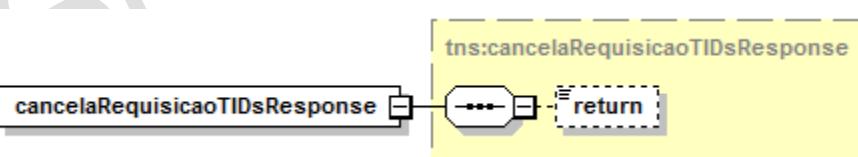
targetNamespace: <http://www.w3.org/2000/09/xmlsig#>

| Elements | Complex types | Simple types |
|--|--|--------------------------------------|
| CanonicalizationMethod | CanonicalizationMethodType | CryptoBinary |
| DigestMethod | DigestMethodType | DigestValueType |
| DigestValue | DSAKeyValue | HMACOutputLengthType |
| DSAKeyValue | KeyInfoType | |
| KeyInfo | KeyValue | |
| KeyName | ManifestType | |
| KeyValue | ObjectType | |
| Manifest | PGPDataType | |
| MgmtData | ReferenceType | |
| Object | RetrievalMethodType | |
| PGPData | RSAKeyValue | |
| Reference | SignatureMethodType | |
| RetrievalMethod | SignaturePropertiesType | |
| RSAKeyValue | SignaturePropertyType | |
| Signature | SignatureType | |
| SignatureMethod | SignatureValueType | |
| SignatureProperties | SignedInfoType | |
| SignatureProperty | SPKIDataType | |
| SignatureValue | TransformsType | |
| SignedInfo | TransformType | |

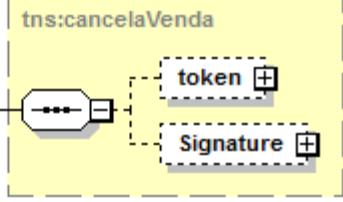
[SPKIData](#)[X509DataType](#)[Transform](#)[X509IssuerSerialType](#)[Transforms](#)[X509Data](#)
element cancelaRequisicaoTIDs

| | |
|------------|---|
| diagram |  |
| namespace | http://webservices.brasil-id.org.br/tag/ |
| type | tns:cancelaRequisicaoTIDs |
| properties | content complex |
| children | token Signature |
| source | <xs:element name="cancelaRequisicaoTIDs" type="tns:cancelaRequisicaoTIDs"/> |

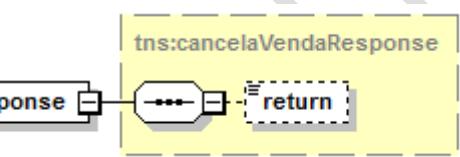
element cancelaRequisicaoTIDsResponse

| | |
|------------|---|
| diagram |  |
| namespace | http://webservices.brasil-id.org.br/tag/ |
| type | tns:cancelaRequisicaoTIDsResponse |
| properties | content complex |
| children | return |
| source | <xs:element name="cancelaRequisicaoTIDsResponse" type="tns:cancelaRequisicaoTIDsResponse"/> |

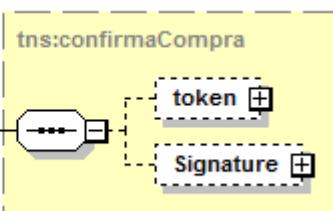
element cancelaVenda

| | |
|------------|---|
| diagram |  |
| namespace | http://webservices.brasil-id.org.br/tag/ |
| type | tns:cancelaVenda |
| properties | content complex |
| children | token Signature |
| source | <xs:element name="cancelaVenda" type="tns:cancelaVenda"/> |

element cancelaVendaResponse

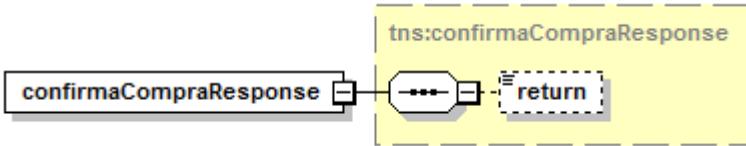
| | |
|------------|---|
| diagram |  |
| namespace | http://webservices.brasil-id.org.br/tag/ |
| type | tns:cancelaVendaResponse |
| properties | content complex |
| children | return |
| source | <xs:element name="cancelaVendaResponse" type="tns:cancelaVendaResponse"/> |

element confirmaCompra

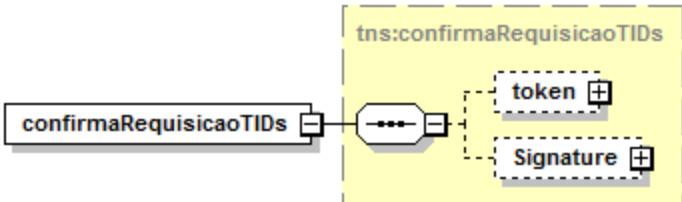
| | |
|------------|---|
| diagram |  |
| namespace | http://webservices.brasil-id.org.br/tag/ |
| type | tns:confirmaCompra |
| properties | content complex |
| children | token Signature |

| | |
|--------|--|
| source | <code><xs:element name="confirmaCompra" type="tns:confirmaCompra"/></code> |
|--------|--|

element confirmaCompraResponse

| | |
|------------|--|
| diagram |  <p>The diagram shows a class named <code>confirmaCompraResponse</code> with a dashed association line pointing to a <code>return</code> object.</p> |
| namespace | <code>http://webservices.brasil-id.org.br/tag/</code> |
| type | <u>tns:confirmaCompraResponse</u> |
| properties | content complex |
| children | <u>return</u> |
| source | <code><xs:element name="confirmaCompraResponse" type="tns:confirmaCompraResponse"/></code> |

element confirmaRequisicaoTIDs

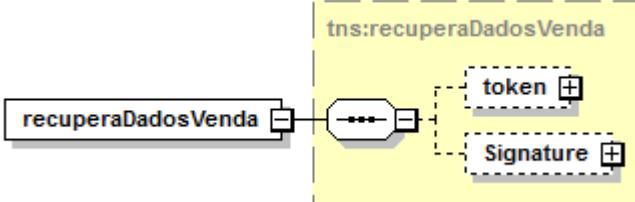
| | |
|------------|--|
| diagram |  <p>The diagram shows a class named <code>confirmaRequisicaoTIDs</code> with two children: <code>token</code> and <code>Signature</code>, both enclosed in a dashed box.</p> |
| namespace | <code>http://webservices.brasil-id.org.br/tag/</code> |
| type | <u>tns:confirmaRequisicaoTIDs</u> |
| properties | content complex |
| children | <u>token</u> <u>Signature</u> |
| source | <code><xs:element name="confirmaRequisicaoTIDs" type="tns:confirmaRequisicaoTIDs"/></code> |

element confirmaRequisicaoTIDsResponse

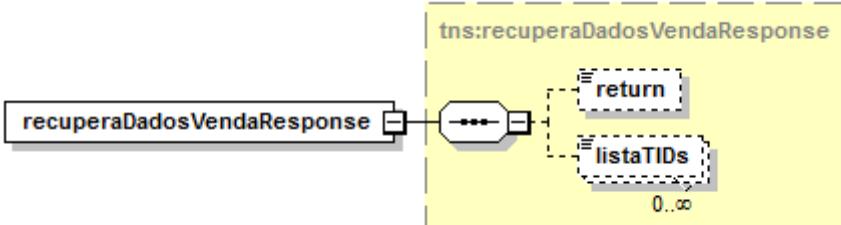
| | |
|---------|--|
| diagram |  <p>The diagram shows a class named <code>confirmaRequisicaoTIDsResponse</code> with a dashed association line pointing to a <code>return</code> object.</p> |
|---------|--|

| | |
|------------|---|
| namespace | http://webservices.brasil-id.org.br/tag/ |
| type | <u>tns:confirmaRequisicaoTIDsResponse</u> |
| properties | content complex |
| children | <u>return</u> |
| source | <xs:element name="confirmaRequisicaoTIDsResponse" type="tns:confirmaRequisicaoTIDsResponse"/> |

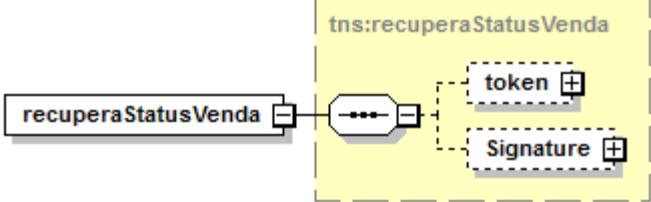
element recuperaDadosVenda

| | |
|------------|--|
| diagram |  |
| namespace | http://webservices.brasil-id.org.br/tag/ |
| type | <u>tns:recuperaDadosVenda</u> |
| properties | content complex |
| children | <u>token</u> <u>Signature</u> |
| source | <xs:element name="recuperaDadosVenda" type="tns:recuperaDadosVenda"/> |

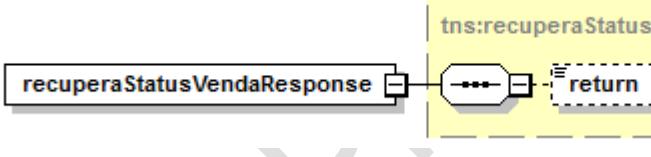
element recuperaDadosVendaResponse

| | |
|------------|---|
| diagram |  |
| namespace | http://webservices.brasil-id.org.br/tag/ |
| type | <u>tns:recuperaDadosVendaResponse</u> |
| properties | content complex |
| children | <u>return</u> <u>listaTIDs</u> |
| source | <xs:element name="recuperaDadosVendaResponse" type="tns:recuperaDadosVendaResponse"/> |

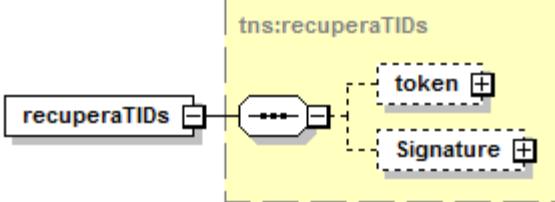
element recuperaStatusVenda

| | |
|------------|--|
| diagram |  |
| namespace | http://webservices.brasil-id.org.br/tag/ |
| type | tns:recuperaStatusVenda |
| properties | content complex |
| children | token Signature |
| source | <xs:element name="recuperaStatusVenda" type="tns:recuperaStatusVenda"/> |

element recuperaStatusVendaResponse

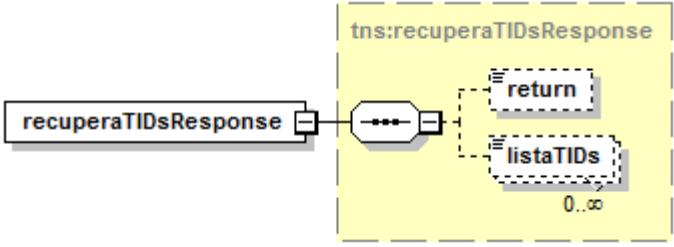
| | |
|------------|---|
| diagram |  |
| namespace | http://webservices.brasil-id.org.br/tag/ |
| type | tns:recuperaStatusVendaResponse |
| properties | content complex |
| children | return |
| source | <xs:element name="recuperaStatusVendaResponse" type="tns:recuperaStatusVendaResponse"/> |

element recuperaTIDs

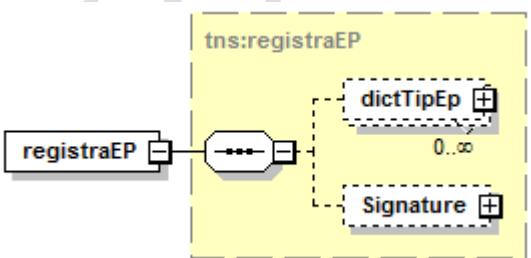
| | |
|-----------|---|
| diagram |  |
| namespace | http://webservices.brasil-id.org.br/tag/ |
| type | tns:recuperaTIDs |

| | |
|------------|---|
| properties | content complex |
| children | token Signature |
| source | <xs:element name="recuperaTIDs" type="tns:recuperaTIDs"/> |

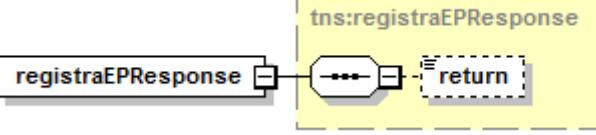
element recuperarTIDsResponse

| | |
|------------|---|
| diagram |  |
| namespace | http://webservices.brasil-id.org.br/tag/ |
| type | tns:recuperaTIDsResponse |
| properties | content complex |
| children | return listaTIDs |
| source | <xs:element name="recuperaTIDsResponse" type="tns:recuperaTIDsResponse"/> |

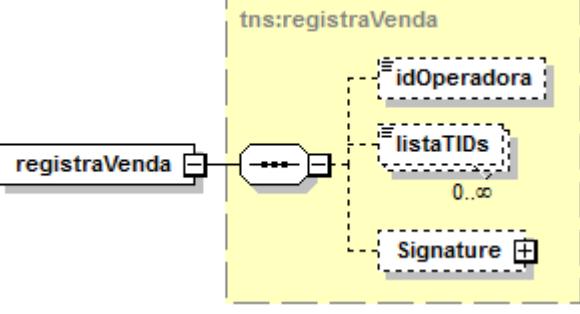
element registraEP

| | |
|------------|---|
| diagram |  |
| namespace | http://webservices.brasil-id.org.br/tag/ |
| type | tns:registraEP |
| properties | content complex |
| children | dictTipEp Signature |
| source | <xs:element name="registraEP" type="tns:registraEP"/> |

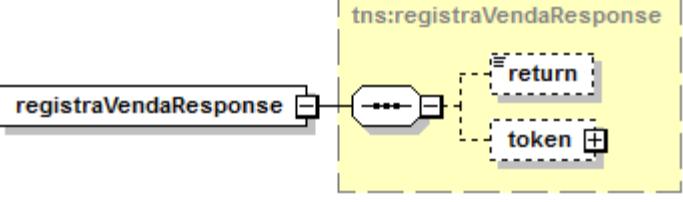
element registraEPResponse

| | |
|------------|---|
| diagram |  |
| namespace | http://webservices.brasil-id.org.br/tag/ |
| type | tns:registraEPResponse |
| properties | content complex |
| children | return |
| source | <xs:element name="registraEPResponse" type="tns:registraEPResponse"/> |

element registraVenda

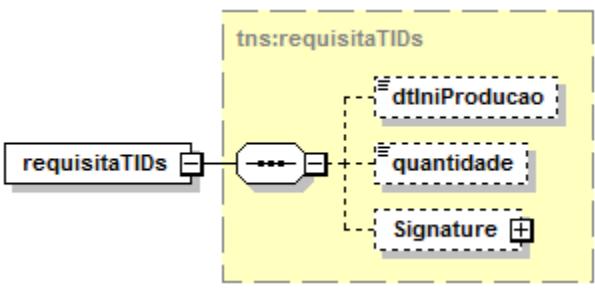
| | |
|------------|---|
| diagram |  |
| namespace | http://webservices.brasil-id.org.br/tag/ |
| type | tns:registraVenda |
| properties | content complex |
| children | idOperadora listaTIDs Signature |
| source | <xs:element name="registraVenda" type="tns:registraVenda"/> |

element registraVendaResponse

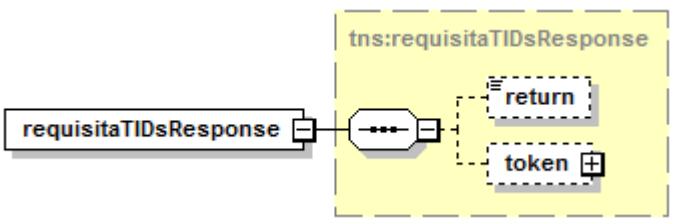
| | |
|-----------|---|
| diagram |  |
| namespace | http://webservices.brasil-id.org.br/tag/ |
| type | tns:registraVendaResponse |

| | |
|------------|---|
| properties | content complex |
| children | return token |
| source | <xs:element name="registraVendaResponse" type="tns:registraVendaResponse"/> |

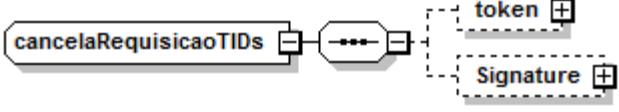
element requisitaTIDs

| | |
|------------|---|
| diagram |  |
| namespace | http://webservices.brasil-id.org.br/tag/ |
| type | tns:requisitaTIDs |
| properties | content complex |
| children | dtlIniProducao quantidade Signature |
| source | <xs:element name="requisitaTIDs" type="tns:requisitaTIDs"/> |

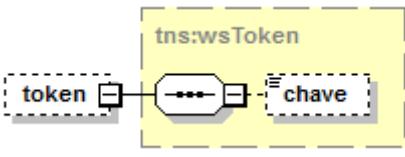
element requisitaTIDsResponse

| | |
|------------|---|
| diagram |  |
| namespace | http://webservices.brasil-id.org.br/tag/ |
| type | tns:requisitaTIDsResponse |
| properties | content complex |
| children | return token |
| source | <xs:element name="requisitaTIDsResponse" type="tns:requisitaTIDsResponse"/> |

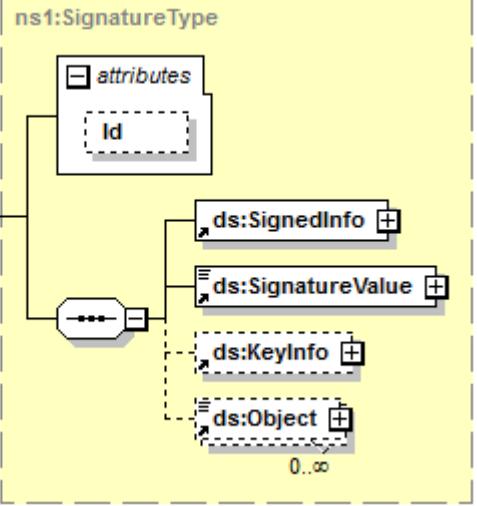
complexType cancelaRequisicaoTIDs

| | |
|-----------|---|
| diagram |  |
| namespace | http://webservices.brasil-id.org.br/tag/ |
| children | token Signature |
| used by | element cancelaRequisicaoTIDs |
| source | <pre><xs:complexType name="cancelaRequisicaoTIDs"> <xs:sequence> <xs:element name="token" type="tns:wsToken" minOccurs="0"/> <xs:element name="Signature" type="ns1:SignatureType" minOccurs="0"/> </xs:sequence> </xs:complexType></pre> |

element cancelaRequisicaoTIDs/token

| | | | | | | | |
|------------|---|--------|---|--------|---|---------|---------|
| diagram |  | | | | | | |
| type | tns:wsToken | | | | | | |
| properties | <table> <tr> <td>minOcc</td> <td>0</td> </tr> <tr> <td>maxOcc</td> <td>1</td> </tr> <tr> <td>content</td> <td>complex</td> </tr> </table> | minOcc | 0 | maxOcc | 1 | content | complex |
| minOcc | 0 | | | | | | |
| maxOcc | 1 | | | | | | |
| content | complex | | | | | | |
| children | chave | | | | | | |
| source | <pre><xs:element name="token" type="tns:wsToken" minOccurs="0"/></pre> | | | | | | |

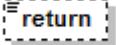
element cancelaRequisicaoTIDs/Signature

| diagram |  | | | | | | | | | | | | |
|--------------------|--|----------|---------|-------|------------|-------|------------|--------------------|-----------------------|----------|--|--|--|
| type | ds:SignatureType | | | | | | | | | | | | |
| properties | minOcc 0 maxOcc 1 content complex | | | | | | | | | | | | |
| children | ds:SignedInfo ds:SignatureValue ds:KeyInfo ds:Object | | | | | | | | | | | | |
| attributes | <table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>Id</td> <td>xs:ID</td> <td>optional</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | Name | Type | Use | Default | Fixed | Annotation | Id | xs:ID | optional | | | |
| Name | Type | Use | Default | Fixed | Annotation | | | | | | | | |
| Id | xs:ID | optional | | | | | | | | | | | |
| source | <code><xs:element name="Signature" type="ns1:SignatureType" minOccurs="0"/></code> | | | | | | | | | | | | |

complexType cancelaRequisicaoTIDsResponse

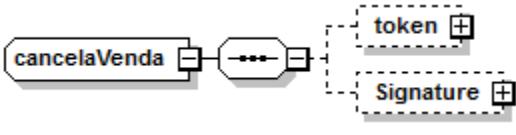
| | |
|-----------|---|
| diagram |  |
| namespace | http://webservices.brasil-id.org.br/tag/ |
| children | return |
| used by | element cancelaRequisicaoTIDsResponse |
| source | <code><xs:complexType name="cancelaRequisicaoTIDsResponse"> <xs:sequence> <xs:element name="return" type="tns:wsResult" minOccurs="0"/> </xs:sequence> </xs:complexType></code> |

element cancelaRequisicaoTIDsResponse/return

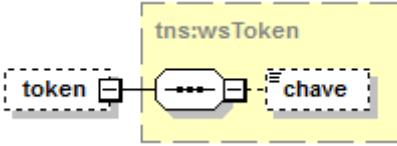
| diagram |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------|--|------------|-------|------------|-------------|--------|--|-------------|-----------------------------------|--|-------------|------------------|--|-------------|---------------------------|--|-------------|-------------------|--|-------------|--------------------------|--|-------------|----------------|--|-------------|---------------------|--|-------------|-------------------------|--|-------------|-----------------------------|--|-------------|-------------------------------|--|-------------|-------------------------------|--|-------------|---------------------------|--|-------------|--------------------------|--|-------------|-------------------------|--|-------------|-------------------------|--|-------------|-------------------------|--|-------------|----------------------------|--|-------------|-------------------------|--|-------------|--------------------------|--|-------------|--------------------|--|-------------|---------------------------------|--|--|
| type | tns:wsResult | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| properties | minOcc 0 maxOcc 1 content simple | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Kind | Value | Annotation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | SUCESO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | CHAMADA_ASSINCRONA_NAO_FINALIZADA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_DECONHECIDO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_PARAMETROS_INVALIDOS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_NAO_APROVADO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_ASSINATURA_INVALIDA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_PERMISSAO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_TOKEN_INVALIDO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_TID_NAO_ENCONTRADO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_FABRICA_NAO_ENCONTRADA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_OPERADORA_NAO_ENCONTRADA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_TID_NAO_PERTENCE_FABRICA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_OBUID_NAO_ENCONTRADO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_FALHA_GERACAO_OBUID | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_SLD_NAO_ENCONTRADO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_CSS_NAO_ENCONTRADO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_ECT_NAO_ENCONTRADO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_FALHA_COMUNICACAO_ECT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_FALHA_DE_DADOS_ECT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_FALHA_VALIDACAO_ECT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_TAG_UTILIZADA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_TAG_JA_POSSEI_EP_ASSOCIADO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | |
|--------|---|
| | enumeration ERRO_LOTE_NAO_PERTENCE_OPERADORA enumeration ERRO_TAG_NAO_PODE_SER_VENDIDA enumeration ERRO_NAO_FOI_POSSIVEL_DECODIFICAR_A_MENSAGEM |
| source | <xs:element name="return" type="tns:wsResult" minOccurs="0"/> |

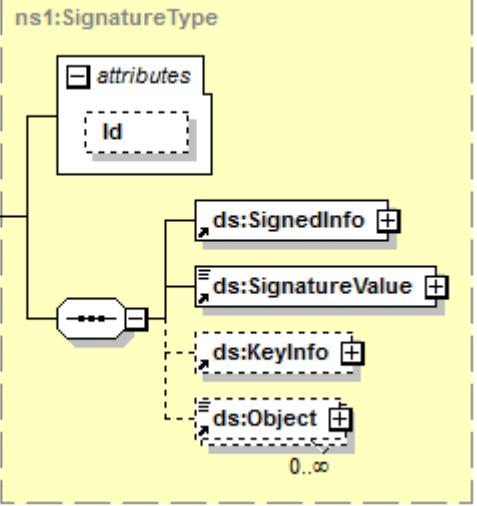
complexType cancelaVenda

| | |
|-----------|--|
| diagram |  |
| namespace | http://webservices.brasil-id.org.br/tag/ |
| children | token Signature |
| used by | element cancelaVenda |
| source | <xs:complexType name="cancelaVenda"> <xs:sequence> <xs:element name="token" type="tns:wsToken" minOccurs="0"/> <xs:element name="Signature" type="ns1:SignatureType" minOccurs="0"/> </xs:sequence> </xs:complexType> |

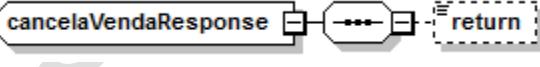
element cancelaVenda/token

| | |
|------------|---|
| diagram |  |
| type | tns:wsToken |
| properties | minOcc 0 maxOcc 1 content complex |
| children | chave |
| source | <xs:element name="token" type="tns:wsToken" minOccurs="0"/> |

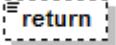
element cancelaVenda/Signature

| diagram |  | | | | | | | | | | | | |
|--------------------|--|----------|---------|-------|------------|-------|------------|--------------------|-----------------------|----------|--|--|--|
| type | ds:SignatureType | | | | | | | | | | | | |
| properties | minOcc 0 maxOcc 1 content complex | | | | | | | | | | | | |
| children | ds:SignedInfo ds:SignatureValue ds:KeyInfo ds:Object | | | | | | | | | | | | |
| attributes | <table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>Id</td> <td>xs:ID</td> <td>optional</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | Name | Type | Use | Default | Fixed | Annotation | Id | xs:ID | optional | | | |
| Name | Type | Use | Default | Fixed | Annotation | | | | | | | | |
| Id | xs:ID | optional | | | | | | | | | | | |
| source | <code><xs:element name="Signature" type="ns1:SignatureType" minOccurs="0"/></code> | | | | | | | | | | | | |

complexType cancelaVendaResponse

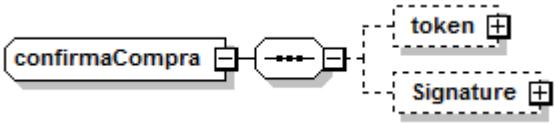
| | |
|-----------|--|
| diagram |  |
| namespace | http://webservices.brasil-id.org.br/tag/ |
| children | return |
| used by | element cancelaVendaResponse |
| source | <code><xs:complexType name="cancelaVendaResponse"> <xs:sequence> <xs:element name="return" type="tns:wsResult" minOccurs="0"/> </xs:sequence> </xs:complexType></code> |

element cancelaVendaResponse/return

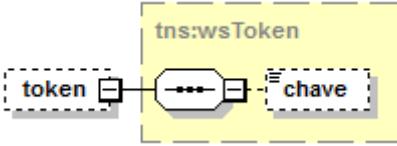
| diagram |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------|---|------------|-------|------------|-------------|---------|--|-------------|-----------------------------------|--|-------------|------------------|--|-------------|---------------------------|--|-------------|-------------------|--|-------------|--------------------------|--|-------------|----------------|--|-------------|---------------------|--|-------------|-------------------------|--|-------------|-----------------------------|--|-------------|-------------------------------|--|-------------|-------------------------------|--|-------------|---------------------------|--|-------------|--------------------------|--|-------------|-------------------------|--|-------------|-------------------------|--|-------------|-------------------------|--|-------------|----------------------------|--|-------------|-------------------------|--|-------------|--------------------------|--|-------------|--------------------|--|-------------|---------------------------------|--|--|
| type | tns:wsResult | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| properties | minOcc 0 maxOcc 1 content simple | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Kind | Value | Annotation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | SUCESSO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | CHAMADA_ASSINCRONA_NAO_FINALIZADA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_DECONHECIDO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_PARAMETROS_INVALIDOS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_NAO_APROVADO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_ASSINATURA_INVALIDA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_PERMISSAO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_TOKEN_INVALIDO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_TID_NAO_ENCONTRADO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_FABRICA_NAO_ENCONTRADA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_OPERADORA_NAO_ENCONTRADA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_TID_NAO_PERTENCE_FABRICA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_OBUID_NAO_ENCONTRADO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_FALHA_GERACAO_OBUID | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_SLD_NAO_ENCONTRADO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_CSS_NAO_ENCONTRADO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_ECT_NAO_ENCONTRADO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_FALHA_COMUNICACAO_ECT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_FALHA_DE_DADOS_ECT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_FALHA_VALIDACAO_ECT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_TAG_UTILIZADA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_TAG_JA_POSSEI_EP_ASSOCIADO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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|--------|---|
| | enumeration ERRO_LOTE_NAO_PERTENCE_OPERADORA enumeration ERRO_TAG_NAO_PODE_SER_VENDIDA enumeration ERRO_NAO_FOI_POSSIVEL_DECODIFICAR_A_MENSAGEM |
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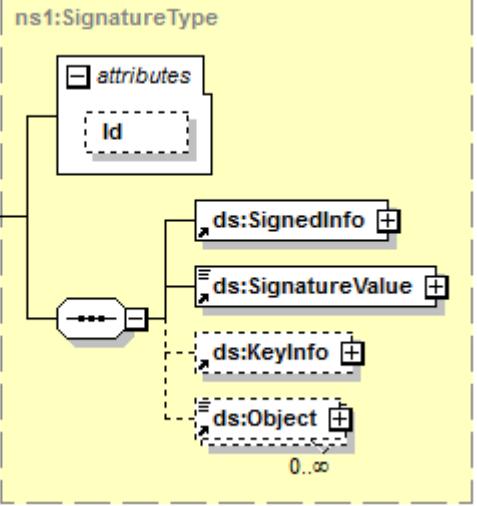
complexType confirmaCompra

| | |
|-----------|--|
| diagram |  |
| namespace | http://webservices.brasil-id.org.br/tag/ |
| children | token Signature |
| used by | element confirmaCompra |
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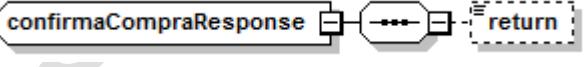
element confirmaCompra/token

| | |
|------------|---|
| diagram |  |
| type | tns:wsToken |
| properties | minOcc 0 maxOcc 1 content complex |
| children | chave |
| source | <xs:element name="token" type="tns:wsToken" minOccurs="0"/> |

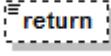
element confirmaCompra/Signature

| diagram |  | | | | | | | | | | | | |
|--------------------|--|----------|---------|-------|------------|-------|------------|--------------------|-----------------------|----------|--|--|--|
| type | ds:SignatureType | | | | | | | | | | | | |
| properties | minOcc 0 maxOcc 1 content complex | | | | | | | | | | | | |
| children | ds:SignedInfo ds:SignatureValue ds:KeyInfo ds:Object | | | | | | | | | | | | |
| attributes | <table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>Id</td> <td>xs:ID</td> <td>optional</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | Name | Type | Use | Default | Fixed | Annotation | Id | xs:ID | optional | | | |
| Name | Type | Use | Default | Fixed | Annotation | | | | | | | | |
| Id | xs:ID | optional | | | | | | | | | | | |
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complexType confirmaCompraResponse

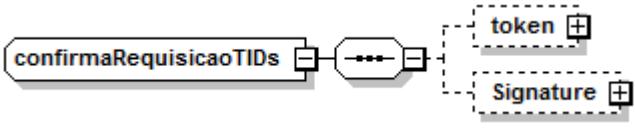
| | |
|-----------|--|
| diagram |  |
| namespace | http://webservices.brasil-id.org.br/tag/ |
| children | return |
| used by | element confirmaCompraResponse |
| source | <code><xs:complexType name="confirmaCompraResponse"> <xs:sequence> <xs:element name="return" type="tns:wsResult" minOccurs="0"/> </xs:sequence> </xs:complexType></code> |

element confirmaCompraResponse/return

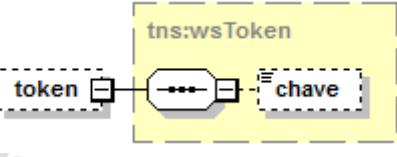
| diagram |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------|--|------------|-------|------------|-------------|--------|--|-------------|-----------------------------------|--|-------------|------------------|--|-------------|---------------------------|--|-------------|-------------------|--|-------------|--------------------------|--|-------------|----------------|--|-------------|---------------------|--|-------------|-------------------------|--|-------------|-----------------------------|--|-------------|-------------------------------|--|-------------|-------------------------------|--|-------------|---------------------------|--|-------------|--------------------------|--|-------------|-------------------------|--|-------------|-------------------------|--|-------------|-------------------------|--|-------------|----------------------------|--|-------------|-------------------------|--|-------------|--------------------------|--|-------------|--------------------|--|-------------|---------------------------------|--|--|
| type | tns:wsResult | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| properties | minOcc 0 maxOcc 1 content simple | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| facets | <table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>enumeration</td><td>SUCESO</td><td></td></tr> <tr> <td>enumeration</td><td>CHAMADA_ASSINCRONA_NAO_FINALIZADA</td><td></td></tr> <tr> <td>enumeration</td><td>ERRO_DECONHECIDO</td><td></td></tr> <tr> <td>enumeration</td><td>ERRO_PARAMETROS_INVALIDOS</td><td></td></tr> <tr> <td>enumeration</td><td>ERRO_NAO_APROVADO</td><td></td></tr> <tr> <td>enumeration</td><td>ERRO_ASSINATURA_INVALIDA</td><td></td></tr> <tr> <td>enumeration</td><td>ERRO_PERMISSAO</td><td></td></tr> <tr> <td>enumeration</td><td>ERRO_TOKEN_INVALIDO</td><td></td></tr> <tr> <td>enumeration</td><td>ERRO_TID_NAO_ENCONTRADO</td><td></td></tr> <tr> <td>enumeration</td><td>ERRO_FABRICA_NAO_ENCONTRADA</td><td></td></tr> <tr> <td>enumeration</td><td>ERRO_OPERADORA_NAO_ENCONTRADA</td><td></td></tr> <tr> <td>enumeration</td><td>ERRO_TID_NAO_PERTENCE_FABRICA</td><td></td></tr> <tr> <td>enumeration</td><td>ERRO_OBUID_NAO_ENCONTRADO</td><td></td></tr> <tr> <td>enumeration</td><td>ERRO_FALHA_GERACAO_OBUID</td><td></td></tr> <tr> <td>enumeration</td><td>ERRO_SLD_NAO_ENCONTRADO</td><td></td></tr> <tr> <td>enumeration</td><td>ERRO_CSS_NAO_ENCONTRADO</td><td></td></tr> <tr> <td>enumeration</td><td>ERRO_ECT_NAO_ENCONTRADO</td><td></td></tr> <tr> <td>enumeration</td><td>ERRO_FALHA_COMUNICACAO_ECT</td><td></td></tr> <tr> <td>enumeration</td><td>ERRO_FALHA_DE_DADOS_ECT</td><td></td></tr> <tr> <td>enumeration</td><td>ERRO_FALHA_VALIDACAO_ECT</td><td></td></tr> <tr> <td>enumeration</td><td>ERRO_TAG_UTILIZADA</td><td></td></tr> <tr> <td>enumeration</td><td>ERRO_TAG_JA_POSSEI_EP_ASSOCIADO</td><td></td></tr> </tbody> </table> | Kind | Value | Annotation | enumeration | SUCESO | | enumeration | CHAMADA_ASSINCRONA_NAO_FINALIZADA | | enumeration | ERRO_DECONHECIDO | | enumeration | ERRO_PARAMETROS_INVALIDOS | | enumeration | ERRO_NAO_APROVADO | | enumeration | ERRO_ASSINATURA_INVALIDA | | enumeration | ERRO_PERMISSAO | | enumeration | ERRO_TOKEN_INVALIDO | | enumeration | ERRO_TID_NAO_ENCONTRADO | | enumeration | ERRO_FABRICA_NAO_ENCONTRADA | | enumeration | ERRO_OPERADORA_NAO_ENCONTRADA | | enumeration | ERRO_TID_NAO_PERTENCE_FABRICA | | enumeration | ERRO_OBUID_NAO_ENCONTRADO | | enumeration | ERRO_FALHA_GERACAO_OBUID | | enumeration | ERRO_SLD_NAO_ENCONTRADO | | enumeration | ERRO_CSS_NAO_ENCONTRADO | | enumeration | ERRO_ECT_NAO_ENCONTRADO | | enumeration | ERRO_FALHA_COMUNICACAO_ECT | | enumeration | ERRO_FALHA_DE_DADOS_ECT | | enumeration | ERRO_FALHA_VALIDACAO_ECT | | enumeration | ERRO_TAG_UTILIZADA | | enumeration | ERRO_TAG_JA_POSSEI_EP_ASSOCIADO | | |
| Kind | Value | Annotation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | SUCESO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | CHAMADA_ASSINCRONA_NAO_FINALIZADA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_DECONHECIDO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_PARAMETROS_INVALIDOS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_NAO_APROVADO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_ASSINATURA_INVALIDA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_PERMISSAO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_TOKEN_INVALIDO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_TID_NAO_ENCONTRADO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_FABRICA_NAO_ENCONTRADA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_OPERADORA_NAO_ENCONTRADA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_TID_NAO_PERTENCE_FABRICA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_OBUID_NAO_ENCONTRADO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_FALHA_GERACAO_OBUID | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_SLD_NAO_ENCONTRADO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_CSS_NAO_ENCONTRADO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_ECT_NAO_ENCONTRADO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_FALHA_COMUNICACAO_ECT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_FALHA_DE_DADOS_ECT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_FALHA_VALIDACAO_ECT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_TAG_UTILIZADA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_TAG_JA_POSSEI_EP_ASSOCIADO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| | enumeration ERRO_LOTE_NAO_PERTENCE_OPERADORA |
| | enumeration ERRO_TAG_NAO_PODE_SER_VENDIDA |
| | enumeration ERRO_NAO_FOI_POSSIVEL_DECODIFICAR_A_MENSAGEM |
| source | <code><xs:element name="return" type="tns:wsResult" minOccurs="0"/></code> |

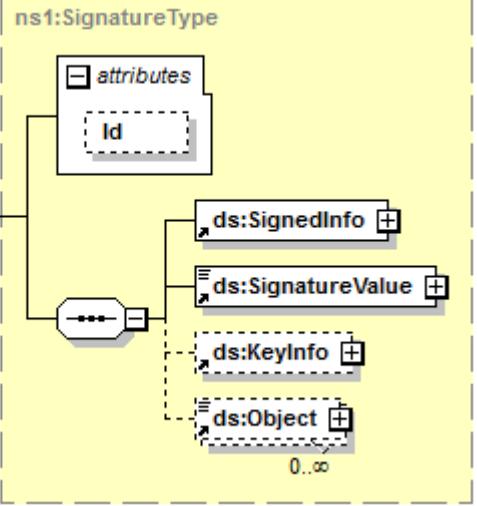
complexType confirmaRequisicaoTIDs

| | |
|-----------|--|
| diagram |  |
| namespace | http://webservices.brasil-id.org.br/tag/ |
| children | token Signature |
| used by | element confirmaRequisicaoTIDs |
| source | <pre><xs:complexType name="confirmaRequisicaoTIDs"> <xs:sequence> <xs:element name="token" type="tns:wsToken" minOccurs="0"/> <xs:element name="Signature" type="ns1:SignatureType" minOccurs="0"/> </xs:sequence> </xs:complexType></pre> |

element confirmaRequisicaoTIDs/token

| | |
|------------|---|
| diagram |  |
| type | tns:wsToken |
| properties | minOcc 0 maxOcc 1 content complex |
| children | chave |
| source | <code><xs:element name="token" type="tns:wsToken" minOccurs="0"/></code> |

element confirmaRequisicaoTIDs/Signature

| diagram |  | | | | | | | | | | | | |
|--------------------|--|----------|---------|-------|------------|-------|------------|--------------------|-----------------------|----------|--|--|--|
| type | ds:SignatureType | | | | | | | | | | | | |
| properties | minOcc 0 maxOcc 1 content complex | | | | | | | | | | | | |
| children | ds:SignedInfo ds:SignatureValue ds:KeyInfo ds:Object | | | | | | | | | | | | |
| attributes | <table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>Id</td> <td>xs:ID</td> <td>optional</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | Name | Type | Use | Default | Fixed | Annotation | Id | xs:ID | optional | | | |
| Name | Type | Use | Default | Fixed | Annotation | | | | | | | | |
| Id | xs:ID | optional | | | | | | | | | | | |
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complexType confirmaRequisicaoTIDsResponse

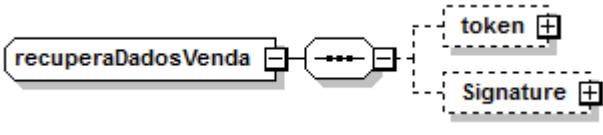
| | |
|-----------|--|
| diagram |  |
| namespace | http://webservices.brasil-id.org.br/tag/ |
| children | return |
| used by | element confirmaRequisicaoTIDsResponse |
| source | <code><xs:complexType name="confirmaRequisicaoTIDsResponse"> <xs:sequence> <xs:element name="return" type="tns:wsResult" minOccurs="0"/> </xs:sequence> </xs:complexType></code> |

element confirmaRequisicaoTIDsResponse/return

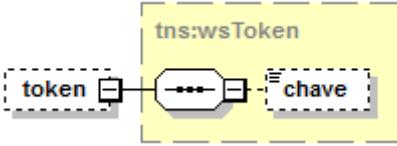
| diagram |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------|--|------------|-------|------------|-------------|--------|--|-------------|-----------------------------------|--|-------------|------------------|--|-------------|---------------------------|--|-------------|-------------------|--|-------------|--------------------------|--|-------------|----------------|--|-------------|---------------------|--|-------------|-------------------------|--|-------------|-----------------------------|--|-------------|-------------------------------|--|-------------|-------------------------------|--|-------------|---------------------------|--|-------------|--------------------------|--|-------------|-------------------------|--|-------------|-------------------------|--|-------------|-------------------------|--|-------------|----------------------------|--|-------------|-------------------------|--|-------------|--------------------------|--|-------------|--------------------|--|-------------|---------------------------------|--|--|
| type | tns:wsResult | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Kind | Value | Annotation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | SUCESO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | CHAMADA_ASSINCRONA_NAO_FINALIZADA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_DECONHECIDO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_PARAMETROS_INVALIDOS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_NAO_APROVADO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_ASSINATURA_INVALIDA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_PERMISSAO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_TOKEN_INVALIDO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_TID_NAO_ENCONTRADO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_FABRICA_NAO_ENCONTRADA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_OPERADORA_NAO_ENCONTRADA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_TID_NAO_PERTENCE_FABRICA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_OBUID_NAO_ENCONTRADO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_FALHA_GERACAO_OBUID | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_SLD_NAO_ENCONTRADO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_CSS_NAO_ENCONTRADO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_ECT_NAO_ENCONTRADO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_FALHA_COMUNICACAO_ECT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_FALHA_DE_DADOS_ECT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_FALHA_VALIDACAO_ECT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_TAG_UTILIZADA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_TAG_JA_POSSEI_EP_ASSOCIADO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| | enumeration ERRO_LOTE_NAO_PERTENCE_OPERADORA |
| | enumeration ERRO_TAG_NAO_PODE_SER_VENDIDA |
| | enumeration ERRO_NAO_FOI_POSSIVEL_DECODIFICAR_A_MENSAGEM |
| source | <xs:element name="return" type="tns:wsResult" minOccurs="0"/> |

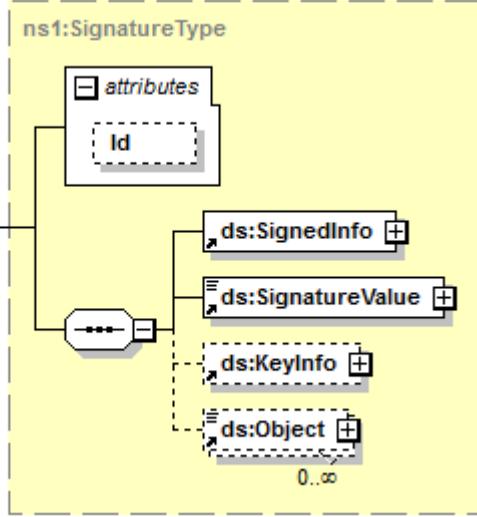
complexType recuperadaDadosVenda

| | |
|-----------|--|
| diagram |  |
| namespace | http://webservices.brasil-id.org.br/tag/ |
| children | token Signature |
| used by | element recuperaDadosVenda |
| source | <xs:complexType name="recuperaDadosVenda"> <xs:sequence> <xs:element name="token" type="tns:wsToken" minOccurs="0"/> <xs:element name="Signature" type="ns1:SignatureType" minOccurs="0"/> </xs:sequence> </xs:complexType> |

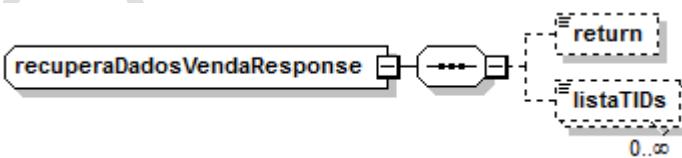
element recuperadaDadosVenda/token

| | |
|------------|---|
| diagram |  |
| type | tns:wsToken |
| properties | minOcc 0 maxOcc 1 content complex |
| children | chave |
| source | <xs:element name="token" type="tns:wsToken" minOccurs="0"/> |

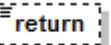
element recuperaDadosVenda/Signature

| diagram |  | | | | | | | | | | | | |
|--------------------|--|----------|---------|-------|------------|-------|------------|--------------------|-----------------------|----------|--|--|--|
| type | ds:SignatureType | | | | | | | | | | | | |
| properties | minOcc 0 maxOcc 1 content complex | | | | | | | | | | | | |
| children | ds:SignedInfo ds:SignatureValue ds:KeyInfo ds:Object | | | | | | | | | | | | |
| attributes | <table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>Id</td> <td>xs:ID</td> <td>optional</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | Name | Type | Use | Default | Fixed | Annotation | Id | xs:ID | optional | | | |
| Name | Type | Use | Default | Fixed | Annotation | | | | | | | | |
| Id | xs:ID | optional | | | | | | | | | | | |
| source | <code><xs:element name="Signature" type="ns1:SignatureType" minOccurs="0"/></code> | | | | | | | | | | | | |

complexType recuperaDadosVendaResponse

| | |
|-----------|--|
| diagram |  |
| namespace | http://webservices.brasil-id.org.br/tag/ |
| children | return listaTIDs |
| used by | element recuperaDadosVendaResponse |
| source | <pre> <xs:complexType name="recuperaDadosVendaResponse"> <xs:sequence> <xs:element name="return" type="tns:wsResult" minOccurs="0"/> <xs:element name="listaTIDs" type="xs:string" nillable="true" minOccurs="0" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType> </pre> |

element recuperarDadosVendaResponse/return

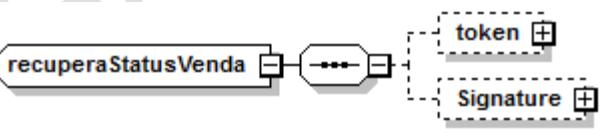
| diagram |  return | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------|---|------------|-------|------------|-------------|---------|--|-------------|-----------------------------------|--|-------------|-------------------|--|-------------|---------------------------|--|-------------|-------------------|--|-------------|--------------------------|--|-------------|----------------|--|-------------|---------------------|--|-------------|-------------------------|--|-------------|-----------------------------|--|-------------|-------------------------------|--|-------------|-------------------------------|--|-------------|---------------------------|--|-------------|--------------------------|--|-------------|-------------------------|--|-------------|-------------------------|--|-------------|-------------------------|--|-------------|----------------------------|--|-------------|-------------------------|--|-------------|--------------------------|--|
| type | tns:wsResult | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| properties | minOcc 0 maxOcc 1 content simple | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Kind | Value | Annotation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | SUCESSO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | CHAMADA_ASSINCRONA_NAO_FINALIZADA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_DESCONHECIDO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_PARAMETROS_INVALIDOS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_NAO_APROVADO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_ASSINATURA_INVALIDA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_PERMISSAO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_TOKEN_INVALIDO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_TID_NAO_ENCONTRADO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_FABRICA_NAO_ENCONTRADA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_OPERADORA_NAO_ENCONTRADA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_TID_NAO_PERTENCE_FABRICA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_OBUID_NAO_ENCONTRADO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_FALHA_GERACAO_OBUID | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_SLD_NAO_ENCONTRADO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_CSS_NAO_ENCONTRADO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_ECT_NAO_ENCONTRADO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_FALHA_COMUNICACAO_ECT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_FALHA_DE_DADOS_ECT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_FALHA_VALIDACAO_ECT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| | enumeration ERRO_TAG_UTILIZADA enumeration ERRO_TAG_JA_POSSEI_EP_ASSOCIADO enumeration ERRO_LOTE_NAO_PERTENCE_OPERADORA enumeration ERRO_TAG_NAO_PODE_SER_VENDIDA enumeration ERRO_NAO_FOI_POSSIVEL_DECODIFICAR_A_MENSAGEM |
| source | <xs:element name="return" type="tns:wsResult" minOccurs="0"/> |

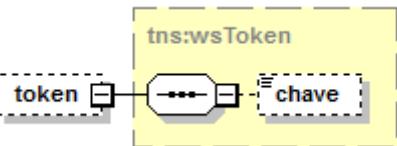
element recuperarDadosVendaResponse/listaTIDs

| | |
|------------|---|
| diagram |  |
| type | xs:string |
| properties | minOcc 0 maxOcc unbounded content simple nillable true |
| source | <xs:element name="listaTIDs" type="xs:string" nillable="true" minOccurs="0" maxOccurs="unbounded"/> |

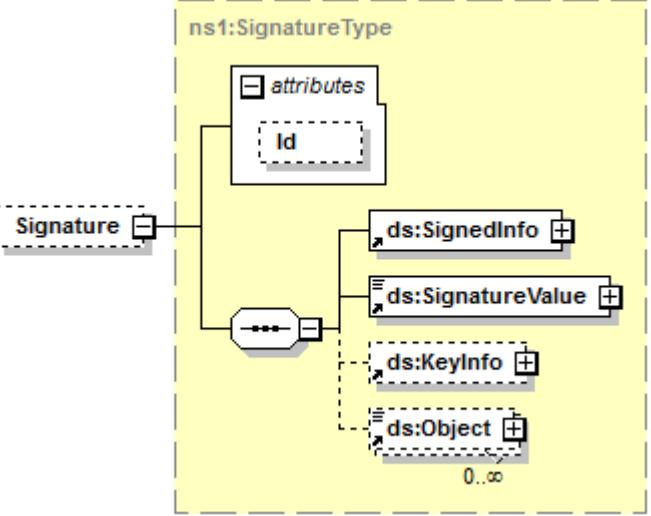
complexType recuperarStatusVenda

| | |
|-----------|--|
| diagram |  |
| namespace | http://webservices.brasil-id.org.br/tag/ |
| children | token Signature |
| used by | element recuperarStatusVenda |
| source | <xs:complexType name="recuperarStatusVenda"> <xs:sequence> <xs:element name="token" type="tns:wsToken" minOccurs="0"/> <xs:element name="Signature" type="ns1:SignatureType" minOccurs="0"/> </xs:sequence> </xs:complexType> |

element recuperaStatusVenda/token

| | |
|------------|---|
| diagram |  |
| type | tns:wsToken |
| properties | minOcc 0 maxOcc 1 content complex |
| children | chave |
| source | <code><xs:element name="token" type="tns:wsToken" minOccurs="0"/></code> |

element recuperaStatusVenda/Signature

| diagram |  | | | | | | | | | | | | |
|--------------------|--|----------|---------|-------|------------|-------|------------|--------------------|-----------------------|----------|--|--|--|
| type | ds:SignatureType | | | | | | | | | | | | |
| properties | minOcc 0 maxOcc 1 content complex | | | | | | | | | | | | |
| children | ds:SignedInfo ds:SignatureValue ds:KeyInfo ds:Object | | | | | | | | | | | | |
| attributes | <table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>Id</td> <td>xs:ID</td> <td>optional</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | Name | Type | Use | Default | Fixed | Annotation | Id | xs:ID | optional | | | |
| Name | Type | Use | Default | Fixed | Annotation | | | | | | | | |
| Id | xs:ID | optional | | | | | | | | | | | |
| source | <code><xs:element name="Signature" type="ns1:SignatureType" minOccurs="0"/></code> | | | | | | | | | | | | |

complexType recuperarStatusVendaResponse

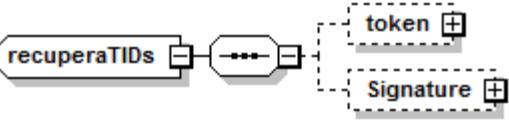
| | |
|-----------|--|
| diagram |  |
| namespace | http://webservices.brasil-id.org.br/tag/ |
| children | return |
| used by | element recuperarStatusVendaResponse |
| source | <pre><xs:complexType name="recuperarStatusVendaResponse"> <xs:sequence> <xs:element name="return" type="tns:wsResult" minOccurs="0"/> </xs:sequence> </xs:complexType></pre> |

element recuperarStatusVendaResponse/return

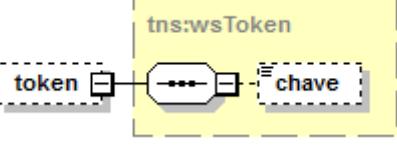
| diagram |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------|---|------------|-------|------------|-------------|---------|--------|-------------|-----------------------------------|--|-------------|-------------------|--|-------------|---------------------------|--|-------------|-------------------|--|-------------|--------------------------|--|-------------|----------------|--|-------------|---------------------|--|-------------|-------------------------|--|-------------|-----------------------------|--|
| type | tns:wsResult | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| properties | <table> <tr> <td>minOcc</td> <td>0</td> </tr> <tr> <td>maxOcc</td> <td>1</td> </tr> <tr> <td>content</td> <td>simple</td> </tr> </table> | minOcc | 0 | maxOcc | 1 | content | simple | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| minOcc | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| maxOcc | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| content | simple | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| facets | <table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>enumeration</td> <td>SUCESO</td> <td></td> </tr> <tr> <td>enumeration</td> <td>CHAMADA_ASSINCRONA_NAO_FINALIZADA</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ERRO_DESCONHECIDO</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ERRO_PARAMETROS_INVALIDOS</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ERRO_NAO_APROVADO</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ERRO_ASSINATURA_INVALIDA</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ERRO_PERMISSAO</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ERRO_TOKEN_INVALIDO</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ERRO_TID_NAO_ENCONTRADO</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ERRO_FABRICA_NAO_ENCONTRADA</td> <td></td> </tr> </tbody> </table> | Kind | Value | Annotation | enumeration | SUCESO | | enumeration | CHAMADA_ASSINCRONA_NAO_FINALIZADA | | enumeration | ERRO_DESCONHECIDO | | enumeration | ERRO_PARAMETROS_INVALIDOS | | enumeration | ERRO_NAO_APROVADO | | enumeration | ERRO_ASSINATURA_INVALIDA | | enumeration | ERRO_PERMISSAO | | enumeration | ERRO_TOKEN_INVALIDO | | enumeration | ERRO_TID_NAO_ENCONTRADO | | enumeration | ERRO_FABRICA_NAO_ENCONTRADA | |
| Kind | Value | Annotation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | SUCESO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | CHAMADA_ASSINCRONA_NAO_FINALIZADA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_DESCONHECIDO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_PARAMETROS_INVALIDOS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_NAO_APROVADO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_ASSINATURA_INVALIDA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_PERMISSAO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_TOKEN_INVALIDO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_TID_NAO_ENCONTRADO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_FABRICA_NAO_ENCONTRADA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | |
|--------|---|
| | enumeration ERRO_OPERADORA_NAO_ENCONTRADA enumeration ERRO_TID_NAO_PERTENCE_FABRICA enumeration ERRO_OBUID_NAO_ENCONTRADO enumeration ERRO_FALHA_GERACAO_OBUID enumeration ERRO_SLD_NAO_ENCONTRADO enumeration ERRO_CSS_NAO_ENCONTRADO enumeration ERRO_ECT_NAO_ENCONTRADO enumeration ERRO_FALHA_COMUNICACAO_ECT enumeration ERRO_FALHA_DE_DADOS_ECT enumeration ERRO_FALHA_VALIDACAO_ECT enumeration ERRO_TAG_UTILIZADA enumeration ERRO_TAG_JA_POSSEI_EP_ASSOCIADO enumeration ERRO_LOTE_NAO_PERTENCE_OPERADORA enumeration ERRO_TAG_NAO_PODE_SER_VENDIDA enumeration ERRO_NAO_FOI_POSSIVEL_DECODIFICAR_A_MENSAGEM |
| source | <xs:element name="return" type="tns:wsResult" minOccurs="0"/> |

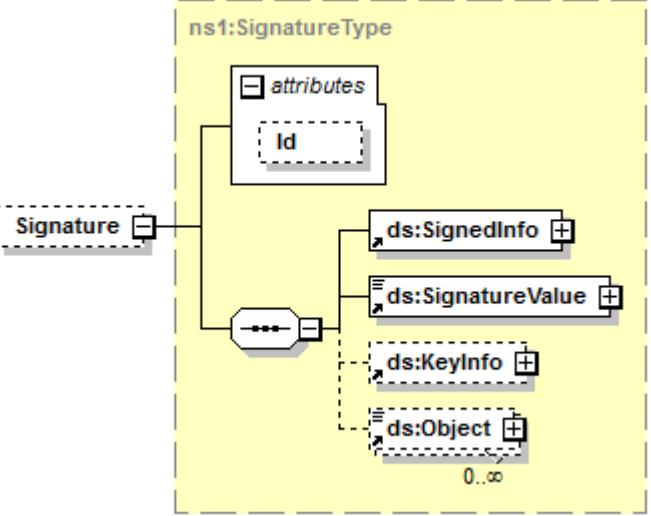
complexType recuperarTIDs

| | |
|-----------|---|
| diagram |  |
| namespace | http://webservices.brasil-id.org.br/tag/ |
| children | token Signature |
| used by | element recuperarTIDs |
| source | <pre><xs:complexType name="recuperarTIDs"> <xs:sequence> <xs:element name="token" type="tns:wsToken" minOccurs="0"/> <xs:element name="Signature" type="ns1:SignatureType" minOccurs="0"/> </xs:sequence> </xs:complexType></pre> |

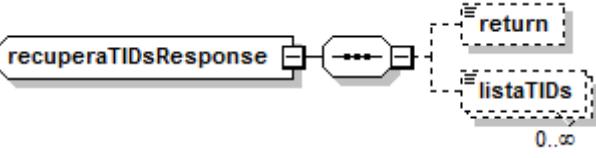
element recuperaTIDs/token

| | |
|------------|---|
| diagram |  |
| type | tns:wsToken |
| properties | minOcc 0 maxOcc 1 content complex |
| children | chave |
| source | <code><xs:element name="token" type="tns:wsToken" minOccurs="0"/></code> |

element recuperaTIDs/Signature

| diagram |  | | | | | | | | | | | | |
|--------------------|--|----------|---------|-------|------------|-------|------------|--------------------|-----------------------|----------|--|--|--|
| type | ds:SignatureType | | | | | | | | | | | | |
| properties | minOcc 0 maxOcc 1 content complex | | | | | | | | | | | | |
| children | ds:SignedInfo ds:SignatureValue ds:KeyInfo ds:Object | | | | | | | | | | | | |
| attributes | <table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>Id</td> <td>xs:ID</td> <td>optional</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | Name | Type | Use | Default | Fixed | Annotation | Id | xs:ID | optional | | | |
| Name | Type | Use | Default | Fixed | Annotation | | | | | | | | |
| Id | xs:ID | optional | | | | | | | | | | | |
| source | <code><xs:element name="Signature" type="ns1:SignatureType" minOccurs="0"/></code> | | | | | | | | | | | | |

complexType recuperarTIDsResponse

| | |
|-----------|---|
| diagram |  |
| namespace | http://webservices.brasil-id.org.br/tag/ |
| children | return listaTIDs |
| used by | element recuperarTIDsResponse |
| source | <pre><xs:complexType name="recuperarTIDsResponse"> <xs:sequence> <xs:element name="return" type="tns:wsResult" minOccurs="0"/> <xs:element name="listaTIDs" type="xs:string" nillable="true" minOccurs="0" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType></pre> |

element recuperarTIDsResponse/return

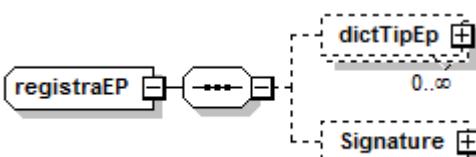
| diagram |  | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------|---|------------|-------|------------|-------------|---------|--------|-------------|-----------------------------------|--|-------------|------------------|--|-------------|---------------------------|--|-------------|-------------------|--|-------------|--------------------------|--|-------------|----------------|--|-------------|---------------------|--|
| type | tns:wsResult | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| properties | <table> <tr> <td>minOcc</td> <td>0</td> </tr> <tr> <td>maxOcc</td> <td>1</td> </tr> <tr> <td>content</td> <td>simple</td> </tr> </table> | minOcc | 0 | maxOcc | 1 | content | simple | | | | | | | | | | | | | | | | | | | | | |
| minOcc | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| maxOcc | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| content | simple | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| facets | <table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>enumeration</td> <td>SUCESSO</td> <td></td> </tr> <tr> <td>enumeration</td> <td>CHAMADA_ASSINCRONA_NAO_FINALIZADA</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ERRO_DECONHECIDO</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ERRO_PARAMETROS_INVALIDOS</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ERRO_NAO_APROVADO</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ERRO_ASSINATURA_INVALIDA</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ERRO_PERMISSAO</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ERRO_TOKEN_INVALIDO</td> <td></td> </tr> </tbody> </table> | Kind | Value | Annotation | enumeration | SUCESSO | | enumeration | CHAMADA_ASSINCRONA_NAO_FINALIZADA | | enumeration | ERRO_DECONHECIDO | | enumeration | ERRO_PARAMETROS_INVALIDOS | | enumeration | ERRO_NAO_APROVADO | | enumeration | ERRO_ASSINATURA_INVALIDA | | enumeration | ERRO_PERMISSAO | | enumeration | ERRO_TOKEN_INVALIDO | |
| Kind | Value | Annotation | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | SUCESSO | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | CHAMADA_ASSINCRONA_NAO_FINALIZADA | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_DECONHECIDO | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_PARAMETROS_INVALIDOS | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_NAO_APROVADO | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_ASSINATURA_INVALIDA | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_PERMISSAO | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_TOKEN_INVALIDO | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | |
|--------|---|
| | enumeration ERRO_TID_NAO_ENCONTRADO enumeration ERRO_FABRICA_NAO_ENCONTRADA enumeration ERRO_OPERADORA_NAO_ENCONTRADA enumeration ERRO_TID_NAO_PERTENCE_FABRICA enumeration ERRO_OBUID_NAO_ENCONTRADO enumeration ERRO_FALHA_GERACAO_OBUID enumeration ERRO_SLD_NAO_ENCONTRADO enumeration ERRO_CSS_NAO_ENCONTRADO enumeration ERRO_ECT_NAO_ENCONTRADO enumeration ERRO_FALHA_COMUNICACAO_ECT enumeration ERRO_FALHA_DE_DADOS_ECT enumeration ERRO_FALHA_VALIDACAO_ECT enumeration ERRO_TAG_UTILIZADA enumeration ERRO_TAG_JA_POSSEI_EP_ASSOCIADO enumeration ERRO_LOTE_NAO_PERTENCE_OPERADORA enumeration ERRO_TAG_NAO_PODE_SER_VENDIDA enumeration ERRO_NAO_FOI_POSSIVEL_DECODIFICAR_A_MENSAGEM |
| source | <xs:element name="return" type="tns:wsResult" minOccurs="0"/> |

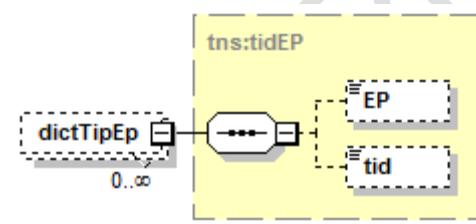
element recuperarTIDsResponse/listaTIDs

| | |
|------------|---|
| diagram |  |
| type | xs:string |
| properties | minOcc 0 maxOcc unbounded content simple nillable true |
| source | <xs:element name="listaTIDs" type="xs:string" nillable="true" minOccurs="0" maxOccurs="unbounded"/> |

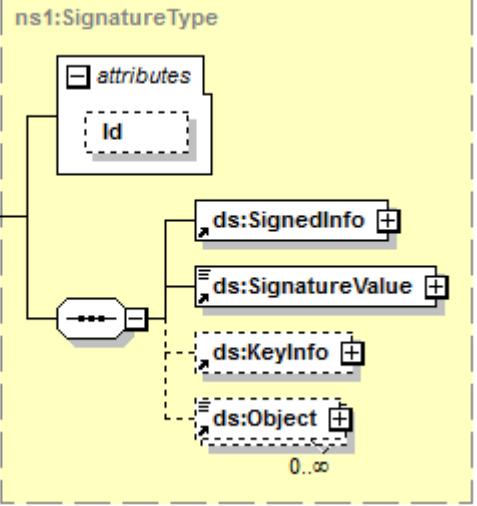
complexType registraEP

| | |
|-----------|--|
| diagram |  |
| namespace | http://webservices.brasil-id.org.br/tag/ |
| children | dictTipEp Signature |
| used by | element registraEP |
| source | <pre><xs:complexType name="registraEP"> <xs:sequence> <xs:element name="dictTipEp" type="tns:tidEP" minOccurs="0" maxOccurs="unbounded"/> <xs:element name="Signature" type="ns1:SignatureType" minOccurs="0"/> </xs:sequence> </xs:complexType></pre> |

element registraEP/dictTipEp

| | |
|------------|--|
| diagram |  |
| type | tns:tidEP |
| properties | minOcc 0 maxOcc unbounded content complex |
| children | EP tid |
| source | <pre><xs:element name="dictTipEp" type="tns:tidEP" minOccurs="0" maxOccurs="unbounded"/></pre> |

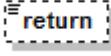
element registraEP/Signature

| diagram |  | | | | | | | | | | | | |
|--------------------|--|----------|---------|-------|------------|-------|------------|--------------------|-----------------------|----------|--|--|--|
| type | ds:SignatureType | | | | | | | | | | | | |
| properties | <p>minOcc 0</p> <p>maxOcc 1</p> <p>content complex</p> | | | | | | | | | | | | |
| children | ds:SignedInfo ds:SignatureValue ds:KeyInfo ds:Object | | | | | | | | | | | | |
| attributes | <table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>Id</td> <td>xs:ID</td> <td>optional</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | Name | Type | Use | Default | Fixed | Annotation | Id | xs:ID | optional | | | |
| Name | Type | Use | Default | Fixed | Annotation | | | | | | | | |
| Id | xs:ID | optional | | | | | | | | | | | |
| source | <code><xs:element name="Signature" type="ns1:SignatureType" minOccurs="0"/></code> | | | | | | | | | | | | |

complexType registraEPResponse

| | |
|-----------|--|
| diagram |  |
| namespace | http://webservices.brasil-id.org.br/tag/ |
| children | return |
| used by | element registraEPResponse |
| source | <code><xs:complexType name="registraEPResponse"> <xs:sequence> <xs:element name="return" type="tns:wsResult" minOccurs="0"/> </xs:sequence> </xs:complexType></code> |

element registraEPResponse/return

| diagram |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------|--|------------|-------|------------|-------------|--------|--|-------------|-----------------------------------|--|-------------|------------------|--|-------------|---------------------------|--|-------------|-------------------|--|-------------|--------------------------|--|-------------|----------------|--|-------------|---------------------|--|-------------|-------------------------|--|-------------|-----------------------------|--|-------------|-------------------------------|--|-------------|-------------------------------|--|-------------|---------------------------|--|-------------|--------------------------|--|-------------|-------------------------|--|-------------|-------------------------|--|-------------|-------------------------|--|-------------|----------------------------|--|-------------|-------------------------|--|-------------|--------------------------|--|-------------|--------------------|--|-------------|---------------------------------|--|--|
| type | tns:wsResult | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| properties | minOcc 0 maxOcc 1 content simple | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| facets | <table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>enumeration</td><td>SUCESO</td><td></td></tr> <tr> <td>enumeration</td><td>CHAMADA_ASSINCRONA_NAO_FINALIZADA</td><td></td></tr> <tr> <td>enumeration</td><td>ERRO_DECONHECIDO</td><td></td></tr> <tr> <td>enumeration</td><td>ERRO_PARAMETROS_INVALIDOS</td><td></td></tr> <tr> <td>enumeration</td><td>ERRO_NAO_APROVADO</td><td></td></tr> <tr> <td>enumeration</td><td>ERRO_ASSINATURA_INVALIDA</td><td></td></tr> <tr> <td>enumeration</td><td>ERRO_PERMISSAO</td><td></td></tr> <tr> <td>enumeration</td><td>ERRO_TOKEN_INVALIDO</td><td></td></tr> <tr> <td>enumeration</td><td>ERRO_TID_NAO_ENCONTRADO</td><td></td></tr> <tr> <td>enumeration</td><td>ERRO_FABRICA_NAO_ENCONTRADA</td><td></td></tr> <tr> <td>enumeration</td><td>ERRO_OPERADORA_NAO_ENCONTRADA</td><td></td></tr> <tr> <td>enumeration</td><td>ERRO_TID_NAO_PERTENCE_FABRICA</td><td></td></tr> <tr> <td>enumeration</td><td>ERRO_OBUID_NAO_ENCONTRADO</td><td></td></tr> <tr> <td>enumeration</td><td>ERRO_FALHA_GERACAO_OBUID</td><td></td></tr> <tr> <td>enumeration</td><td>ERRO_SLD_NAO_ENCONTRADO</td><td></td></tr> <tr> <td>enumeration</td><td>ERRO_CSS_NAO_ENCONTRADO</td><td></td></tr> <tr> <td>enumeration</td><td>ERRO_ECT_NAO_ENCONTRADO</td><td></td></tr> <tr> <td>enumeration</td><td>ERRO_FALHA_COMUNICACAO_ECT</td><td></td></tr> <tr> <td>enumeration</td><td>ERRO_FALHA_DE_DADOS_ECT</td><td></td></tr> <tr> <td>enumeration</td><td>ERRO_FALHA_VALIDACAO_ECT</td><td></td></tr> <tr> <td>enumeration</td><td>ERRO_TAG_UTILIZADA</td><td></td></tr> <tr> <td>enumeration</td><td>ERRO_TAG_JA_POSSEI_EP_ASSOCIADO</td><td></td></tr> </tbody> </table> | Kind | Value | Annotation | enumeration | SUCESO | | enumeration | CHAMADA_ASSINCRONA_NAO_FINALIZADA | | enumeration | ERRO_DECONHECIDO | | enumeration | ERRO_PARAMETROS_INVALIDOS | | enumeration | ERRO_NAO_APROVADO | | enumeration | ERRO_ASSINATURA_INVALIDA | | enumeration | ERRO_PERMISSAO | | enumeration | ERRO_TOKEN_INVALIDO | | enumeration | ERRO_TID_NAO_ENCONTRADO | | enumeration | ERRO_FABRICA_NAO_ENCONTRADA | | enumeration | ERRO_OPERADORA_NAO_ENCONTRADA | | enumeration | ERRO_TID_NAO_PERTENCE_FABRICA | | enumeration | ERRO_OBUID_NAO_ENCONTRADO | | enumeration | ERRO_FALHA_GERACAO_OBUID | | enumeration | ERRO_SLD_NAO_ENCONTRADO | | enumeration | ERRO_CSS_NAO_ENCONTRADO | | enumeration | ERRO_ECT_NAO_ENCONTRADO | | enumeration | ERRO_FALHA_COMUNICACAO_ECT | | enumeration | ERRO_FALHA_DE_DADOS_ECT | | enumeration | ERRO_FALHA_VALIDACAO_ECT | | enumeration | ERRO_TAG_UTILIZADA | | enumeration | ERRO_TAG_JA_POSSEI_EP_ASSOCIADO | | |
| Kind | Value | Annotation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | SUCESO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | CHAMADA_ASSINCRONA_NAO_FINALIZADA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_DECONHECIDO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_PARAMETROS_INVALIDOS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_NAO_APROVADO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_ASSINATURA_INVALIDA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_PERMISSAO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_TOKEN_INVALIDO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_TID_NAO_ENCONTRADO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_FABRICA_NAO_ENCONTRADA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_OPERADORA_NAO_ENCONTRADA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_TID_NAO_PERTENCE_FABRICA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_OBUID_NAO_ENCONTRADO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_FALHA_GERACAO_OBUID | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_SLD_NAO_ENCONTRADO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_CSS_NAO_ENCONTRADO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_ECT_NAO_ENCONTRADO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_FALHA_COMUNICACAO_ECT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_FALHA_DE_DADOS_ECT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_FALHA_VALIDACAO_ECT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_TAG_UTILIZADA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_TAG_JA_POSSEI_EP_ASSOCIADO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | |
|--------|---|
| | enumeration ERRO_LOTE_NAO_PERTENCE_OPERADORA |
| | enumeration ERRO_TAG_NAO_PODE_SER_VENDIDA |
| | enumeration ERRO_NAO_FOI_POSSIVEL_DECODIFICAR_A_MENSAGEM |
| source | <xs:element name="return" type="tns:wsResult" minOccurs="0"/> |

complexType registraVenda

| | |
|-----------|---|
| diagram | |
| namespace | http://webservices.brasil-id.org.br/tag/ |
| children | idOperadora listaTIDs Signature |
| used by | element registraVenda |
| source | <pre><xs:complexType name="registraVenda"> <xs:sequence> <xs:element name="idOperadora" type="xs:long" minOccurs="0"/> <xs:element name="listaTIDs" type="xs:string" nillable="true" minOccurs="0" maxOccurs="unbounded"/> <xs:element name="Signature" type="ns1:SignatureType" minOccurs="0"/> </xs:sequence> </xs:complexType></pre> |

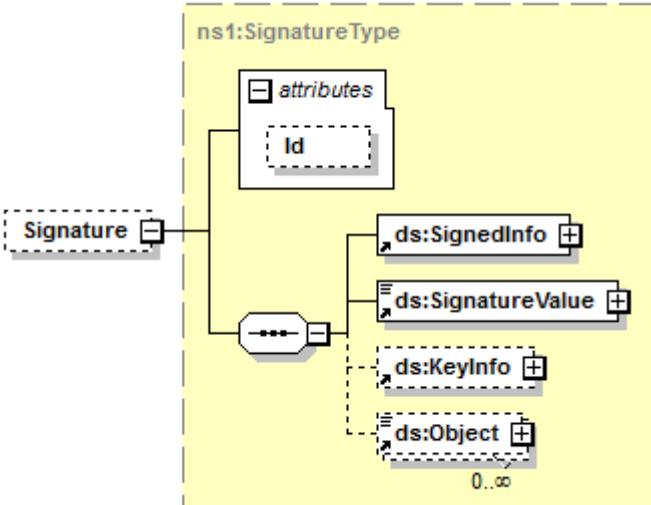
element registraVenda/idOperadora

| | |
|------------|---|
| diagram |  |
| type | xs:long |
| properties | minOcc 0 maxOcc 1 content simple |
| source | <xs:element name="idOperadora" type="xs:long" minOccurs="0"/> |

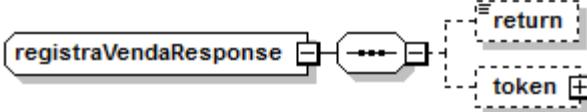
element registraVenda/listaTIDs

| | |
|------------|--|
| diagram |  |
| type | xs:string |
| properties | minOcc 0 maxOcc unbounded content simple nillable true |
| source | <code><xs:element name="listaTIDs" type="xs:string" nillable="true" minOccurs="0" maxOccurs="unbounded"/></code> |

element registraVenda/Signature

| diagram |  | | | | | | | | | | | | |
|------------|--|----------|---------|-------|------------|-------|------------|-----------|--------------|----------|--|--|--|
| type | ds:SignatureType | | | | | | | | | | | | |
| properties | minOcc 0 maxOcc 1 content complex | | | | | | | | | | | | |
| children | ds:SignedInfo ds:SignatureValue ds:KeyInfo ds:Object | | | | | | | | | | | | |
| attributes | <table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td><u>Id</u></td> <td>xs:ID</td> <td>optional</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | Name | Type | Use | Default | Fixed | Annotation | <u>Id</u> | xs:ID | optional | | | |
| Name | Type | Use | Default | Fixed | Annotation | | | | | | | | |
| <u>Id</u> | xs:ID | optional | | | | | | | | | | | |
| source | <code><xs:element name="Signature" type="ns1:SignatureType" minOccurs="0"/></code> | | | | | | | | | | | | |

complexType registraVendaResponse

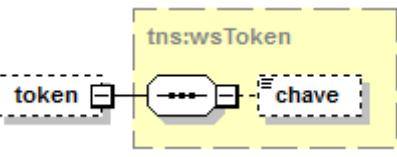
| | |
|-----------|---|
| diagram |  |
| namespace | http://webservices.brasil-id.org.br/tag/ |
| children | return token |
| used by | element registraVendaResponse |
| source | <pre><xs:complexType name="registraVendaResponse"> <xs:sequence> <xs:element name="return" type="tns:wsResult" minOccurs="0"/> <xs:element name="token" type="tns:wsToken" minOccurs="0"/> </xs:sequence> </xs:complexType></pre> |

element registraVendaResponse/return

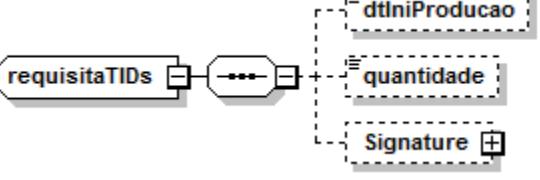
| diagram |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------|--|------------|-------|------------|-------------|---------|--------|-------------|-----------------------------------|--|-------------|-------------------|--|-------------|---------------------------|--|-------------|-------------------|--|-------------|--------------------------|--|-------------|----------------|--|-------------|---------------------|--|-------------|-------------------------|--|-------------|-----------------------------|--|-------------|-------------------------------|--|
| type | tns:wsResult | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| properties | <table> <tr> <td>minOcc</td> <td>0</td> </tr> <tr> <td>maxOcc</td> <td>1</td> </tr> <tr> <td>content</td> <td>simple</td> </tr> </table> | minOcc | 0 | maxOcc | 1 | content | simple | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| minOcc | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| maxOcc | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| content | simple | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| facets | <table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>enumeration</td> <td>SUCESO</td> <td></td> </tr> <tr> <td>enumeration</td> <td>CHAMADA_ASSINCRONA_NAO_FINALIZADA</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ERRO_DESCONHECIDO</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ERRO_PARAMETROS_INVALIDOS</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ERRO_NAO_APROVADO</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ERRO_ASSINATURA_INVALIDA</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ERRO_PERMISSAO</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ERRO_TOKEN_INVALIDO</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ERRO_TID_NAO_ENCONTRADO</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ERRO_FABRICA_NAO_ENCONTRADA</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ERRO_OPERADORA_NAO_ENCONTRADA</td> <td></td> </tr> </tbody> </table> | Kind | Value | Annotation | enumeration | SUCESO | | enumeration | CHAMADA_ASSINCRONA_NAO_FINALIZADA | | enumeration | ERRO_DESCONHECIDO | | enumeration | ERRO_PARAMETROS_INVALIDOS | | enumeration | ERRO_NAO_APROVADO | | enumeration | ERRO_ASSINATURA_INVALIDA | | enumeration | ERRO_PERMISSAO | | enumeration | ERRO_TOKEN_INVALIDO | | enumeration | ERRO_TID_NAO_ENCONTRADO | | enumeration | ERRO_FABRICA_NAO_ENCONTRADA | | enumeration | ERRO_OPERADORA_NAO_ENCONTRADA | |
| Kind | Value | Annotation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | SUCESO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | CHAMADA_ASSINCRONA_NAO_FINALIZADA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_DESCONHECIDO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_PARAMETROS_INVALIDOS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_NAO_APROVADO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_ASSINATURA_INVALIDA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_PERMISSAO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_TOKEN_INVALIDO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_TID_NAO_ENCONTRADO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_FABRICA_NAO_ENCONTRADA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_OPERADORA_NAO_ENCONTRADA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | |
|--------|--|
| | enumeration ERRO_TID_NAO_PERTENCE_FABRICA enumeration ERRO_OBUID_NAO_ENCONTRADO enumeration ERRO_FALHA_GERACAO_OBUID enumeration ERRO_SLD_NAO_ENCONTRADO enumeration ERRO_CSS_NAO_ENCONTRADO enumeration ERRO_ECT_NAO_ENCONTRADO enumeration ERRO_FALHA_COMUNICACAO_ECT enumeration ERRO_FALHA_DE_DADOS_ECT enumeration ERRO_FALHA_VALIDACAO_ECT enumeration ERRO_TAG_UTILIZADA enumeration ERRO_TAG_JA_POSSEI_EP_ASSOCIADO enumeration ERRO_LOTE_NAO_PERTENCE_OPERADORA enumeration ERRO_TAG_NAO_PODE_SER_VENDIDA enumeration ERRO_NAO_FOI POSSIVEL DECODIFICAR_A_MENSAGEM |
| source | <xs:element name="return" type="tns:wsResult" minOccurs="0"/> |

element **registraVendaResponse/token**

| | |
|------------|--|
| diagram |  <pre> classDiagram class token class tns:wsToken class chave token --> tns:wsToken : tns:wsToken --> chave : </pre> |
| type | tns:wsToken |
| properties | minOcc 0 maxOcc 1 content complex |
| children | chave |
| source | <xs:element name="token" type="tns:wsToken" minOccurs="0"/> |

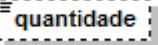
complexType requisitaTIDs

| | |
|-----------|---|
| diagram |  |
| namespace | http://webservices.brasil-id.org.br/tag/ |
| children | dtIniProducao quantidade Signature |
| used by | element requisitaTIDs |
| source | <pre><xs:complexType name="requisitaTIDs"> <xs:sequence> <xs:element name="dtIniProducao" type="xs:dateTime" minOccurs="0"/> <xs:element name="quantidade" type="xs:int" minOccurs="0"/> <xs:element name="Signature" type="ns1:SignatureType" minOccurs="0"/> </xs:sequence> </xs:complexType></pre> |

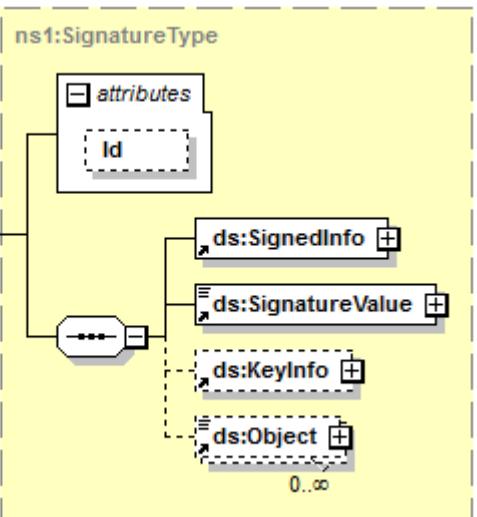
element requisitaTIDs/dtIniProducao

| | |
|------------|--|
| diagram |  |
| type | xs:dateTime |
| properties | minOcc 0 maxOcc 1 content simple |
| source | <pre><xs:element name="dtIniProducao" type="xs:dateTime" minOccurs="0"/></pre> |

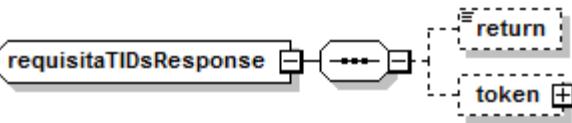
element requisitaTIDs/quantidade

| | |
|------------|---|
| diagram |  |
| type | xs:int |
| properties | minOcc 0 maxOcc 1 content simple |
| source | <pre><xs:element name="quantidade" type="xs:int" minOccurs="0"/></pre> |

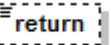
element requisitaTIDs/Signature

| diagram |  | | | | | | | | | | | | |
|--------------------|--|----------|---------|-------|------------|-------|------------|--------------------|-----------------------|----------|--|--|--|
| type | ds:SignatureType | | | | | | | | | | | | |
| properties | minOcc 0 maxOcc 1 content complex | | | | | | | | | | | | |
| children | ds:SignedInfo ds:SignatureValue ds:KeyInfo ds:Object | | | | | | | | | | | | |
| attributes | <table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>Id</td> <td>xs:ID</td> <td>optional</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | Name | Type | Use | Default | Fixed | Annotation | Id | xs:ID | optional | | | |
| Name | Type | Use | Default | Fixed | Annotation | | | | | | | | |
| Id | xs:ID | optional | | | | | | | | | | | |
| source | <code><xs:element name="Signature" type="ns1:SignatureType" minOccurs="0"/></code> | | | | | | | | | | | | |

complexType requisitaTIDsResponse

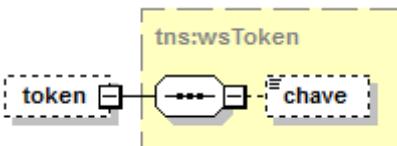
| | |
|-----------|---|
| diagram |  |
| namespace | http://webservices.brasil-id.org.br/tag/ |
| children | return token |
| used by | element requisitaTIDsResponse |
| source | <code><xs:complexType name="requisitaTIDsResponse"></code> <code><xs:sequence></code> <code><xs:element name="return" type="tns:wsResult" minOccurs="0"/></code> <code><xs:element name="token" type="tns:wsToken" minOccurs="0"/></code> <code></xs:sequence></code> <code></xs:complexType></code> |

element requisitaTIDsResponse/return

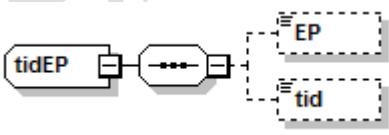
| diagram |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------|---|------------|-------|------------|-------------|---------|--|-------------|-----------------------------------|--|-------------|-------------------|--|-------------|---------------------------|--|-------------|-------------------|--|-------------|--------------------------|--|-------------|----------------|--|-------------|---------------------|--|-------------|-------------------------|--|-------------|-----------------------------|--|-------------|-------------------------------|--|-------------|-------------------------------|--|-------------|---------------------------|--|-------------|--------------------------|--|-------------|-------------------------|--|-------------|-------------------------|--|-------------|-------------------------|--|-------------|----------------------------|--|-------------|-------------------------|--|-------------|--------------------------|--|
| type | tns:wsResult | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| properties | minOcc 0 maxOcc 1 content simple | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| facets | <table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr><td>enumeration</td><td>SUCESSO</td><td></td></tr> <tr><td>enumeration</td><td>CHAMADA_ASSINCRONA_NAO_FINALIZADA</td><td></td></tr> <tr><td>enumeration</td><td>ERRO_DESCONHECIDO</td><td></td></tr> <tr><td>enumeration</td><td>ERRO_PARAMETROS_INVALIDOS</td><td></td></tr> <tr><td>enumeration</td><td>ERRO_NAO_APROVADO</td><td></td></tr> <tr><td>enumeration</td><td>ERRO_ASSINATURA_INVALIDA</td><td></td></tr> <tr><td>enumeration</td><td>ERRO_PERMISSAO</td><td></td></tr> <tr><td>enumeration</td><td>ERRO_TOKEN_INVALIDO</td><td></td></tr> <tr><td>enumeration</td><td>ERRO_TID_NAO_ENCONTRADO</td><td></td></tr> <tr><td>enumeration</td><td>ERRO_FABRICA_NAO_ENCONTRADA</td><td></td></tr> <tr><td>enumeration</td><td>ERRO_OPERADORA_NAO_ENCONTRADA</td><td></td></tr> <tr><td>enumeration</td><td>ERRO_TID_NAO_PERTENCE_FABRICA</td><td></td></tr> <tr><td>enumeration</td><td>ERRO_OBUID_NAO_ENCONTRADO</td><td></td></tr> <tr><td>enumeration</td><td>ERRO_FALHA_GERACAO_OBUID</td><td></td></tr> <tr><td>enumeration</td><td>ERRO_SLD_NAO_ENCONTRADO</td><td></td></tr> <tr><td>enumeration</td><td>ERRO_CSS_NAO_ENCONTRADO</td><td></td></tr> <tr><td>enumeration</td><td>ERRO_ECT_NAO_ENCONTRADO</td><td></td></tr> <tr><td>enumeration</td><td>ERRO_FALHA_COMUNICACAO_ECT</td><td></td></tr> <tr><td>enumeration</td><td>ERRO_FALHA_DE_DADOS_ECT</td><td></td></tr> <tr><td>enumeration</td><td>ERRO_FALHA_VALIDACAO_ECT</td><td></td></tr> </tbody> </table> | Kind | Value | Annotation | enumeration | SUCESSO | | enumeration | CHAMADA_ASSINCRONA_NAO_FINALIZADA | | enumeration | ERRO_DESCONHECIDO | | enumeration | ERRO_PARAMETROS_INVALIDOS | | enumeration | ERRO_NAO_APROVADO | | enumeration | ERRO_ASSINATURA_INVALIDA | | enumeration | ERRO_PERMISSAO | | enumeration | ERRO_TOKEN_INVALIDO | | enumeration | ERRO_TID_NAO_ENCONTRADO | | enumeration | ERRO_FABRICA_NAO_ENCONTRADA | | enumeration | ERRO_OPERADORA_NAO_ENCONTRADA | | enumeration | ERRO_TID_NAO_PERTENCE_FABRICA | | enumeration | ERRO_OBUID_NAO_ENCONTRADO | | enumeration | ERRO_FALHA_GERACAO_OBUID | | enumeration | ERRO_SLD_NAO_ENCONTRADO | | enumeration | ERRO_CSS_NAO_ENCONTRADO | | enumeration | ERRO_ECT_NAO_ENCONTRADO | | enumeration | ERRO_FALHA_COMUNICACAO_ECT | | enumeration | ERRO_FALHA_DE_DADOS_ECT | | enumeration | ERRO_FALHA_VALIDACAO_ECT | |
| Kind | Value | Annotation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | SUCESSO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | CHAMADA_ASSINCRONA_NAO_FINALIZADA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_DESCONHECIDO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_PARAMETROS_INVALIDOS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_NAO_APROVADO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_ASSINATURA_INVALIDA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_PERMISSAO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_TOKEN_INVALIDO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_TID_NAO_ENCONTRADO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_FABRICA_NAO_ENCONTRADA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_OPERADORA_NAO_ENCONTRADA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_TID_NAO_PERTENCE_FABRICA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_OBUID_NAO_ENCONTRADO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_FALHA_GERACAO_OBUID | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_SLD_NAO_ENCONTRADO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_CSS_NAO_ENCONTRADO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_ECT_NAO_ENCONTRADO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_FALHA_COMUNICACAO_ECT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_FALHA_DE_DADOS_ECT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_FALHA_VALIDACAO_ECT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | |
|--------|--|
| | enumeration ERRO_TAG_UTILIZADA |
| | enumeration ERRO_TAG_JA_POSSEI_EP_ASSOCIADO |
| | enumeration ERRO_LOTE_NAO_PERTENCE_OPERADORA |
| | enumeration ERRO_TAG_NAO_PODE_SER_VENDIDA |
| | enumeration ERRO_NAO_FOI_POSSIVEL_DECODIFICAR_A_MENSAGEM |
| source | <code><xs:element name="return" type="tns:wsResult" minOccurs="0"/></code> |

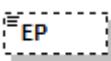
element requisitaTIDsResponse/token

| | |
|------------|---|
| diagram |  |
| type | tns:wsToken |
| properties | minOcc 0 maxOcc 1 content complex |
| children | chave |
| source | <code><xs:element name="token" type="tns:wsToken" minOccurs="0"/></code> |

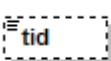
complexType tidEP

| | |
|-----------|--|
| diagram |  |
| namespace | http://webservices.brasil-id.org.br/tag/ |
| children | EP tid |
| used by | element registraEP/dictTipEp |
| source | <code><xs:complexType name="tidEP"> <xs:sequence> <xs:element name="EP" type="xs:string" minOccurs="0"/> <xs:element name="tid" type="xs:string" minOccurs="0"/> </xs:sequence> </xs:complexType></code> |

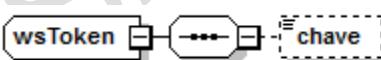
element tidEP/EP

| | |
|------------|---|
| diagram |  |
| type | xs:string |
| properties | minOcc 0 maxOcc 1 content simple |
| source | <xs:element name="EP" type="xs:string" minOccurs="0"/> |

element tidEP/tid

| | |
|------------|--|
| diagram |  |
| type | xs:string |
| properties | minOcc 0 maxOcc 1 content simple |
| source | <xs:element name="tid" type="xs:string" minOccurs="0"/> |

complexType wsToken

| | |
|-----------|--|
| diagram |  |
| namespace | http://webservices.brasil-id.org.br/tag/ |
| children | chave |
| used by | elements confirmaRequisicaoTIDs/token recuperaTIDs/token registraVendaResponse/token recuperaDadosVenda/token confirmaCompra/token cancelaRequisicaoTIDs/token cancelaVenda/token recuperaStatusVenda/token requisitaTIDsResponse/token |
| source | <xs:complexType name="wsToken"> <xs:sequence> <xs:element name="chave" type="xs:string" minOccurs="0"/> </xs:sequence> </xs:complexType> |

element wsToken/chave

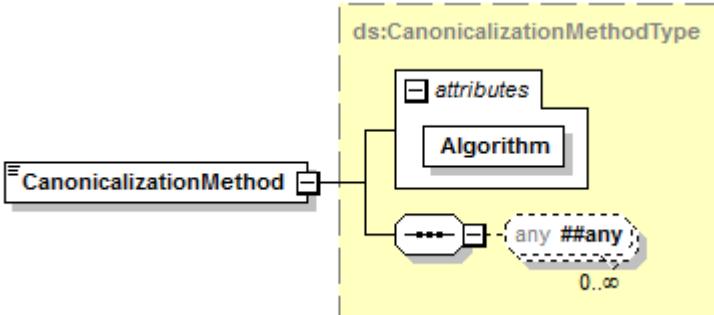
| | |
|------------|---|
| diagram |  |
| type | xs:string |
| properties | minOcc 0 maxOcc 1 content simple |
| source | <code><xs:element name="chave" type="xs:string" minOccurs="0"/></code> |

simpleType wsResult

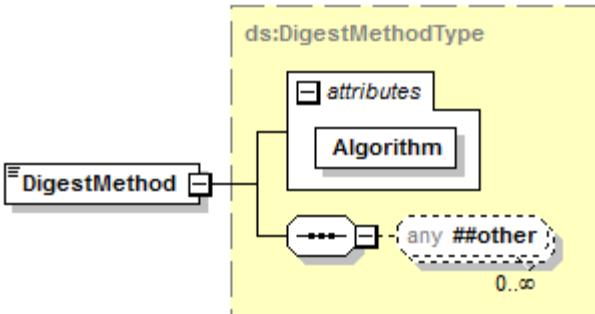
| | | |
|------------|--|------------|
| namespace | http://webservices.brasil-id.org.br/tag/ | |
| type | restriction of xs:string | |
| properties | base xs:string | |
| used by | elements confirmaRequisicaoTIDsResponse/return recuperaTIDsResponse/return registraVendaResponse/return recuperaDadosVendaResponse/return confirmaCompraResponse/return cancelaRequisicaoTIDsResponse/return cancelaVendaResponse/return registraEPResponse/return recuperaStatusVendaResponse/return requisitaTIDsResponse/return | |
| facets | Kind Value enumeration SUCESSO enumeration CHAMADA_ASSINCRONA_NAO_FINALIZADA enumeration ERRO_DESCONHECIDO enumeration ERRO_PARAMETROS_INVALIDOS enumeration ERRO_NAO_APROVADO enumeration ERRO_ASSINATURA_INVALIDA enumeration ERRO_PERMISSAO enumeration ERRO_TOKEN_INVALIDO enumeration ERRO_TID_NAO_ENCONTRADO enumeration ERRO_FABRICA_NAO_ENCONTRADA enumeration ERRO_OPERADORA_NAO_ENCONTRADA enumeration ERRO_TID_NAO_PERTENCE_FABRICA | Annotation |

| | |
|--------|--|
| | enumeration ERRO_OBUID_NAO_ENCONTRADO enumeration ERRO_FALHA_GERACAO_OBUID enumeration ERRO_SLD_NAO_ENCONTRADO enumeration ERRO_CSS_NAO_ENCONTRADO enumeration ERRO_ECT_NAO_ENCONTRADO enumeration ERRO_FALHA_COMUNICACAO_ECT enumeration ERRO_FALHA_DE_DADOS_ECT enumeration ERRO_FALHA_VALIDACAO_ECT enumeration ERRO_TAG_UTILIZADA enumeration ERRO_TAG_JA_POSSEI_EP_ASSOCIADO enumeration ERRO_LOTE_NAO_PERTENCE_OPERADORA enumeration ERRO_TAG_NAO_PODE_SER_VENDIDA enumeration ERRO_NAO_FOI_POSSIVEL_DECODIFICAR_A_MENSAGEM |
| source | <pre> <xs:simpleType name="wsResult"> <xs:restriction base="xs:string"> <xs:enumeration value="SUCESSO"/> <xs:enumeration value="CHAMADA_ASSINCRONA_NAO_FINALIZADA"/> <xs:enumeration value="ERRO_DESCONHECIDO"/> <xs:enumeration value="ERRO_PARAMETROS_INVALIDOS"/> <xs:enumeration value="ERRO_NAO_APROVADO"/> <xs:enumeration value="ERRO_ASSINATURA_INVALIDA"/> <xs:enumeration value="ERRO_PERMISSAO"/> <xs:enumeration value="ERRO_TOKEN_INVALIDO"/> <xs:enumeration value="ERRO_TID_NAO_ENCONTRADO"/> <xs:enumeration value="ERRO_FABRICA_NAO_ENCONTRADA"/> <xs:enumeration value="ERRO_OPERADORA_NAO_ENCONTRADA"/> <xs:enumeration value="ERRO_TID_NAO_PERTENCE_FABRICA"/> <xs:enumeration value="ERRO_OBUID_NAO_ENCONTRADO"/> <xs:enumeration value="ERRO_FALHA_GERACAO_OBUID"/> <xs:enumeration value="ERRO_SLD_NAO_ENCONTRADO"/> <xs:enumeration value="ERRO_CSS_NAO_ENCONTRADO"/> <xs:enumeration value="ERRO_ECT_NAO_ENCONTRADO"/> <xs:enumeration value="ERRO_FALHA_COMUNICACAO_ECT"/> <xs:enumeration value="ERRO_FALHA_DE_DADOS_ECT"/> <xs:enumeration value="ERRO_FALHA_VALIDACAO_ECT"/> <xs:enumeration value="ERRO_TAG_UTILIZADA"/> <xs:enumeration value="ERRO_TAG_JA_POSSEI_EP_ASSOCIADO"/> <xs:enumeration value="ERRO_LOTE_NAO_PERTENCE_OPERADORA"/> <xs:enumeration value="ERRO_TAG_NAO_PODE_SER_VENDIDA"/> <xs:enumeration value="ERRO_NAO_FOI_POSSIVEL_DECODIFICAR_A_MENSAGEM"/> </xs:restriction> </xs:simpleType></pre> |

element CanonicalizationMethod

| diagram |  | | | | | | | | | | | | |
|---------------------------|---|----------|---------|-------|------------|-------|------------|---------------------------|---------------------------|----------|--|--|--|
| namespace | http://www.w3.org/2000/09/xmldsig# | | | | | | | | | | | | |
| type | ds:CanonicalizationMethodType | | | | | | | | | | | | |
| properties | content complex mixed true | | | | | | | | | | | | |
| used by | complexType SignedInfoType | | | | | | | | | | | | |
| attributes | <table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>Algorithm</td> <td>xs:anyURI</td> <td>required</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | Name | Type | Use | Default | Fixed | Annotation | Algorithm | xs:anyURI | required | | | |
| Name | Type | Use | Default | Fixed | Annotation | | | | | | | | |
| Algorithm | xs:anyURI | required | | | | | | | | | | | |
| source | <code><xs:element name="CanonicalizationMethod" type="ds:CanonicalizationMethodType"/></code> | | | | | | | | | | | | |

element DigestMethod

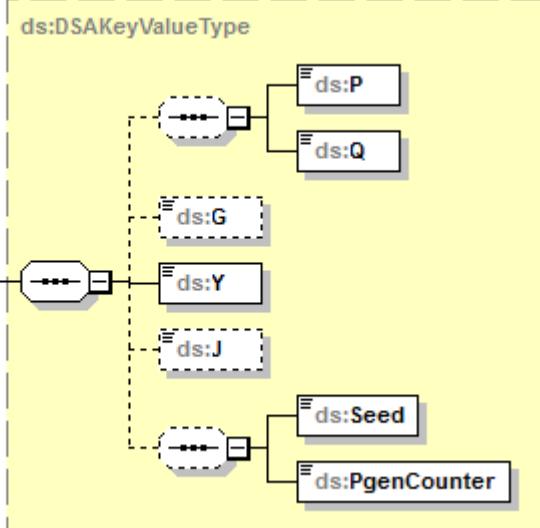
| | |
|------------|---|
| diagram |  |
| namespace | http://www.w3.org/2000/09/xmldsig# |
| type | ds:DigestMethodType |
| properties | content complex mixed true |
| used by | complexType ReferenceType |

| attributes | Name | Type | Use | Default | Fixed | Annotation |
|------------|---|---------------------------|----------|---------|-------|------------|
| | Algorithm | xs:anyURI | required | | | |
| source | <code><xs:element name="DigestMethod" type="ds:DigestMethodType"/></code> | | | | | |

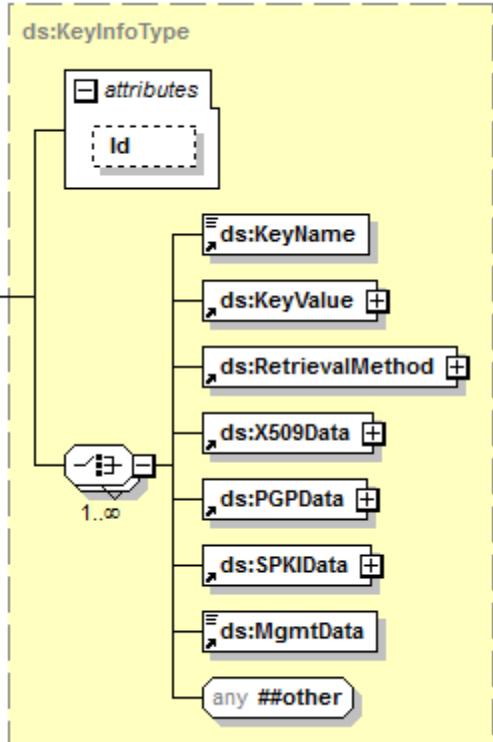
element DigestValue

| | |
|------------|---|
| diagram |  |
| namespace | http://www.w3.org/2000/09/xmldsig# |
| type | ds:DigestValueType |
| properties | content simple |
| used by | complexType ReferenceType |
| source | <code><xs:element name="DigestValue" type="ds:DigestValueType"/></code> |

element DSAKeyValue

| | |
|------------|---|
| diagram |  |
| namespace | http://www.w3.org/2000/09/xmldsig# |
| type | ds:DSAKeyValueType |
| properties | content complex |
| children | ds:P ds:Q ds:G ds:Y ds:J ds:Seed ds:PgenCounter |
| used by | complexType KeyValue |
| source | <code><xs:element name="DSAKeyValue" type="ds:DSAKeyValueType"/></code> |

element KeyInfo

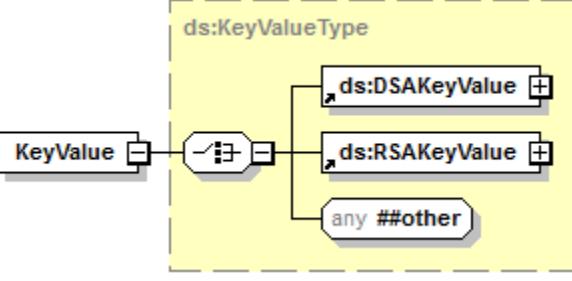
| diagram |  | | | | | | | | | | | | |
|--------------------|--|----------|---------|-------|------------|-------|------------|--------------------|-----------------------|----------|--|--|--|
| namespace | http://www.w3.org/2000/09/xmldsig# | | | | | | | | | | | | |
| type | ds:KeyInfoType | | | | | | | | | | | | |
| properties | content complex mixed true | | | | | | | | | | | | |
| children | ds:KeyName ds:KeyValue ds:RetrievalMethod ds:X509Data ds:PGPData ds:SPKIData ds:MgmtData | | | | | | | | | | | | |
| used by | complexType SignatureType | | | | | | | | | | | | |
| attributes | <table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>Id</td> <td>xs:ID</td> <td>optional</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | Name | Type | Use | Default | Fixed | Annotation | Id | xs:ID | optional | | | |
| Name | Type | Use | Default | Fixed | Annotation | | | | | | | | |
| Id | xs:ID | optional | | | | | | | | | | | |
| source | <code><xs:element name="KeyInfo" type="ds:KeyInfoType"/></code> | | | | | | | | | | | | |

element KeyName

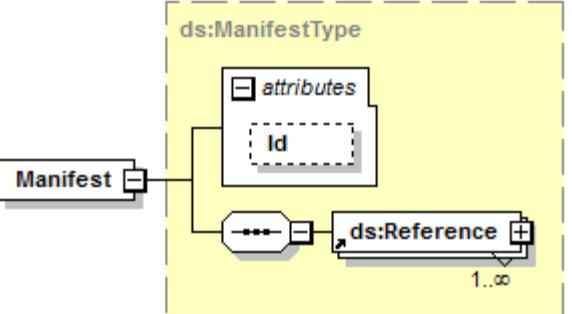
| | |
|-----------|---|
| diagram |  |
| namespace | http://www.w3.org/2000/09/xmldsig# |

| | |
|------------|--|
| type | xs:string |
| properties | content simple |
| used by | complexType KeyInfoType |
| source | <xs:element name="KeyName" type="string"/> |

element KeyValue

| | |
|------------|---|
| diagram |  |
| namespace | http://www.w3.org/2000/09/xmldsig# |
| type | ds:KeyValueType |
| properties | content complex mixed true |
| children | ds:DSAKeyValue ds:RSAKeyValue |
| used by | complexType KeyInfoType |
| source | <xs:element name="KeyValue" type="ds:KeyValueType"/> |

element Manifest

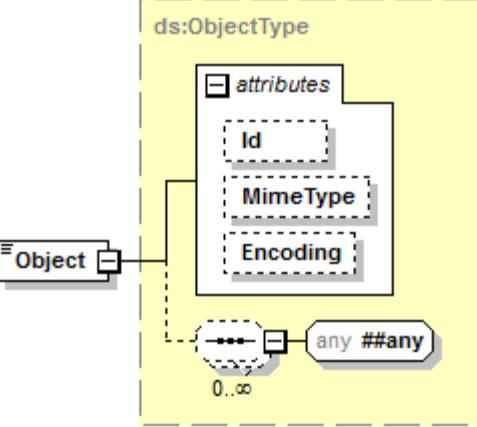
| | |
|------------|---|
| diagram |  |
| namespace | http://www.w3.org/2000/09/xmldsig# |
| type | ds:ManifestType |
| properties | content complex |
| children | ds:Reference |

| | Name | Type | Use | Default | Fixed | Annotation |
|------------|--|-------|----------|---------|-------|------------|
| attributes | <u>Id</u> | xs:ID | optional | | | |
| source | <xs:element name="Manifest" type="ds:ManifestType"/> | | | | | |

element MgmtData

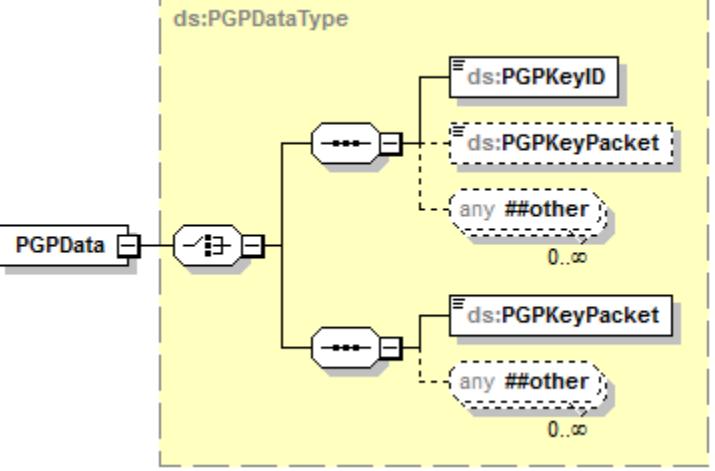
| | |
|------------|---|
| diagram |  |
| namespace | http://www.w3.org/2000/09/xmldsig# |
| type | xs:string |
| properties | content simple |
| used by | complexType KeyInfoType |
| source | <xs:element name="MgmtData" type="string"/> |

element Object

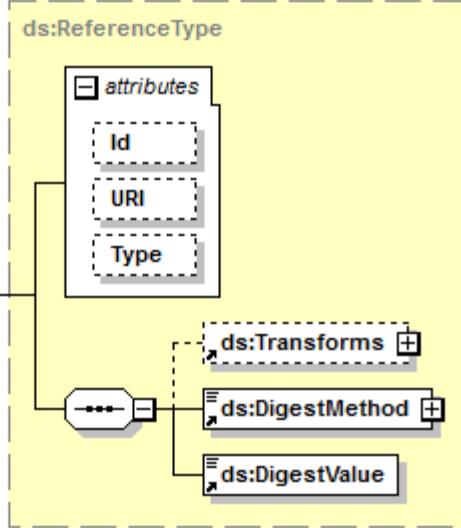
| diagram |  | | | | | | | | | | | | | | | | | | |
|-----------------|---|----------|---------|-------|------------|-------|------------|-----------|-------|----------|--|--|--|-----------------|-----------|----------|--|--|--|
| namespace | http://www.w3.org/2000/09/xmldsig# | | | | | | | | | | | | | | | | | | |
| type | ds:ObjectType | | | | | | | | | | | | | | | | | | |
| properties | content complex mixed true | | | | | | | | | | | | | | | | | | |
| used by | complexType SignatureType | | | | | | | | | | | | | | | | | | |
| attributes | <table border="1"> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td><u>Id</u></td> <td>xs:ID</td> <td>optional</td> <td></td> <td></td> <td></td></tr> <tr> <td><u>MimeType</u></td> <td>xs:string</td> <td>optional</td> <td></td> <td></td> <td></td></tr> </tbody> </table> | Name | Type | Use | Default | Fixed | Annotation | <u>Id</u> | xs:ID | optional | | | | <u>MimeType</u> | xs:string | optional | | | |
| Name | Type | Use | Default | Fixed | Annotation | | | | | | | | | | | | | | |
| <u>Id</u> | xs:ID | optional | | | | | | | | | | | | | | | | | |
| <u>MimeType</u> | xs:string | optional | | | | | | | | | | | | | | | | | |

| | |
|--------|--|
| | <u>Encoding</u> xs:anyURI optional |
| source | <xs:element name="Object" type="ds:ObjectType"/> |

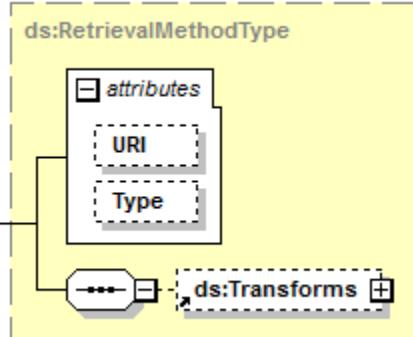
element PGPData

| | |
|------------|---|
| diagram |  |
| namespace | http://www.w3.org/2000/09/xmldsig# |
| type | ds:PGPDataType |
| properties | content complex |
| children | ds:PGPKeyID ds:PGPKeyPacket ds:PGPKeyPacket |
| used by | complexType KeyInfoType |
| source | <xs:element name="PGPData" type="ds:PGPDataType"/> |

element Reference

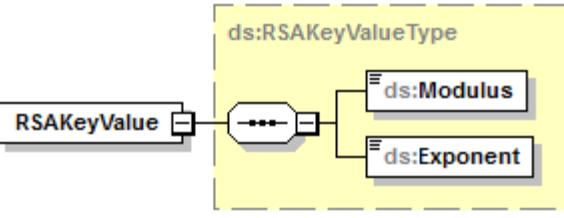
| diagram |  | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---|----------|---------|-------|------------|-------|------------|--------------------|-----------------------|----------|--|--|--|---------------------|---------------------------|----------|--|--|--|----------------------|---------------------------|----------|--|--|--|
| namespace | http://www.w3.org/2000/09/xmldsig# | | | | | | | | | | | | | | | | | | | | | | | | |
| type | ds:ReferenceType | | | | | | | | | | | | | | | | | | | | | | | | |
| properties | content complex | | | | | | | | | | | | | | | | | | | | | | | | |
| children | ds:Transforms ds:DigestMethod ds:DigestValue | | | | | | | | | | | | | | | | | | | | | | | | |
| used by | complexTypes ManifestType SignedInfoType | | | | | | | | | | | | | | | | | | | | | | | | |
| attributes | <table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>Id</td> <td>xs:ID</td> <td>optional</td> <td></td> <td></td> <td></td> </tr> <tr> <td>URI</td> <td>xs:anyURI</td> <td>optional</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Type</td> <td>xs:anyURI</td> <td>optional</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | Name | Type | Use | Default | Fixed | Annotation | Id | xs:ID | optional | | | | URI | xs:anyURI | optional | | | | Type | xs:anyURI | optional | | | |
| Name | Type | Use | Default | Fixed | Annotation | | | | | | | | | | | | | | | | | | | | |
| Id | xs:ID | optional | | | | | | | | | | | | | | | | | | | | | | | |
| URI | xs:anyURI | optional | | | | | | | | | | | | | | | | | | | | | | | |
| Type | xs:anyURI | optional | | | | | | | | | | | | | | | | | | | | | | | |
| source | <code><xs:element name="Reference" type="ds:ReferenceType"/></code> | | | | | | | | | | | | | | | | | | | | | | | | |

element RetrievalMethod

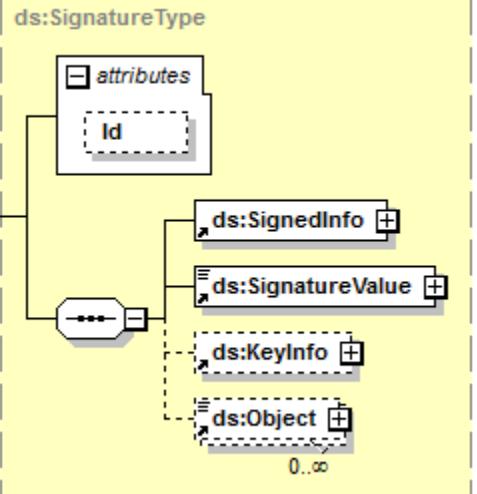
| | |
|-----------|--|
| diagram |  |
| namespace | http://www.w3.org/2000/09/xmldsig# |

| | | | | | | |
|------------|--|---------------------------|----------|---------|-------|------------|
| type | ds:RetrievalMethodType | | | | | |
| properties | content complex | | | | | |
| children | ds:Transforms | | | | | |
| used by | complexType KeyInfoType | | | | | |
| attributes | Name | Type | Use | Default | Fixed | Annotation |
| | URI | xs:anyURI | | | | |
| | Type | xs:anyURI | optional | | | |
| source | <xs:element name="RetrievalMethod" type="ds:RetrievalMethodType"/> | | | | | |

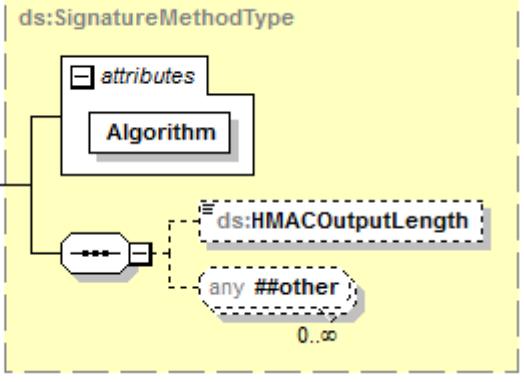
element RSAKeyValue

| | |
|------------|---|
| diagram |  |
| namespace | http://www.w3.org/2000/09/xmldsig# |
| type | ds:RSAKeyValue |
| properties | content complex |
| children | ds:Modulus ds:Exponent |
| used by | complexType KeyValue |
| source | <xs:element name="RSAKeyValue" type="ds:RSAKeyValue"/> |

element Signature

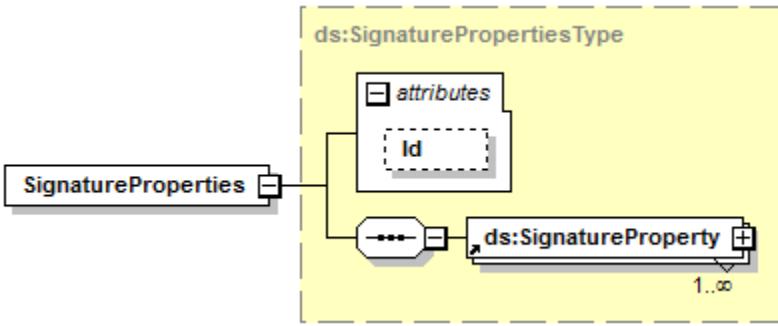
| diagram |  | | | | | | | | | | | | |
|--------------------|--|----------|---------|-------|------------|-------|------------|--------------------|-----------------------|----------|--|--|--|
| namespace | http://www.w3.org/2000/09/xmldsig# | | | | | | | | | | | | |
| type | ds:SignatureType | | | | | | | | | | | | |
| properties | content complex | | | | | | | | | | | | |
| children | ds:SignedInfo ds:SignatureValue ds:KeyInfo ds:Object | | | | | | | | | | | | |
| attributes | <table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>Id</td> <td>xs:ID</td> <td>optional</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | Name | Type | Use | Default | Fixed | Annotation | Id | xs:ID | optional | | | |
| Name | Type | Use | Default | Fixed | Annotation | | | | | | | | |
| Id | xs:ID | optional | | | | | | | | | | | |
| source | <code><xs:element name="Signature" type="ds:SignatureType"/></code> | | | | | | | | | | | | |

element SignatureMethod

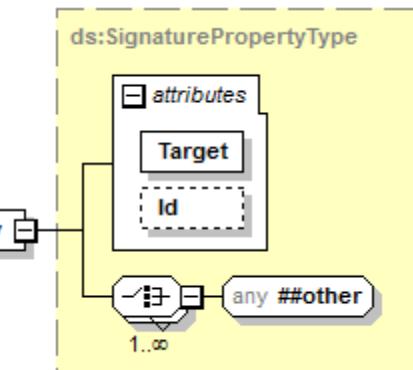
| | |
|------------|--|
| diagram |  |
| namespace | http://www.w3.org/2000/09/xmldsig# |
| type | ds:SignatureMethodType |
| properties | content complex mixed true |

| | | | | | | |
|------------|--|---------------------------|----------|---------|-------|------------|
| children | ds:HMACOutputLength | | | | | |
| used by | complexType SignedInfoType | | | | | |
| attributes | Name | Type | Use | Default | Fixed | Annotation |
| | Algorithm | xs:anyURI | required | | | |
| source | <xs:element name="SignatureMethod" type="ds:SignatureMethodType"/> | | | | | |

element SignatureProperties

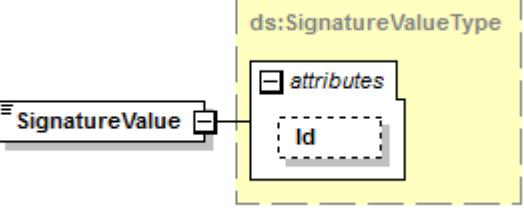
| diagram |  <pre> classDiagram class SignatureProperties { <<ds:SignaturePropertiesType>> } class dsSignatureProperty { <<ds:SignaturePropertyType>> } SignatureProperties "1" -- "*" dsSignatureProperty </pre> | | | | | | | | | | | | |
|--------------------|--|----------|---------|-------|------------|-------|------------|--------------------|-----------------------|----------|--|--|--|
| namespace | http://www.w3.org/2000/09/xmldsig# | | | | | | | | | | | | |
| type | ds:SignaturePropertiesType | | | | | | | | | | | | |
| properties | content complex | | | | | | | | | | | | |
| children | ds:SignatureProperty | | | | | | | | | | | | |
| attributes | <table> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> <tr> <td>Id</td> <td>xs:ID</td> <td>optional</td> <td></td> <td></td> <td></td> </tr> </table> | Name | Type | Use | Default | Fixed | Annotation | Id | xs:ID | optional | | | |
| Name | Type | Use | Default | Fixed | Annotation | | | | | | | | |
| Id | xs:ID | optional | | | | | | | | | | | |
| source | <xs:element name="SignatureProperties" type="ds:SignaturePropertiesType"/> | | | | | | | | | | | | |

element SignatureProperty

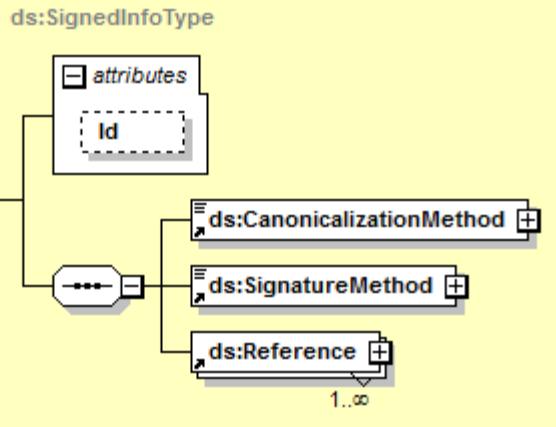
| | |
|-----------|--|
| diagram |  <pre> classDiagram class SignatureProperty { <<ds:SignaturePropertyType>> } class anyOther { <<any ##other>> } SignatureProperty "1" -- "*" anyOther </pre> |
| namespace | http://www.w3.org/2000/09/xmldsig# |

| | | | | | | |
|------------|---|---------------------------|----------|---------|-------|------------|
| namespace | http://www.w3.org/2000/09/xmldsig# | | | | | |
| type | ds:SignaturePropertyType | | | | | |
| properties | content complex mixed true | | | | | |
| used by | complexType SignaturePropertiesType | | | | | |
| attributes | Name | Type | Use | Default | Fixed | Annotation |
| | Target | xs:anyURI | required | | | |
| | Id | xs:ID | optional | | | |
| source | <code><xs:element name="SignatureProperty" type="ds:SignaturePropertyType"/></code> | | | | | |

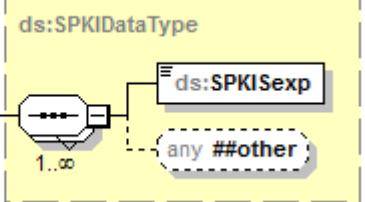
element **SignatureValue**

| | |
|------------|--|
| diagram |  <pre> classDiagram class SignatureValue { <<SignatureValueType>> <<attributes>> <<Id>> } </pre> |
| namespace | http://www.w3.org/2000/09/xmldsig# |
| type | ds:SignatureValueType |
| properties | content complex |
| used by | complexType SignatureType |
| attributes | Name Type Use Default Fixed Annotation |
| | Id xs:ID optional |
| source | <code><xs:element name="SignatureValue" type="ds:SignatureValueType"/></code> |

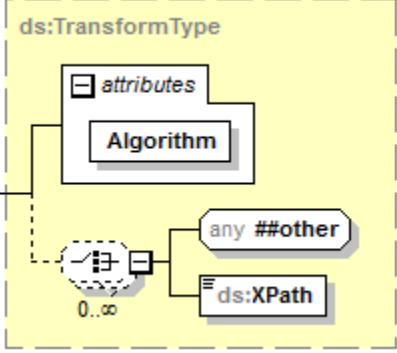
element SignedInfo

| diagram |  | | | | | | | | | | | | |
|--------------------|--|----------|---------|-------|------------|-------|------------|--------------------|-----------------------|----------|--|--|--|
| namespace | http://www.w3.org/2000/09/xmldsig# | | | | | | | | | | | | |
| type | ds:SignedInfoType | | | | | | | | | | | | |
| properties | content complex | | | | | | | | | | | | |
| children | ds:CanonicalizationMethod ds:SignatureMethod ds:Reference | | | | | | | | | | | | |
| used by | complexType SignatureType | | | | | | | | | | | | |
| attributes | <table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>Id</td> <td>xs:ID</td> <td>optional</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | Name | Type | Use | Default | Fixed | Annotation | Id | xs:ID | optional | | | |
| Name | Type | Use | Default | Fixed | Annotation | | | | | | | | |
| Id | xs:ID | optional | | | | | | | | | | | |
| source | <code><xs:element name="SignedInfo" type="ds:SignedInfoType"/></code> | | | | | | | | | | | | |

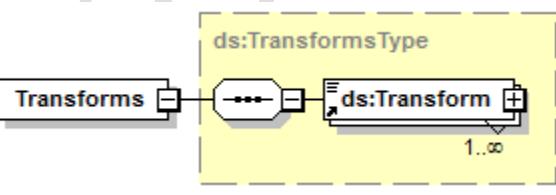
element SPKIData

| | |
|------------|---|
| diagram |  |
| namespace | http://www.w3.org/2000/09/xmldsig# |
| type | ds:SPKIDataType |
| properties | content complex |
| children | ds:SPKISexp |
| used by | complexType KeyInfoType |
| source | <code><xs:element name="SPKIData" type="ds:SPKIDataType"/></code> |

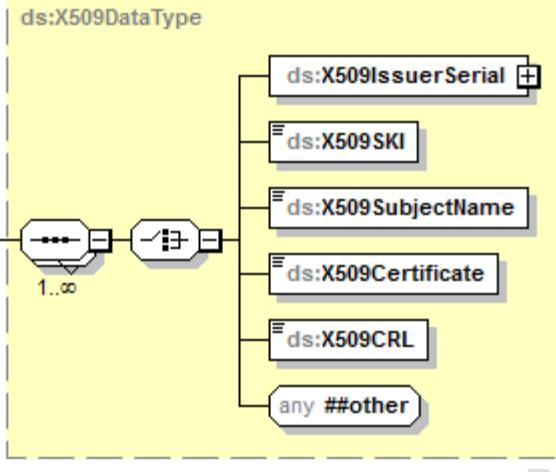
element Transform

| diagram |  | | | | | | | | | | | | |
|---------------------------|---|----------|---------|-------|------------|-------|------------|---------------------------|---------------------------|----------|--|--|--|
| namespace | http://www.w3.org/2000/09/xmldsig# | | | | | | | | | | | | |
| type | ds:TransformType | | | | | | | | | | | | |
| properties | content complex mixed true | | | | | | | | | | | | |
| children | ds:XPath | | | | | | | | | | | | |
| used by | complexType TransformsType | | | | | | | | | | | | |
| attributes | <table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>Algorithm</td> <td>xs:anyURI</td> <td>required</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | Name | Type | Use | Default | Fixed | Annotation | Algorithm | xs:anyURI | required | | | |
| Name | Type | Use | Default | Fixed | Annotation | | | | | | | | |
| Algorithm | xs:anyURI | required | | | | | | | | | | | |
| source | <code><xs:element name="Transform" type="ds:TransformType"/></code> | | | | | | | | | | | | |

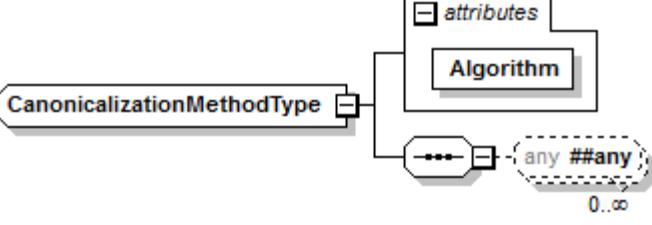
element Transforms

| | |
|------------|---|
| diagram |  |
| namespace | http://www.w3.org/2000/09/xmldsig# |
| type | ds:TransformsType |
| properties | content complex |
| children | ds:Transform |
| used by | complexTypes ReferenceType RetrievalMethodType |
| source | <code><xs:element name="Transforms" type="ds:TransformsType"/></code> |

element X509Data

| | |
|------------|---|
| diagram |  |
| namespace | http://www.w3.org/2000/09/xmldsig# |
| type | ds:X509DataType |
| properties | content complex |
| children | ds:X509IssuerSerial ds:X509SKI ds:X509SubjectName ds:X509Certificate ds:X509CRL |
| used by | complexType KeyInfoType |
| source | <code><xs:element name="X509Data" type="ds:X509DataType"/></code> |

complexType CanonicalizationMethodType

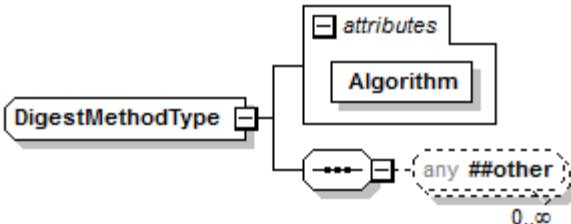
| diagram |  | | | | | | | | | | | | |
|---------------------------|--|----------|---------|-------|------------|-------|------------|---------------------------|---------------------------|----------|--|--|--|
| namespace | http://www.w3.org/2000/09/xmldsig# | | | | | | | | | | | | |
| properties | mixed true | | | | | | | | | | | | |
| used by | element CanonicalizationMethod | | | | | | | | | | | | |
| attributes | <table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>Algorithm</td> <td>xs:anyURI</td> <td>required</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | Name | Type | Use | Default | Fixed | Annotation | Algorithm | xs:anyURI | required | | | |
| Name | Type | Use | Default | Fixed | Annotation | | | | | | | | |
| Algorithm | xs:anyURI | required | | | | | | | | | | | |
| source | <pre><xs:complexType name="CanonicalizationMethodType" mixed="true"> <xs:sequence> <xs:any namespace="##any" minOccurs="0" maxOccurs="unbounded"/> <!-- (0,unbounded) elements from (1,1) namespace --> </xs:sequence> <xs:attribute name="Algorithm" type="anyURI" use="required"/></pre> | | | | | | | | | | | | |

| | |
|--|-------------------|
| | </xs:complexType> |
|--|-------------------|

attribute CanonicalizationMethodType/@Algorithm

| | |
|------------|---|
| type | xs:anyURI |
| properties | use required |
| source | <xs:attribute name="Algorithm" type="anyURI" use="required"/> |

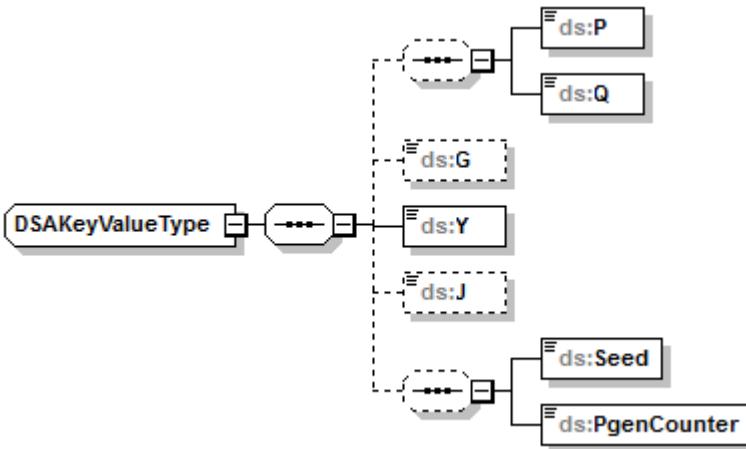
complexType DigestMethodType

| diagram |  <pre> classDiagram class DigestMethodType { sequence { Algorithm "any ##other" } } </pre> | | | | | | | | | | | | |
|---------------------------|---|----------|---------|-------|------------|-------|------------|---------------------------|-----------|----------|--|--|--|
| namespace | http://www.w3.org/2000/09/xmldsig# | | | | | | | | | | | | |
| properties | mixed true | | | | | | | | | | | | |
| used by | element DigestMethod | | | | | | | | | | | | |
| attributes | <table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>Algorithm</td> <td>xs:anyURI</td> <td>required</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | Name | Type | Use | Default | Fixed | Annotation | Algorithm | xs:anyURI | required | | | |
| Name | Type | Use | Default | Fixed | Annotation | | | | | | | | |
| Algorithm | xs:anyURI | required | | | | | | | | | | | |
| source | <pre> <xs:complexType name="DigestMethodType" mixed="true"> <xs:sequence> <xs:any namespace="##other" processContents="lax" minOccurs="0" maxOccurs="unbounded"/> </xs:sequence> <xs:attribute name="Algorithm" type="anyURI" use="required"/> </xs:complexType> </pre> | | | | | | | | | | | | |

attribute DigestMethodType/@Algorithm

| | |
|------------|---|
| type | xs:anyURI |
| properties | use required |
| source | <xs:attribute name="Algorithm" type="anyURI" use="required"/> |

complexType DSAKeyValueObjectType

| | |
|-----------|---|
| diagram |  |
| namespace | http://www.w3.org/2000/09/xmldsig# |
| children | ds:P ds:Q ds:G ds:Y ds:J ds:Seed ds:PgenCounter |
| used by | element DSAKeyValue |
| source | <pre><xs:complexType name="DSAKeyValueObjectType"> <xs:sequence> <xs:sequence minOccurs="0"> <xs:element name="P" type="ds: CryptoBinary"/> <xs:element name="Q" type="ds: CryptoBinary"/> </xs:sequence> <xs:element name="G" type="ds: CryptoBinary" minOccurs="0"/> <xs:element name="Y" type="ds: CryptoBinary"/> <xs:element name="J" type="ds: CryptoBinary" minOccurs="0"/> <xs:sequence minOccurs="0"> <xs:element name="Seed" type="ds: CryptoBinary"/> <xs:element name="PgenCounter" type="ds: CryptoBinary"/> </xs:sequence> </xs:sequence> </xs:complexType></pre> |

element DSAKeyValueObjectType/P

| | |
|------------|---|
| diagram |  |
| namespace | http://www.w3.org/2000/09/xmldsig# |
| type | ds: CryptoBinary |
| properties | content simple |
| source | <pre><xs:element name="P" type="ds: CryptoBinary"/></pre> |

element DSAKeyValueType/Q

| | |
|------------|---|
| diagram |  |
| namespace | http://www.w3.org/2000/09/xmldsig# |
| type | ds: CryptoBinary |
| properties | content simple |
| source | <xs:element name="Q" type="ds: CryptoBinary"/> |

element DSAKeyValueType/G

| | |
|------------|---|
| diagram |  |
| namespace | http://www.w3.org/2000/09/xmldsig# |
| type | ds: CryptoBinary |
| properties | minOcc 0 maxOcc 1 content simple |
| source | <xs:element name="G" type="ds: CryptoBinary" minOccurs="0"/> |

element DSAKeyValueType/Y

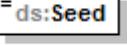
| | |
|------------|---|
| diagram |  |
| namespace | http://www.w3.org/2000/09/xmldsig# |
| type | ds: CryptoBinary |
| properties | content simple |
| source | <xs:element name="Y" type="ds: CryptoBinary"/> |

element DSAKeyValueType/J

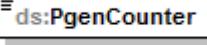
| | |
|-----------|---|
| diagram |  |
| namespace | http://www.w3.org/2000/09/xmldsig# |

| | |
|------------|---|
| type | ds: CryptoBinary |
| properties | minOcc 0 maxOcc 1 content simple |
| source | <code><xs:element name="J" type="ds: CryptoBinary" minOccurs="0"/></code> |

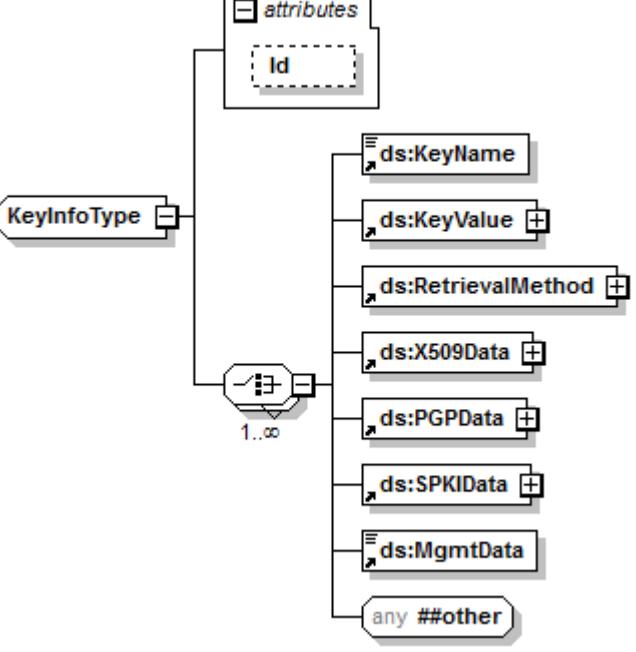
element DSAKeyValueType/Seed

| | |
|------------|--|
| diagram |  |
| namespace | http://www.w3.org/2000/09/xmldsig# |
| type | ds: CryptoBinary |
| properties | content simple |
| source | <code><xs:element name="Seed" type="ds: CryptoBinary"/></code> |

element DSAKeyValueType/PgenCounter

| | |
|------------|---|
| diagram |  |
| namespace | http://www.w3.org/2000/09/xmldsig# |
| type | ds: CryptoBinary |
| properties | content simple |
| source | <code><xs:element name="PgenCounter" type="ds: CryptoBinary"/></code> |

complexType KeyInfoType

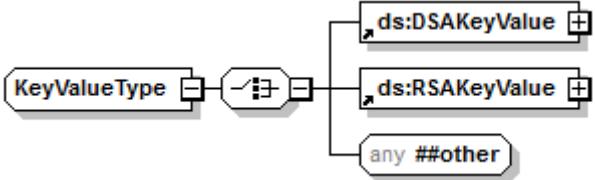
| diagram |  | | | | | | | | | | | | |
|--------------------|---|----------|---------|-------|------------|-------|------------|--------------------|-----------------------|----------|--|--|--|
| namespace | http://www.w3.org/2000/09/xmldsig# | | | | | | | | | | | | |
| properties | mixed true | | | | | | | | | | | | |
| children | ds:KeyName ds:KeyValue ds:RetrievalMethod ds:X509Data ds:PGPData ds:SPKIData ds:MgmtData | | | | | | | | | | | | |
| used by | element KeyInfo | | | | | | | | | | | | |
| attributes | <table border="1"> <thead> <tr> <th>Name</th><th>Type</th><th>Use</th><th>Default</th><th>Fixed</th><th>Annotation</th></tr> </thead> <tbody> <tr> <td>Id</td><td>xs:ID</td><td>optional</td><td></td><td></td><td></td></tr> </tbody> </table> | Name | Type | Use | Default | Fixed | Annotation | Id | xs:ID | optional | | | |
| Name | Type | Use | Default | Fixed | Annotation | | | | | | | | |
| Id | xs:ID | optional | | | | | | | | | | | |
| source | <pre> <xs:complexType name="KeyInfoType" mixed="true"> <xs:choice maxOccurs="unbounded"> <xs:element ref="ds:KeyName"/> <xs:element ref="ds:KeyValue"/> <xs:element ref="ds:RetrievalMethod"/> <xs:element ref="ds:X509Data"/> <xs:element ref="ds:PGPData"/> <xs:element ref="ds:SPKIData"/> <xs:element ref="ds:MgmtData"/> <xs:any namespace="##other" processContents="lax"/> <!-- (1,1) elements from (0,unbounded) namespaces --> </xs:choice> <xs:attribute name="Id" type="ID" use="optional"/> </xs:complexType></pre> | | | | | | | | | | | | |

attribute KeyInfoType/@Id

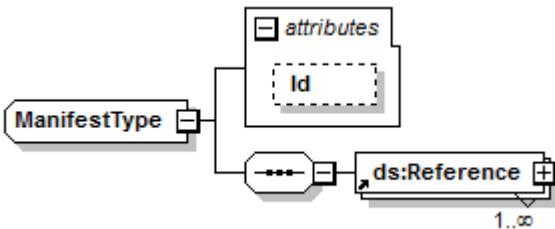
| | |
|------|-----------------------|
| type | xs:ID |
|------|-----------------------|

| | |
|------------|--|
| properties | use optional |
| source | <xs:attribute name="Id" type="ID" use="optional"/> |

complexType **KeyValue**

| | |
|------------|---|
| diagram |  |
| namespace | http://www.w3.org/2000/09/xmldsig# |
| properties | mixed true |
| children | ds:DSAKeyValue ds:RSAKeyValue |
| used by | element KeyValue |
| source | <pre><xs:complexType name="KeyValue" mixed="true"> <xs:choice> <xs:element ref="ds:DSAKeyValue"/> <xs:element ref="ds:RSAKeyValue"/> <xs:any namespace="##other" processContents="lax"/> </xs:choice> </xs:complexType></pre> |

complexType **Manifest**

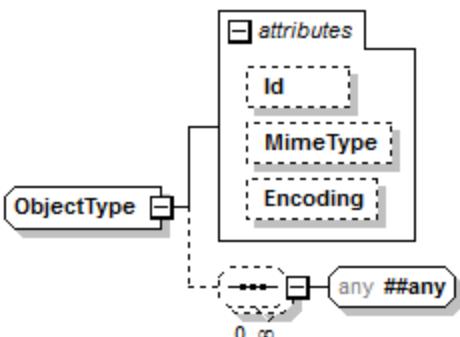
| diagram |  | | | | | | | | | | | | |
|--------------------|--|----------|---------|-------|------------|-------|------------|--------------------|-----------------------|----------|--|--|--|
| namespace | http://www.w3.org/2000/09/xmldsig# | | | | | | | | | | | | |
| children | ds:Reference | | | | | | | | | | | | |
| used by | element Manifest | | | | | | | | | | | | |
| attributes | <table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>Id</td> <td>xs:ID</td> <td>optional</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | Name | Type | Use | Default | Fixed | Annotation | Id | xs:ID | optional | | | |
| Name | Type | Use | Default | Fixed | Annotation | | | | | | | | |
| Id | xs:ID | optional | | | | | | | | | | | |
| source | <pre><xs:complexType name="Manifest"> <xs:sequence> <xs:element ref="ds:Reference" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType></pre> | | | | | | | | | | | | |

| | |
|--|--|
| | <pre></xs:sequence> <xs:attribute name="Id" type="ID" use="optional"/> </xs:complexType></pre> |
|--|--|

attribute **ManifestType/@Id**

| | |
|------------|---|
| type | xs:ID |
| properties | use optional |
| source | <xs:attribute name="Id" type="ID" use="optional"/> |

complexType **ObjectType**

| diagram |  | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------|---|----------|---------|-------|------------|-------|------------|--------------------|--------------|----------|--|--|--|--------------------------|------------------|----------|--|--|--|--------------------------|------------------|----------|--|--|--|
| namespace | http://www.w3.org/2000/09/xmldsig# | | | | | | | | | | | | | | | | | | | | | | | | |
| properties | mixed true | | | | | | | | | | | | | | | | | | | | | | | | |
| used by | element Object | | | | | | | | | | | | | | | | | | | | | | | | |
| attributes | <table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>Id</td> <td>xs:ID</td> <td>optional</td> <td></td> <td></td> <td></td> </tr> <tr> <td>MimeType</td> <td>xs:string</td> <td>optional</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Encoding</td> <td>xs:anyURI</td> <td>optional</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | Name | Type | Use | Default | Fixed | Annotation | Id | xs:ID | optional | | | | MimeType | xs:string | optional | | | | Encoding | xs:anyURI | optional | | | |
| Name | Type | Use | Default | Fixed | Annotation | | | | | | | | | | | | | | | | | | | | |
| Id | xs:ID | optional | | | | | | | | | | | | | | | | | | | | | | | |
| MimeType | xs:string | optional | | | | | | | | | | | | | | | | | | | | | | | |
| Encoding | xs:anyURI | optional | | | | | | | | | | | | | | | | | | | | | | | |
| source | <pre><xs:complexType name="ObjectType" mixed="true"> <xs:sequence minOccurs="0" maxOccurs="unbounded"> <xs:any namespace="##any" processContents="lax"/> </xs:sequence> <xs:attribute name="Id" type="ID" use="optional"/> <xs:attribute name="MimeType" type="string" use="optional"/> <xs:attribute name="Encoding" type="anyURI" use="optional"/> <!-- add a grep facet --&gt; &lt;/xs:complexType&gt;</pre> </pre> | | | | | | | | | | | | | | | | | | | | | | | | |

attribute **ObjectType/@Id**

| | |
|------------|--|
| type | xs:ID |
| properties | use optional |
| source | <xs:attribute name="Id" type="ID" use="optional"/> |

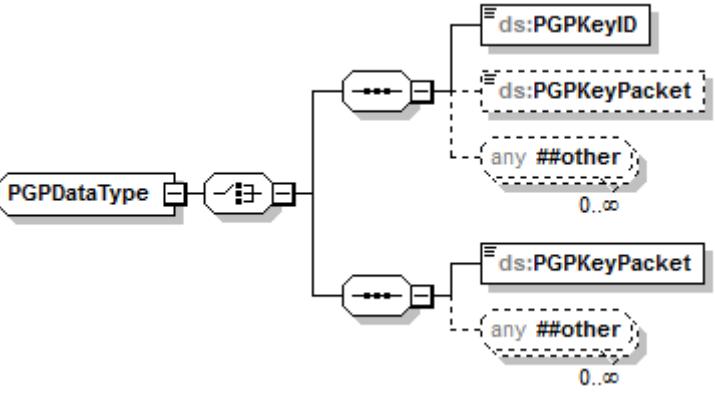
attribute **ObjectType/@MimeType**

| | |
|------------|--|
| type | xs:string |
| properties | use optional |
| source | <xs:attribute name="MimeType" type="string" use="optional"/> |

attribute **ObjectType/@Encoding**

| | |
|------------|--|
| type | xs:anyURI |
| properties | use optional |
| source | <xs:attribute name="Encoding" type="anyURI" use="optional"/> |

complexType **PGPDataType**

| | |
|-----------|---|
| diagram |  |
| namespace | http://www.w3.org/2000/09/xmldsig# |
| children | ds:PGPKeyID ds:PGPKeyPacket ds:PGPKeyPacket |
| used by | element PGPData |
| source | <xs:complexType name="PGPDataType"> <xs:choice> <xs:sequence> |

| | |
|--|--|
| | <pre> <xs:element name="PGPKeyID" type="base64Binary"/> <xs:element name="PGPKeyPacket" type="base64Binary" minOccurs="0"/> <xs:any namespace="#other" processContents="lax" minOccurs="0" maxOccurs="unbounded"/> </xs:sequence> <xs:sequence> <xs:element name="PGPKeyPacket" type="base64Binary"/> <xs:any namespace="#other" processContents="lax" minOccurs="0" maxOccurs="unbounded"/> </xs:sequence> </xs:choice> </xs:complexType></pre> |
|--|--|

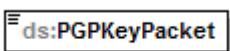
element PGPDataType/PGPKeyID

| | |
|------------|---|
| diagram |  |
| namespace | http://www.w3.org/2000/09/xmldsig# |
| type | xs:base64Binary |
| properties | content simple |
| source | <xs:element name="PGPKeyID" type="base64Binary"/> |

element PGPDataType/PGPKeyPacket

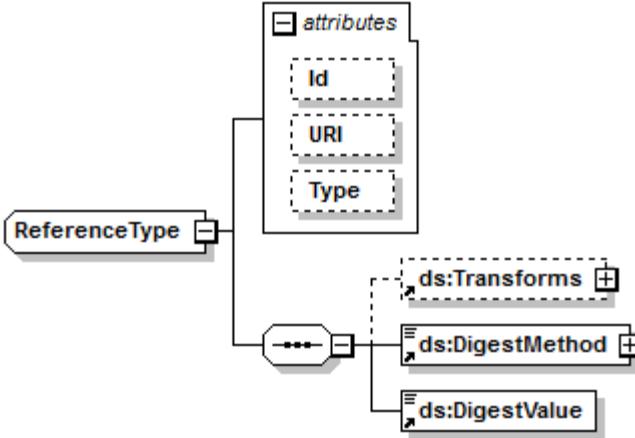
| | |
|------------|---|
| diagram |  |
| namespace | http://www.w3.org/2000/09/xmldsig# |
| type | xs:base64Binary |
| properties | minOcc 0 maxOcc 1 content simple |
| source | <xs:element name="PGPKeyPacket" type="base64Binary" minOccurs="0"/> |

element PGPDataType/PGPKeyPacket

| | |
|-----------|---|
| diagram |  |
| namespace | http://www.w3.org/2000/09/xmldsig# |

| | |
|------------|--|
| type | <code>xs:base64Binary</code> |
| properties | content simple |
| source | <code><xs:element name="PGPKeyPacket" type="base64Binary"/></code> |

complexType **ReferenceType**

| diagram |  <pre> classDiagram class ReferenceType { attribute Id attribute URI attribute Type } class dsTransforms class dsDigestMethod class dsDigestValue ReferenceType < -- dsTransforms ReferenceType < -- dsDigestMethod ReferenceType < -- dsDigestValue </pre> | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|--|----------|---------|-------|------------|-------|------------|--------------------|--------------------|----------|--|--|--|---------------------|------------------------|----------|--|--|--|----------------------|------------------------|----------|--|--|--|
| namespace | http://www.w3.org/2000/09/xmldsig# | | | | | | | | | | | | | | | | | | | | | | | | |
| children | ds:Transforms ds:DigestMethod ds:DigestValue | | | | | | | | | | | | | | | | | | | | | | | | |
| used by | element Reference | | | | | | | | | | | | | | | | | | | | | | | | |
| attributes | <table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>Id</td> <td><code>xs:ID</code></td> <td>optional</td> <td></td> <td></td> <td></td> </tr> <tr> <td>URI</td> <td><code>xs:anyURI</code></td> <td>optional</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Type</td> <td><code>xs:anyURI</code></td> <td>optional</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | Name | Type | Use | Default | Fixed | Annotation | Id | <code>xs:ID</code> | optional | | | | URI | <code>xs:anyURI</code> | optional | | | | Type | <code>xs:anyURI</code> | optional | | | |
| Name | Type | Use | Default | Fixed | Annotation | | | | | | | | | | | | | | | | | | | | |
| Id | <code>xs:ID</code> | optional | | | | | | | | | | | | | | | | | | | | | | | |
| URI | <code>xs:anyURI</code> | optional | | | | | | | | | | | | | | | | | | | | | | | |
| Type | <code>xs:anyURI</code> | optional | | | | | | | | | | | | | | | | | | | | | | | |
| source | <pre> <xs:complexType name="ReferenceType"> <xs:sequence> <xs:element ref="ds:Transforms" minOccurs="0"/> <xs:element ref="ds:DigestMethod"/> <xs:element ref="ds:DigestValue"/> </xs:sequence> <xs:attribute name="Id" type="ID" use="optional"/> <xs:attribute name="URI" type="anyURI" use="optional"/> <xs:attribute name="Type" type="anyURI" use="optional"/> </xs:complexType> </pre> | | | | | | | | | | | | | | | | | | | | | | | | |

attribute **ReferenceType/@Id**

| | |
|------|--------------------|
| type | <code>xs:ID</code> |
|------|--------------------|

| | |
|------------|--|
| properties | use optional |
| source | <xs:attribute name="Id" type="ID" use="optional"/> |

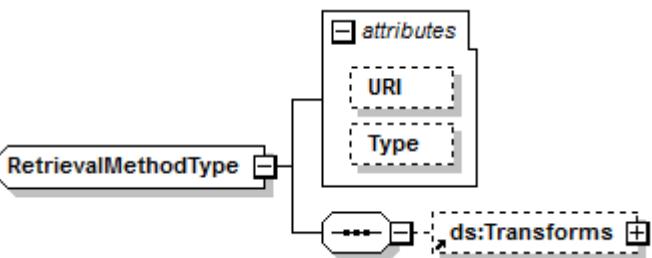
attribute **ReferenceType/@URI**

| | |
|------------|---|
| type | xs:anyURI |
| properties | use optional |
| source | <xs:attribute name="URI" type="anyURI" use="optional"/> |

attribute **ReferenceType/@Type**

| | |
|------------|--|
| type | xs:anyURI |
| properties | use optional |
| source | <xs:attribute name="Type" type="anyURI" use="optional"/> |

complexType **RetrievalMethodType**

| diagram |  | | | | | | | | | | | | | | | | | | |
|----------------------|---|----------|---------|-------|------------|-------|------------|---------------------|-----------|--|--|--|--|----------------------|-----------|----------|--|--|--|
| namespace | http://www.w3.org/2000/09/xmldsig# | | | | | | | | | | | | | | | | | | |
| children | ds:Transforms | | | | | | | | | | | | | | | | | | |
| used by | element RetrievalMethod | | | | | | | | | | | | | | | | | | |
| attributes | <table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>URI</td> <td>xs:anyURI</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Type</td> <td>xs:anyURI</td> <td>optional</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | Name | Type | Use | Default | Fixed | Annotation | URI | xs:anyURI | | | | | Type | xs:anyURI | optional | | | |
| Name | Type | Use | Default | Fixed | Annotation | | | | | | | | | | | | | | |
| URI | xs:anyURI | | | | | | | | | | | | | | | | | | |
| Type | xs:anyURI | optional | | | | | | | | | | | | | | | | | |
| source | <xs:complexType name="RetrievalMethodType"> <xs:sequence> <xs:element ref="ds:Transforms" minOccurs="0"/> </xs:sequence> <xs:attribute name="URI" type="anyURI"/> <xs:attribute name="Type" type="anyURI" use="optional"/> | | | | | | | | | | | | | | | | | | |

| | |
|--|-------------------|
| | </xs:complexType> |
|--|-------------------|

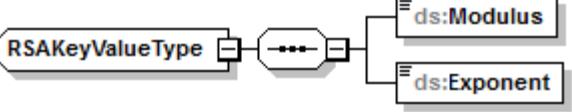
attribute RetrievalMethodType/@URI

| | |
|--------|--|
| type | xs:anyURI |
| source | <xs:attribute name="URI" type="anyURI"/> |

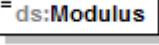
attribute RetrievalMethodType/@Type

| | |
|------------|--|
| type | xs:anyURI |
| properties | use optional |
| source | <xs:attribute name="Type" type="anyURI" use="optional"/> |

complexType RSAKeyValue

| | |
|-----------|--|
| diagram |  <pre> classDiagram RSAKeyValue < -- RSAKeyValue RSAKeyValue < -- Modulus RSAKeyValue < -- Exponent </pre> |
| namespace | http://www.w3.org/2000/09/xmldsig# |
| children | ds:Modulus ds:Exponent |
| used by | element RSAKeyValue |
| source | <xs:complexType name="RSAKeyValue"> <xs:sequence> <xs:element name="Modulus" type="ds: CryptoBinary" /> <xs:element name="Exponent" type="ds: CryptoBinary" /> </xs:sequence> </xs:complexType> |

element RSAKeyValue/Modulus

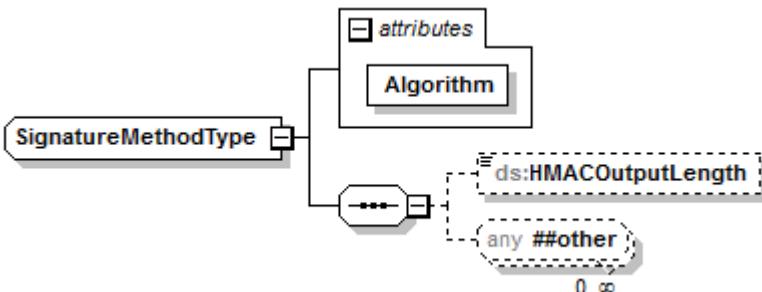
| | |
|------------|---|
| diagram |  |
| namespace | http://www.w3.org/2000/09/xmldsig# |
| type | ds: CryptoBinary |
| properties | content simple |

| | |
|--------|---|
| source | <code><xs:element name="Modulus" type="ds: CryptoBinary"/></code> |
|--------|---|

element RSAKeyValueType/Exponent

| | |
|------------|---|
| diagram |  |
| namespace | http://www.w3.org/2000/09/xmldsig# |
| type | ds: CryptoBinary |
| properties | content simple |
| source | <code><xs:element name="Exponent" type="ds: CryptoBinary"/></code> |

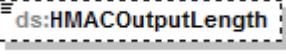
complexType SignatureMethodType

| diagram |  | | | | | | | | | | | | |
|---------------------------|---|----------|---------|-------|------------|-------|------------|---------------------------|---------------------------|----------|--|--|--|
| namespace | http://www.w3.org/2000/09/xmldsig# | | | | | | | | | | | | |
| properties | mixed true | | | | | | | | | | | | |
| children | ds: HMACOutputLength | | | | | | | | | | | | |
| used by | element SignatureMethod | | | | | | | | | | | | |
| attributes | <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>Algorithm</td> <td>xs:anyURI</td> <td>required</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | Name | Type | Use | Default | Fixed | Annotation | Algorithm | xs:anyURI | required | | | |
| Name | Type | Use | Default | Fixed | Annotation | | | | | | | | |
| Algorithm | xs:anyURI | required | | | | | | | | | | | |
| source | <pre> <xs:complexType name="SignatureMethodType" mixed="true"> <xs:sequence> <xs:element name="HMACOutputLength" type="ds:HMACOutputLengthType" minOccurs="0"/> <xs:any namespace="##other" minOccurs="0" maxOccurs="unbounded"/> <!-- (0,unbounded) elements from (1,1) external namespace --> </xs:sequence> <xs:attribute name="Algorithm" type="anyURI" use="required"/> </xs:complexType> </pre> | | | | | | | | | | | | |

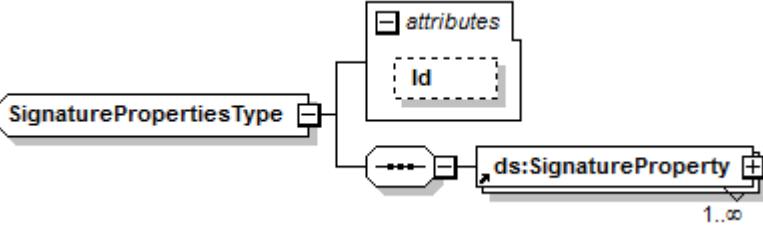
attribute SignatureMethodType/@Algorithm

| | |
|------------|---|
| type | xs:anyURI |
| properties | use required |
| source | <xs:attribute name="Algorithm" type="anyURI" use="required"/> |

element SignatureMethodType/HMACOutputLength

| | |
|------------|--|
| diagram |  |
| namespace | http://www.w3.org/2000/09/xmldsig# |
| type | ds:HMACOutputLengthType |
| properties | minOcc 0 maxOcc 1 content simple |
| source | <xs:element name="HMACOutputLength" type="ds:HMACOutputLengthType" minOccurs="0"/> |

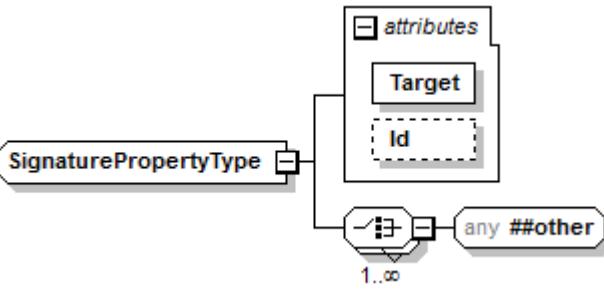
complexType SignaturePropertiesType

| diagram |  | | | | | | | | | | | | |
|------------|--|----------|---------|-------|------------|-------|------------|-----------|--------------|----------|--|--|--|
| namespace | http://www.w3.org/2000/09/xmldsig# | | | | | | | | | | | | |
| children | ds:SignatureProperty | | | | | | | | | | | | |
| used by | element SignatureProperties | | | | | | | | | | | | |
| attributes | <table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td><u>Id</u></td> <td>xs:ID</td> <td>optional</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | Name | Type | Use | Default | Fixed | Annotation | <u>Id</u> | xs:ID | optional | | | |
| Name | Type | Use | Default | Fixed | Annotation | | | | | | | | |
| <u>Id</u> | xs:ID | optional | | | | | | | | | | | |
| source | <xs:complexType name="SignaturePropertiesType"> <xs:sequence> <xs:element ref="ds:SignatureProperty" maxOccurs="unbounded"/> </xs:sequence> <xs:attribute name="Id" type="ID" use="optional"/> </xs:complexType> | | | | | | | | | | | | |

attribute **SignaturePropertiesType/@Id**

| | |
|------------|--|
| type | xs:ID |
| properties | use optional |
| source | <xs:attribute name="Id" type="ID" use="optional"/> |

complexType **SignaturePropertyType**

| diagram |  | | | | | | | | | | | | | | | | | | |
|------------------------|--|----------|---------|-------|------------|-------|------------|------------------------|-----------|----------|--|--|--|--------------------|-------|----------|--|--|--|
| namespace | http://www.w3.org/2000/09/xmldsig# | | | | | | | | | | | | | | | | | | |
| properties | mixed true | | | | | | | | | | | | | | | | | | |
| used by | element SignatureProperty | | | | | | | | | | | | | | | | | | |
| attributes | <table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>Target</td> <td>xs:anyURI</td> <td>required</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Id</td> <td>xs:ID</td> <td>optional</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | Name | Type | Use | Default | Fixed | Annotation | Target | xs:anyURI | required | | | | Id | xs:ID | optional | | | |
| Name | Type | Use | Default | Fixed | Annotation | | | | | | | | | | | | | | |
| Target | xs:anyURI | required | | | | | | | | | | | | | | | | | |
| Id | xs:ID | optional | | | | | | | | | | | | | | | | | |
| source | <pre><xs:complexType name="SignaturePropertyType" mixed="true"> <xs:choice maxOccurs="unbounded"> <xs:any namespace="##other" processContents="lax"/> <!-- (1,1) elements from (1,unbounded) namespaces --> </xs:choice> <xs:attribute name="Target" type="anyURI" use="required"/> <xs:attribute name="Id" type="ID" use="optional"/> </xs:complexType></pre> | | | | | | | | | | | | | | | | | | |

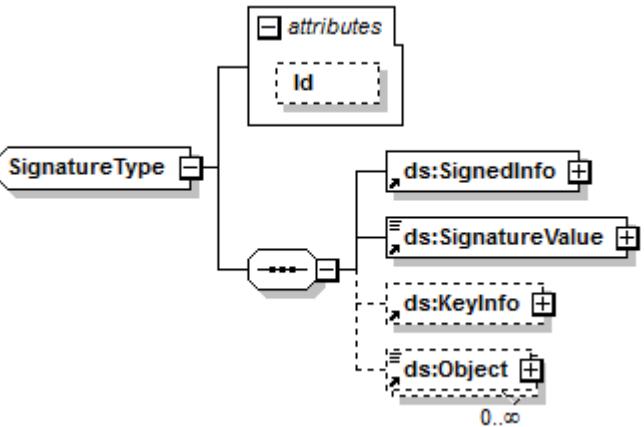
attribute **SignaturePropertyType/@Target**

| | |
|------------|--|
| type | xs:anyURI |
| properties | use required |
| source | <xs:attribute name="Target" type="anyURI" use="required"/> |

attribute **SignaturePropertyType/@Id**

| | |
|------------|--|
| type | xs:ID |
| properties | use optional |
| source | <xs:attribute name="Id" type="ID" use="optional"/> |

complexType **SignatureType**

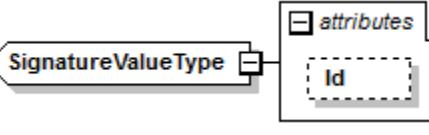
| diagram |  <pre> classDiagram class SignatureType { <<attributes>> <<Id>> <<ds:SignedInfo>> <<ds:SignatureValue>> <<ds:KeyInfo>> <<ds:Object>> } Id --> ds:SignedInfo ds:SignedInfo --> ds:SignatureValue ds:SignedInfo --> ds:KeyInfo ds:SignedInfo --> ds:Object </pre> | | | | | | | | | | | | |
|------------|--|----------|---------|-------|------------|-------|------------|-----------|--------------|----------|--|--|--|
| namespace | http://www.w3.org/2000/09/xmldsig# | | | | | | | | | | | | |
| children | ds:SignedInfo ds:SignatureValue ds:KeyInfo ds:Object | | | | | | | | | | | | |
| used by | elements Signature confirmaRequisicaoTIDs/Signature recuperaTIDs/Signature registraVenda/Signature recuperaDadosVenda/Signature confirmaCompra/Signature cancelaRequisicaoTIDs/Signature cancelaVenda/Signature registraEP/Signature recuperaStatusVenda/Signature requisitaTIDs/Signature | | | | | | | | | | | | |
| attributes | <table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td><u>Id</u></td> <td>xs:ID</td> <td>optional</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | Name | Type | Use | Default | Fixed | Annotation | <u>Id</u> | xs:ID | optional | | | |
| Name | Type | Use | Default | Fixed | Annotation | | | | | | | | |
| <u>Id</u> | xs:ID | optional | | | | | | | | | | | |
| source | <pre> <xs:complexType name="SignatureType"> <xs:sequence> <xs:element ref="ds:SignedInfo"/> <xs:element ref="ds:SignatureValue"/> <xs:element ref="ds:KeyInfo" minOccurs="0"/> <xs:element ref="ds:Object" minOccurs="0" maxOccurs="unbounded"/> </xs:sequence> <xs:attribute name="Id" type="ID" use="optional"/> </xs:complexType> </pre> | | | | | | | | | | | | |

attribute **SignatureType/@Id**

| | |
|------|--------------|
| type | xs:ID |
|------|--------------|

| | |
|------------|--|
| properties | use optional |
| source | <xs:attribute name="Id" type="ID" use="optional"/> |

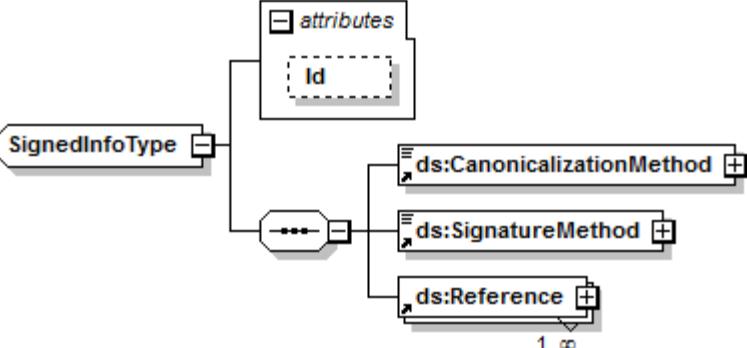
complexType **SignatureValueType**

| diagram |  | | | | | | | | | | | | |
|--------------------|--|----------|---------|-------|------------|-------|------------|--------------------|-----------------------|----------|--|--|--|
| namespace | http://www.w3.org/2000/09/xmldsig# | | | | | | | | | | | | |
| type | extension of xs:base64Binary | | | | | | | | | | | | |
| properties | base base64Binary | | | | | | | | | | | | |
| used by | element SignatureValue | | | | | | | | | | | | |
| attributes | <table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>Id</td> <td>xs:ID</td> <td>optional</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | Name | Type | Use | Default | Fixed | Annotation | Id | xs:ID | optional | | | |
| Name | Type | Use | Default | Fixed | Annotation | | | | | | | | |
| Id | xs:ID | optional | | | | | | | | | | | |
| source | <pre><xs:complexType name="SignatureValueType"> <xs:simpleContent> <xs:extension base="base64Binary"> <xs:attribute name="Id" type="ID" use="optional"/> </xs:extension> </xs:simpleContent> </xs:complexType></pre> | | | | | | | | | | | | |

attribute **SignatureValueType/@Id**

| | |
|------------|--|
| type | xs:ID |
| properties | use optional |
| source | <xs:attribute name="Id" type="ID" use="optional"/> |

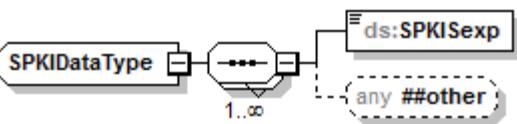
complexType SignedInfoType

| diagram |  <pre> graph LR SignedInfoType --> attributes[attributes] attributes --> Id[Id] SignedInfoType --> CanonicalizationMethod[ds:CanonicalizationMethod] SignedInfoType --> SignatureMethod[ds:SignatureMethod] CanonicalizationMethod --- Reference[ds:Reference] Reference -- "1..∞" --> Reference </pre> | | | | | | | | | | | | |
|--------------------|--|----------|---------|-------|------------|-------|------------|--------------------|-----------------------|----------|--|--|--|
| namespace | http://www.w3.org/2000/09/xmldsig# | | | | | | | | | | | | |
| children | ds:CanonicalizationMethod ds:SignatureMethod ds:Reference | | | | | | | | | | | | |
| used by | element SignedInfo | | | | | | | | | | | | |
| attributes | <table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>Id</td> <td>xs:ID</td> <td>optional</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | Name | Type | Use | Default | Fixed | Annotation | Id | xs:ID | optional | | | |
| Name | Type | Use | Default | Fixed | Annotation | | | | | | | | |
| Id | xs:ID | optional | | | | | | | | | | | |
| source | <pre> <xs:complexType name="SignedInfoType"> <xs:sequence> <xs:element ref="ds:CanonicalizationMethod"/> <xs:element ref="ds:SignatureMethod"/> <xs:element ref="ds:Reference" maxOccurs="unbounded"/> </xs:sequence> <xs:attribute name="Id" type="ID" use="optional"/> </xs:complexType> </pre> | | | | | | | | | | | | |

attribute SignedInfoType/@Id

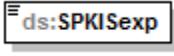
| | |
|------------|---|
| type | xs:ID |
| properties | use optional |
| source | <pre> <xs:attribute name="Id" type="ID" use="optional"/> </pre> |

complexType SPKIDataType

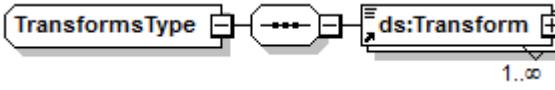
| | |
|-----------|---|
| diagram |  <pre> graph LR SPKIDataType --> SPKISexp[ds:SPKISexp] SPKIDataType --> any["any ##other"] SPKISexp -- "1..∞" --> SPKISexp </pre> |
| namespace | http://www.w3.org/2000/09/xmldsig# |
| children | ds:SPKISexp |
| used by | element SPKIData |

| | |
|--------|---|
| source | <pre><xs:complexType name="SPKIDDataType"> <xs:sequence maxOccurs="unbounded"> <xs:element name="SPKISexp" type="base64Binary"/> <xs:any namespace="##other" processContents="lax" minOccurs="0"/> </xs:sequence> </xs:complexType></pre> |
|--------|---|

element SPKIDDataType/SPKISexp

| | |
|------------|---|
| diagram |  |
| namespace | http://www.w3.org/2000/09/xmldsig# |
| type | xs:base64Binary |
| properties | content simple |
| source | <xs:element name="SPKISexp" type="base64Binary"/> |

complexType TransformsType

| | |
|-----------|---|
| diagram |  |
| namespace | http://www.w3.org/2000/09/xmldsig# |
| children | ds:Transform |
| used by | element Transforms |
| source | <pre><xs:complexType name="TransformsType"> <xs:sequence> <xs:element ref="ds:Transform" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType></pre> |

complexType TransformType

| diagram | | | | | | | | | | | | | |
|---------------------------|--|----------|---------|-------|------------|-------|------------|---------------------------|-----------|----------|--|--|--|
| namespace | http://www.w3.org/2000/09/xmldsig# | | | | | | | | | | | | |
| properties | mixed true | | | | | | | | | | | | |
| children | ds:XPath | | | | | | | | | | | | |
| used by | element Transform | | | | | | | | | | | | |
| attributes | <table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>Algorithm</td> <td>xs:anyURI</td> <td>required</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | Name | Type | Use | Default | Fixed | Annotation | Algorithm | xs:anyURI | required | | | |
| Name | Type | Use | Default | Fixed | Annotation | | | | | | | | |
| Algorithm | xs:anyURI | required | | | | | | | | | | | |
| source | <pre><xs:complexType name="TransformType" mixed="true"> <xs:choice minOccurs="0" maxOccurs="unbounded"> <xs:any namespace="##other" processContents="lax"/> <!-- (1,1) elements from (0,unbounded) namespaces --&gt; &lt;xs:element name="XPath" type="string"/&gt; &lt;/xs:choice&gt; &lt;xs:attribute name="Algorithm" type="anyURI" use="required"/&gt; &lt;/xs:complexType&gt;</pre> </pre> | | | | | | | | | | | | |

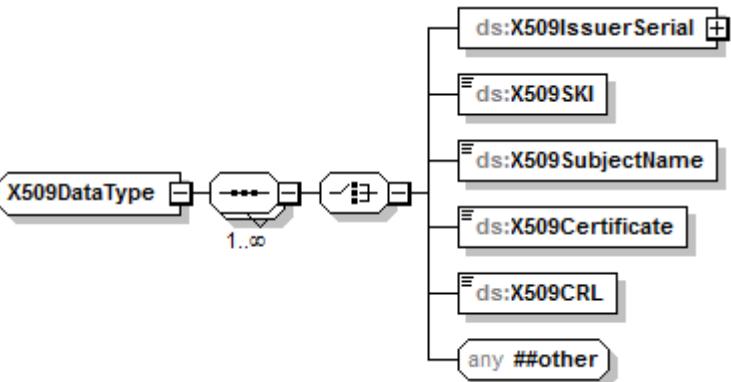
attribute TransformType/@Algorithm

| | |
|------------|--|
| type | xs:anyURI |
| properties | use required |
| source | <pre><xs:attribute name="Algorithm" type="anyURI" use="required"/></pre> |

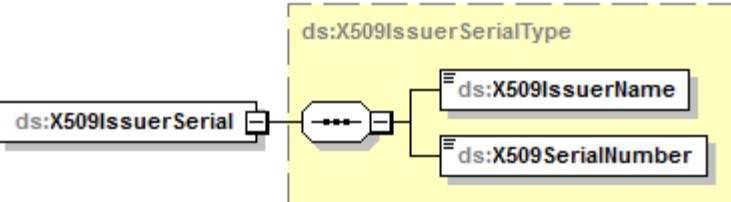
element TransformType/XPath

| | |
|------------|---|
| diagram | |
| namespace | http://www.w3.org/2000/09/xmldsig# |
| type | xs:string |
| properties | content simple |
| source | <pre><xs:element name="XPath" type="string"/></pre> |

complexType X509DataType

| | |
|-----------|--|
| diagram |  |
| namespace | http://www.w3.org/2000/09/xmldsig# |
| children | ds:X509IssuerSerial ds:X509SKI ds:X509SubjectName ds:X509Certificate ds:X509CRL |
| used by | element X509Data |
| source | <pre><xs:complexType name="X509DataType"> <xs:sequence maxOccurs="unbounded"> <xs:choice> <xs:element name="X509IssuerSerial" type="ds:X509IssuerSerialType"/> <xs:element name="X509SKI" type="base64Binary"/> <xs:element name="X509SubjectName" type="string"/> <xs:element name="X509Certificate" type="base64Binary"/> <xs:element name="X509CRL" type="base64Binary"/> <xs:any namespace="##other" processContents="lax"/> </xs:choice> </xs:sequence> </xs:complexType></pre> |

element X509DataType/X509IssuerSerial

| | |
|------------|---|
| diagram |  |
| namespace | http://www.w3.org/2000/09/xmldsig# |
| type | ds:X509IssuerSerialType |
| properties | content complex |
| children | ds:X509IssuerName ds:X509SerialNumber |
| source | <pre><xs:element name="X509IssuerSerial" type="ds:X509IssuerSerialType"/></pre> |

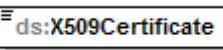
element X509DataType/X509SKI

| | |
|------------|--|
| diagram |  ds:X509SKI |
| namespace | http://www.w3.org/2000/09/xmldsig# |
| type | xs:base64Binary |
| properties | content simple |
| source | <xs:element name="X509SKI" type="base64Binary"/> |

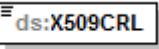
element X509DataType/X509SubjectName

| | |
|------------|--|
| diagram |  ds:X509SubjectName |
| namespace | http://www.w3.org/2000/09/xmldsig# |
| type | xs:string |
| properties | content simple |
| source | <xs:element name="X509SubjectName" type="string"/> |

element X509DataType/X509Certificate

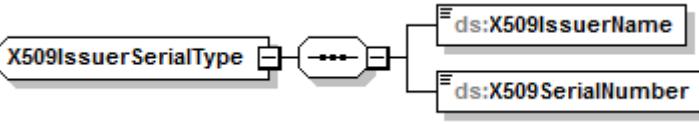
| | |
|------------|--|
| diagram |  ds:X509Certificate |
| namespace | http://www.w3.org/2000/09/xmldsig# |
| type | xs:base64Binary |
| properties | content simple |
| source | <xs:element name="X509Certificate" type="base64Binary"/> |

element X509DataType/X509CRL

| | |
|------------|--|
| diagram |  ds:X509CRL |
| namespace | http://www.w3.org/2000/09/xmldsig# |
| type | xs:base64Binary |
| properties | content simple |

| | |
|--------|---|
| source | <code><xs:element name="X509CRL" type="base64Binary"/></code> |
|--------|---|

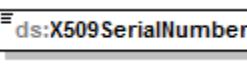
complexType X509IssuerSerialType

| | |
|-----------|---|
| diagram |  <pre> classDiagram class X509IssuerSerialType { ds:X509IssuerName ds:X509SerialNumber } </pre> |
| namespace | http://www.w3.org/2000/09/xmldsig# |
| children | ds:X509IssuerName ds:X509SerialNumber |
| used by | element X509DataType/X509IssuerSerial |
| source | <pre> <xs:complexType name="X509IssuerSerialType"> <xs:sequence> <xs:element name="X509IssuerName" type="string"/> <xs:element name="X509SerialNumber" type="integer"/> </xs:sequence> </xs:complexType> </pre> |

element X509IssuerSerialType/X509IssuerName

| | |
|------------|---|
| diagram |  <pre> attributeDiagram ds:X509IssuerName : xs:string </pre> |
| namespace | http://www.w3.org/2000/09/xmldsig# |
| type | xs:string |
| properties | content simple |
| source | <pre> <xs:element name="X509IssuerName" type="string"/> </pre> |

element X509IssuerSerialType/X509SerialNumber

| | |
|------------|--|
| diagram |  <pre> attributeDiagram ds:X509SerialNumber : xs:integer </pre> |
| namespace | http://www.w3.org/2000/09/xmldsig# |
| type | xs:integer |
| properties | content simple |
| source | <pre> <xs:element name="X509SerialNumber" type="integer"/> </pre> |

simpleType CryptoBinary

| | |
|------------|---|
| namespace | http://www.w3.org/2000/09/xmldsig# |
| type | xs:base64Binary |
| properties | base base64Binary |
| used by | elements RSAKeyValueType/Exponent DSAKeyValueType/G DSAKeyValueType/J RSAKeyValueType/Modulus DSAKeyValueType/P DSAKeyValueType/PgenCounter DSAKeyValueType/Q DSAKeyValueType/Seed DSAKeyValueType/Y |
| source | <pre><xs:simpleType name="CryptoBinary"> <xs:restriction base="base64Binary"/> </xs:simpleType></pre> |

simpleType DigestValueType

| | |
|------------|--|
| namespace | http://www.w3.org/2000/09/xmldsig# |
| type | xs:base64Binary |
| properties | base base64Binary |
| used by | element DigestValue |
| source | <pre><xs:simpleType name="DigestValueType"> <xs:restriction base="base64Binary"/> </xs:simpleType></pre> |

simpleType HMACOutputLengthType

| | |
|------------|--|
| namespace | http://www.w3.org/2000/09/xmldsig# |
| type | xs:integer |
| properties | base integer |
| used by | element SignatureMethodType/HMACOutputLength |
| source | <pre><xs:simpleType name="HMACOutputLengthType"> <xs:restriction base="integer"/> </xs:simpleType></pre> |

VERSAO PRELIMINAR

4.3 SCHEMA RELACIONADO AOS MÉTODOS DO IVC-E

Schema BackofficeBrasilIdIVCe.xsd

targetNamespace: <http://webservices.brasil-id.org.br/ivce/>

| Elements | Complex types | Simple types |
|---|---|--------------------------|
| cancelaIVCe | cancelaIVCe | wsResult |
| cancelaIVCeResponse | cancelaIVCeResponse | |
| decodificaIVCe | decodificaIVCe | |
| decodificaIVCeResponse | decodificaIVCeResponse | |
| inicializaIVCeTag | inicializaIVCeTag | |
| inicializaIVCeTagResponse | inicializaIVCeTagResponse | |
| passagem | passagem | |
| passagemResponse | passagemResponse | |
| recuperaStatusInicializacao | recuperaStatusInicializacao | |
| recuperaStatusInicializacaoResponse | recuperaStatusInicializacaoResponse | |
| vinculaIVCe | vinculaIVCe | |
| vinculaIVCeResponse | vinculaIVCeResponse | |
| | wsToken | |
| | wsVeiculo | |

schema location: <C:\Program Files\Altova\Common2013\Schemas\xmldsig\files\xmldsig-core-schema.xsd>

attributeFormDefault:

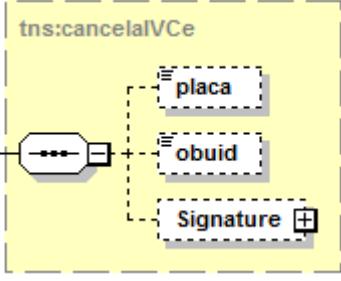
elementFormDefault: **qualified**

targetNamespace: <http://www.w3.org/2000/09/xmldsig#>

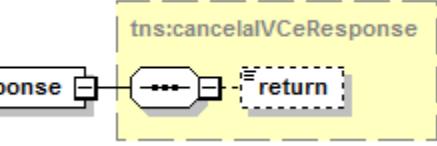
| Elements | Complex types | Simple types |
|--|--|--------------------------------------|
| CanonicalizationMethod | CanonicalizationMethodType | CryptoBinary |
| DigestMethod | DigestMethodType | DigestValueType |
| DigestValue | DSAKeyValue | HMACOutputLengthType |

| | |
|-------------------------------------|---|
| DSAKeyValue | KeyInfoType |
| KeyInfo | KeyValueType |
| KeyName | ManifestType |
| KeyValue | ObjectType |
| Manifest | PGPDataType |
| MqmtData | ReferenceType |
| Object | RetrievalMethodType |
| PGPData | RSAKeyValue-Type |
| Reference | SignatureMethodType |
| RetrievalMethod | SignaturePropertiesType |
| RSAKeyValue | SignaturePropertyType |
| Signature | SignatureType |
| SignatureMethod | SignatureValueType |
| SignatureProperties | SignedInfoType |
| SignatureProperty | SPKIDataType |
| SignatureValue | TransformsType |
| SignedInfo | TransformType |
| SPKIData | X509DataType |
| Transform | X509IssuerSerialType |
| Transforms | |
| X509Data | |

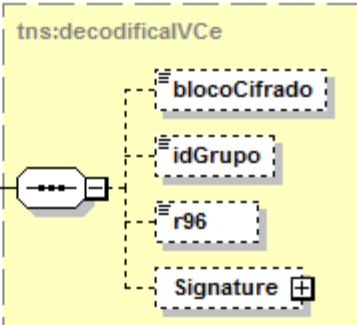
element cancelaIVCe

| | |
|------------|---|
| diagram |  |
| namespace | http://webservices.brasil-id.org.br/ivce/ |
| type | tns:cancelaIVCe |
| properties | content complex |
| children | placa obuid Signature |
| source | <xs:element name="cancelaIVCe" type="tns:cancelaIVCe"/> |

element cancelaIVCeResponse

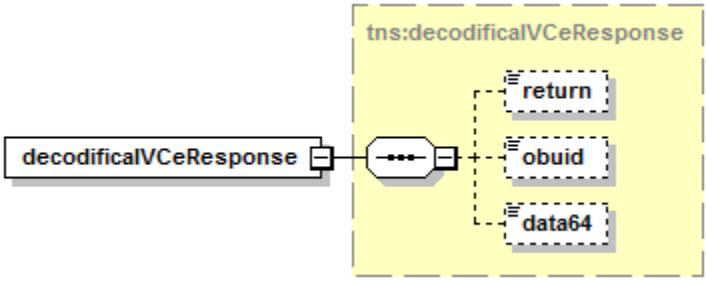
| | |
|------------|--|
| diagram |  |
| namespace | http://webservices.brasil-id.org.br/ivce/ |
| type | tns:cancelaIVCeResponse |
| properties | content complex |
| children | return |
| source | <xs:element name="cancelaIVCeResponse" type="tns:cancelaIVCeResponse"/> |

element decodificaIVCe

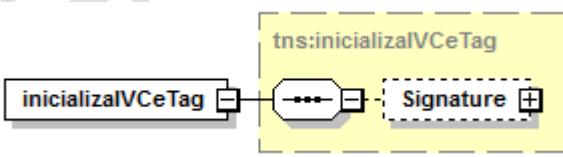
| | |
|---------|---|
| diagram |  |
|---------|---|

| | |
|------------|---|
| namespace | http://webservices.brasil-id.org.br/ivce/ |
| type | tns:decodificaVCE |
| properties | content complex |
| children | blocoCifrado idGrupo r96 Signature |
| source | <xs:element name="decodificaVCE" type="tns:decodificaVCE"/> |

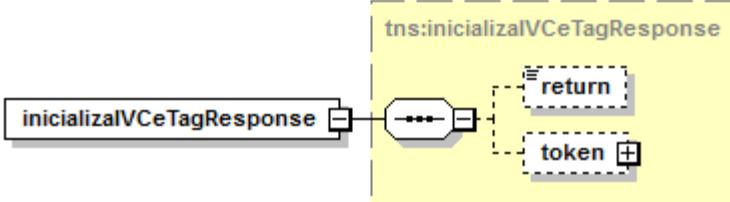
element decodificaVCEResponse

| | |
|------------|--|
| diagram |  |
| namespace | http://webservices.brasil-id.org.br/ivce/ |
| type | tns:decodificaVCEResponse |
| properties | content complex |
| children | return obuid data64 |
| source | <xs:element name="decodificaVCEResponse" type="tns:decodificaVCEResponse"/> |

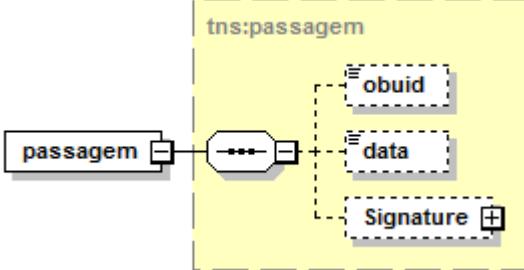
element inicializaVCETag

| | |
|------------|---|
| diagram |  |
| namespace | http://webservices.brasil-id.org.br/ivce/ |
| type | tns:inicializaVCETag |
| properties | content complex |
| children | Signature |
| source | <xs:element name="inicializaVCETag" type="tns:inicializaVCETag"/> |

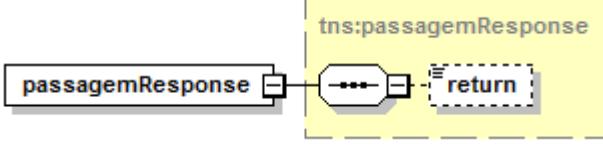
element inicializalVCEtagResponse

| | |
|------------|---|
| diagram |  |
| namespace | http://webservices.brasil-id.org.br/ivce/ |
| type | tns:inicializalVCEtagResponse |
| properties | content complex |
| children | return token |
| source | <xs:element name="inicializalVCEtagResponse" type="tns:inicializalVCEtagResponse"/> |

element passagem

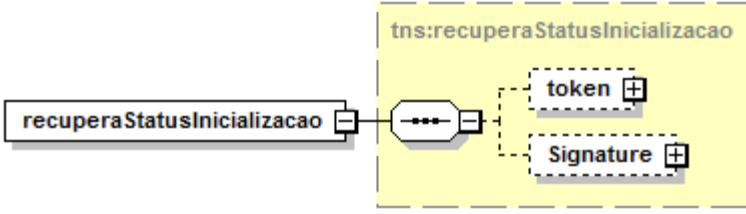
| | |
|------------|---|
| diagram |  |
| namespace | http://webservices.brasil-id.org.br/ivce/ |
| type | tns:passagem |
| properties | content complex |
| children | obuid data Signature |
| source | <xs:element name="passagem" type="tns:passagem"/> |

element passagemResponse

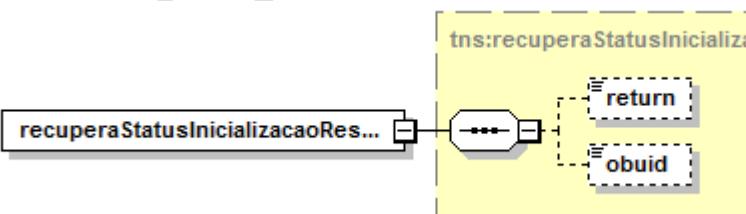
| | |
|-----------|--|
| diagram |  |
| namespace | http://webservices.brasil-id.org.br/ivce/ |
| type | tns:passagemResponse |

| | |
|------------|---|
| properties | content complex |
| children | return |
| source | <xs:element name="passagemResponse" type="tns:passagemResponse"/> |

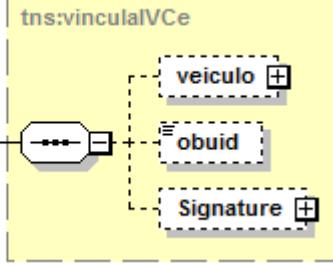
element recuperaStatusInicializacao

| | |
|------------|---|
| diagram |  |
| namespace | http://webservices.brasil-id.org.br/ivce/ |
| type | tns:recuperaStatusInicializacao |
| properties | content complex |
| children | token Signature |
| source | <xs:element name="recuperaStatusInicializacao" type="tns:recuperaStatusInicializacao"/> |

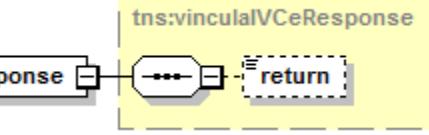
element recuperaStatusInicializacaoResponse

| | |
|------------|---|
| diagram |  |
| namespace | http://webservices.brasil-id.org.br/ivce/ |
| type | tns:recuperaStatusInicializacaoResponse |
| properties | content complex |
| children | return obuid |
| source | <xs:element name="recuperaStatusInicializacaoResponse" type="tns:recuperaStatusInicializacaoResponse"/> |

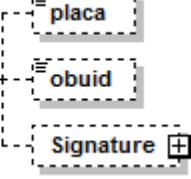
element vinculaIVCe

| | |
|------------|---|
| diagram |  |
| namespace | http://webservices.brasil-id.org.br/ivce/ |
| type | tns:vinculaIVCe |
| properties | content complex |
| children | veiculo obuid Signature |
| source | <code><xs:element name="vinculaIVCe" type="tns:vinculaIVCe"/></code> |

element vinculaIVCeResponse

| | |
|------------|---|
| diagram |  |
| namespace | http://webservices.brasil-id.org.br/ivce/ |
| type | tns:vinculaIVCeResponse |
| properties | content complex |
| children | return |
| source | <code><xs:element name="vinculaIVCeResponse" type="tns:vinculaIVCeResponse"/></code> |

complexType cancelaIVCe

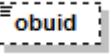
| | |
|-----------|---|
| diagram |  |
| namespace | http://webservices.brasil-id.org.br/ivce/ |
| children | placa obuid Signature |
| used by | element cancelaIVCe |

| | |
|--------|--|
| source | <pre><xs:complexType name="cancelaVCE"> <xs:sequence> <xs:element name="placa" type="xs:string" minOccurs="0"/> <xs:element name="obuid" type="xs:string" minOccurs="0"/> <xs:element name="Signature" type="ns1:SignatureType" minOccurs="0"/> </xs:sequence> </xs:complexType></pre> |
|--------|--|

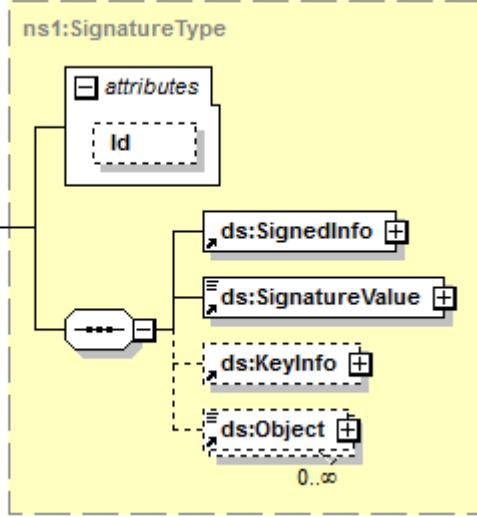
element cancelaVCE/placa

| | |
|------------|---|
| diagram |  |
| type | xs:string |
| properties | minOcc 0 maxOcc 1 content simple |
| source | <pre><xs:element name="placa" type="xs:string" minOccurs="0"/></pre> |

element cancelaVCE/obuid

| | |
|------------|---|
| diagram |  |
| type | xs:string |
| properties | minOcc 0 maxOcc 1 content simple |
| source | <pre><xs:element name="obuid" type="xs:string" minOccurs="0"/></pre> |

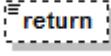
element cancelaIVCe/Signature

| diagram |  | | | | | | | | | | | | |
|--------------------|--|----------|---------|-------|------------|-------|------------|--------------------|-----------------------|----------|--|--|--|
| type | ds:SignatureType | | | | | | | | | | | | |
| properties | <p>minOcc 0</p> <p>maxOcc 1</p> <p>content complex</p> | | | | | | | | | | | | |
| children | ds:SignedInfo ds:SignatureValue ds:KeyInfo ds:Object | | | | | | | | | | | | |
| attributes | <table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>Id</td> <td>xs:ID</td> <td>optional</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | Name | Type | Use | Default | Fixed | Annotation | Id | xs:ID | optional | | | |
| Name | Type | Use | Default | Fixed | Annotation | | | | | | | | |
| Id | xs:ID | optional | | | | | | | | | | | |
| source | <code><xs:element name="Signature" type="ns1:SignatureType" minOccurs="0"/></code> | | | | | | | | | | | | |

complexType cancelaIVCeResponse

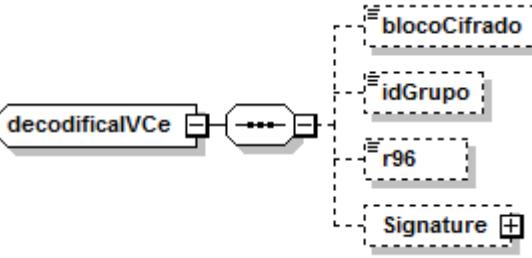
| | |
|-----------|---|
| diagram |  |
| namespace | http://webservices.brasil-id.org.br/ivce/ |
| children | return |
| used by | element cancelaIVCeResponse |
| source | <code><xs:complexType name="cancelaIVCeResponse"> <xs:sequence> <xs:element name="return" type="tns:wsResult" minOccurs="0"/> </xs:sequence> </xs:complexType></code> |

element cancelarVCEResponse/return

| diagram |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------|--|------------|-------|------------|-------------|--------|--|-------------|-----------------------------------|--|-------------|------------------|--|-------------|---------------------------|--|-------------|-------------------|--|-------------|--------------------------|--|-------------|----------------|--|-------------|---------------------|--|-------------|-------------------------|--|-------------|-----------------------------|--|-------------|-------------------------------|--|-------------|-------------------------------|--|-------------|---------------------------|--|-------------|--------------------------|--|-------------|-------------------------|--|-------------|-------------------------|--|-------------|-------------------------|--|-------------|----------------------------|--|-------------|-------------------------|--|-------------|--------------------------|--|-------------|--------------------|--|-------------|---------------------------------|--|--|
| type | tns:wsResult | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| properties | minOcc 0 maxOcc 1 content simple | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| facets | <table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>enumeration</td><td>SUCESO</td><td></td></tr> <tr> <td>enumeration</td><td>CHAMADA_ASSINCRONA_NAO_FINALIZADA</td><td></td></tr> <tr> <td>enumeration</td><td>ERRO_DECONHECIDO</td><td></td></tr> <tr> <td>enumeration</td><td>ERRO_PARAMETROS_INVALIDOS</td><td></td></tr> <tr> <td>enumeration</td><td>ERRO_NAO_APROVADO</td><td></td></tr> <tr> <td>enumeration</td><td>ERRO_ASSINATURA_INVALIDA</td><td></td></tr> <tr> <td>enumeration</td><td>ERRO_PERMISSAO</td><td></td></tr> <tr> <td>enumeration</td><td>ERRO_TOKEN_INVALIDO</td><td></td></tr> <tr> <td>enumeration</td><td>ERRO_TID_NAO_ENCONTRADO</td><td></td></tr> <tr> <td>enumeration</td><td>ERRO_FABRICA_NAO_ENCONTRADA</td><td></td></tr> <tr> <td>enumeration</td><td>ERRO_OPERADORA_NAO_ENCONTRADA</td><td></td></tr> <tr> <td>enumeration</td><td>ERRO_TID_NAO_PERTENCE_FABRICA</td><td></td></tr> <tr> <td>enumeration</td><td>ERRO_OBUID_NAO_ENCONTRADO</td><td></td></tr> <tr> <td>enumeration</td><td>ERRO_FALHA_GERACAO_OBUID</td><td></td></tr> <tr> <td>enumeration</td><td>ERRO_SLD_NAO_ENCONTRADO</td><td></td></tr> <tr> <td>enumeration</td><td>ERRO_CSS_NAO_ENCONTRADO</td><td></td></tr> <tr> <td>enumeration</td><td>ERRO_ECT_NAO_ENCONTRADO</td><td></td></tr> <tr> <td>enumeration</td><td>ERRO_FALHA_COMUNICACAO_ECT</td><td></td></tr> <tr> <td>enumeration</td><td>ERRO_FALHA_DE_DADOS_ECT</td><td></td></tr> <tr> <td>enumeration</td><td>ERRO_FALHA_VALIDACAO_ECT</td><td></td></tr> <tr> <td>enumeration</td><td>ERRO_TAG_UTILIZADA</td><td></td></tr> <tr> <td>enumeration</td><td>ERRO_TAG_JA_POSSEI_EP_ASSOCIADO</td><td></td></tr> </tbody> </table> | Kind | Value | Annotation | enumeration | SUCESO | | enumeration | CHAMADA_ASSINCRONA_NAO_FINALIZADA | | enumeration | ERRO_DECONHECIDO | | enumeration | ERRO_PARAMETROS_INVALIDOS | | enumeration | ERRO_NAO_APROVADO | | enumeration | ERRO_ASSINATURA_INVALIDA | | enumeration | ERRO_PERMISSAO | | enumeration | ERRO_TOKEN_INVALIDO | | enumeration | ERRO_TID_NAO_ENCONTRADO | | enumeration | ERRO_FABRICA_NAO_ENCONTRADA | | enumeration | ERRO_OPERADORA_NAO_ENCONTRADA | | enumeration | ERRO_TID_NAO_PERTENCE_FABRICA | | enumeration | ERRO_OBUID_NAO_ENCONTRADO | | enumeration | ERRO_FALHA_GERACAO_OBUID | | enumeration | ERRO_SLD_NAO_ENCONTRADO | | enumeration | ERRO_CSS_NAO_ENCONTRADO | | enumeration | ERRO_ECT_NAO_ENCONTRADO | | enumeration | ERRO_FALHA_COMUNICACAO_ECT | | enumeration | ERRO_FALHA_DE_DADOS_ECT | | enumeration | ERRO_FALHA_VALIDACAO_ECT | | enumeration | ERRO_TAG_UTILIZADA | | enumeration | ERRO_TAG_JA_POSSEI_EP_ASSOCIADO | | |
| Kind | Value | Annotation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | SUCESO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | CHAMADA_ASSINCRONA_NAO_FINALIZADA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_DECONHECIDO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_PARAMETROS_INVALIDOS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_NAO_APROVADO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_ASSINATURA_INVALIDA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_PERMISSAO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_TOKEN_INVALIDO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_TID_NAO_ENCONTRADO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_FABRICA_NAO_ENCONTRADA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_OPERADORA_NAO_ENCONTRADA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_TID_NAO_PERTENCE_FABRICA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_OBUID_NAO_ENCONTRADO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_FALHA_GERACAO_OBUID | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_SLD_NAO_ENCONTRADO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_CSS_NAO_ENCONTRADO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_ECT_NAO_ENCONTRADO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_FALHA_COMUNICACAO_ECT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_FALHA_DE_DADOS_ECT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_FALHA_VALIDACAO_ECT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_TAG_UTILIZADA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_TAG_JA_POSSEI_EP_ASSOCIADO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | |
|--------|---|
| | enumeration ERRO_LOTE_NAO_PERTENCE_OPERADORA enumeration ERRO_TAG_NAO_PODE_SER_VENDIDA enumeration ERRO_IVCE_NAO_ENCONTRADO enumeration ERRO_ASSOCIACAO_IVCE enumeration ERRO_VEICULO_JA_POSSEVE_IVCE enumeration ERRO_NAO_FOI_POSSIVEL_DECODIFICAR_A_MENSAGEM |
| source | <code><xs:element name="return" type="tns:wsResult" minOccurs="0"/></code> |

complexType decodificaIVCe

| | |
|-----------|---|
| diagram |  |
| namespace | http://webservices.brasil-id.org.br/ivce/ |
| children | blocoCifrado idGrupo r96 Signature |
| used by | element decodificaIVCe |
| source | <code><xs:complexType name="decodificaIVCe"> <xs:sequence> <xs:element name="blocoCifrado" type="xs:string" minOccurs="0"/> <xs:element name="idGrupo" type="xs:long" minOccurs="0"/> <xs:element name="r96" type="xs:string" minOccurs="0"/> <xs:element name="Signature" type="ns1:SignatureType" minOccurs="0"/> </xs:sequence> </xs:complexType></code> |

element decodificaIVCe/blocoCifrado

| | |
|------------|---|
| diagram |  |
| type | <code>xs:string</code> |
| properties | minOcc 0 maxOcc 1 |

| | |
|--------|--|
| | content simple |
| source | <xs:element name="blocoCifrado" type="xs:string" minOccurs="0"/> |

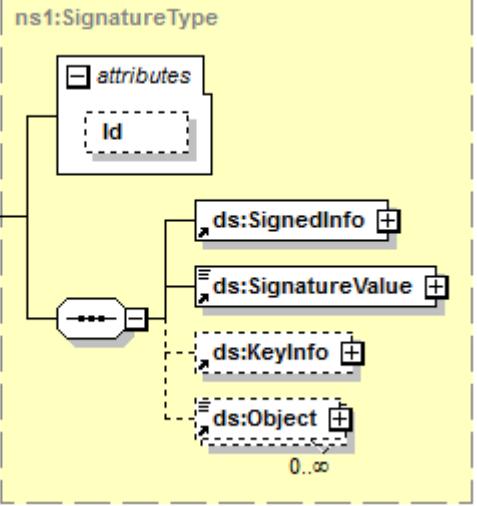
element decodificaIVCe/idGrupo

| | |
|------------|---|
| diagram |  |
| type | xs:long |
| properties | minOcc 0 maxOcc 1 content simple |
| source | <xs:element name="idGrupo" type="xs:long" minOccurs="0"/> |

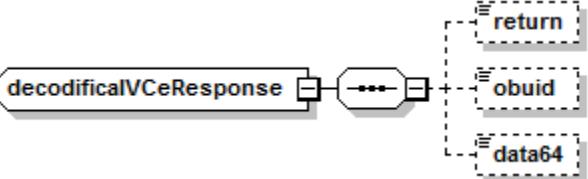
element decodificaIVCe/r96

| | |
|------------|---|
| diagram |  |
| type | xs:string |
| properties | minOcc 0 maxOcc 1 content simple |
| source | <xs:element name="r96" type="xs:string" minOccurs="0"/> |

element decodicalVCe/Signature

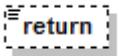
| diagram |  | | | | | | | | | | | | |
|--------------------|--|----------|---------|-------|------------|-------|------------|--------------------|-----------------------|----------|--|--|--|
| type | ds:SignatureType | | | | | | | | | | | | |
| properties | minOcc 0 maxOcc 1 content complex | | | | | | | | | | | | |
| children | ds:SignedInfo ds:SignatureValue ds:KeyInfo ds:Object | | | | | | | | | | | | |
| attributes | <table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>Id</td> <td>xs:ID</td> <td>optional</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | Name | Type | Use | Default | Fixed | Annotation | Id | xs:ID | optional | | | |
| Name | Type | Use | Default | Fixed | Annotation | | | | | | | | |
| Id | xs:ID | optional | | | | | | | | | | | |
| source | <code><xs:element name="Signature" type="ns1:SignatureType" minOccurs="0"/></code> | | | | | | | | | | | | |

complexType decodicalVCeResponse

| | |
|-----------|---|
| diagram |  |
| namespace | http://webservices.brasil-id.org.br/ivce/ |
| children | return obuid data64 |
| used by | element decodicalVCeResponse |
| source | <pre> <xs:complexType name="decodicalVCeResponse"> <xs:sequence> <xs:element name="return" type="tns:wsResult" minOccurs="0"/> <xs:element name="obuid" type="xs:long" minOccurs="0"/> <xs:element name="data64" type="xs:long" minOccurs="0"/> </xs:sequence> </pre> |

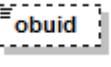
| | |
|--|--------------------------------------|
| | <code></xs:complexType></code> |
|--|--------------------------------------|

element decodificaIVCeResponse/return

| diagram |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------|--|------------|-------|------------|-------------|---------|--|-------------|-----------------------------------|--|-------------|-------------------|--|-------------|---------------------------|--|-------------|-------------------|--|-------------|--------------------------|--|-------------|----------------|--|-------------|---------------------|--|-------------|-------------------------|--|-------------|-----------------------------|--|-------------|-------------------------------|--|-------------|-------------------------------|--|-------------|---------------------------|--|-------------|--------------------------|--|-------------|-------------------------|--|-------------|-------------------------|--|-------------|-------------------------|--|-------------|----------------------------|--|-------------|-------------------------|--|
| type | tns:wsResult | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| properties | <p>minOcc 0</p> <p>maxOcc 1</p> <p>content simple</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| facets | <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; width: 30%;">Kind</th> <th style="text-align: left; width: 30%;">Value</th> <th style="text-align: right; width: 40%;">Annotation</th> </tr> </thead> <tbody> <tr> <td>enumeration</td> <td>SUCESSO</td> <td></td> </tr> <tr> <td>enumeration</td> <td>CHAMADA_ASSINCRONA_NAO_FINALIZADA</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ERRO_DESCONHECIDO</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ERRO_PARAMETROS_INVALIDOS</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ERRO_NAO_APROVADO</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ERRO_ASSINATURA_INVALIDA</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ERRO_PERMISSAO</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ERRO_TOKEN_INVALIDO</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ERRO_TID_NAO_ENCONTRADO</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ERRO_FABRICA_NAO_ENCONTRADA</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ERRO_OPERADORA_NAO_ENCONTRADA</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ERRO_TID_NAO_PERTENCE_FABRICA</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ERRO_OBUID_NAO_ENCONTRADO</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ERRO_FALHA_GERACAO_OBUID</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ERRO_SLD_NAO_ENCONTRADO</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ERRO_CSS_NAO_ENCONTRADO</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ERRO_ECT_NAO_ENCONTRADO</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ERRO_FALHA_COMUNICACAO_ECT</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ERRO_FALHA_DE_DADOS_ECT</td> <td></td> </tr> </tbody> </table> | Kind | Value | Annotation | enumeration | SUCESSO | | enumeration | CHAMADA_ASSINCRONA_NAO_FINALIZADA | | enumeration | ERRO_DESCONHECIDO | | enumeration | ERRO_PARAMETROS_INVALIDOS | | enumeration | ERRO_NAO_APROVADO | | enumeration | ERRO_ASSINATURA_INVALIDA | | enumeration | ERRO_PERMISSAO | | enumeration | ERRO_TOKEN_INVALIDO | | enumeration | ERRO_TID_NAO_ENCONTRADO | | enumeration | ERRO_FABRICA_NAO_ENCONTRADA | | enumeration | ERRO_OPERADORA_NAO_ENCONTRADA | | enumeration | ERRO_TID_NAO_PERTENCE_FABRICA | | enumeration | ERRO_OBUID_NAO_ENCONTRADO | | enumeration | ERRO_FALHA_GERACAO_OBUID | | enumeration | ERRO_SLD_NAO_ENCONTRADO | | enumeration | ERRO_CSS_NAO_ENCONTRADO | | enumeration | ERRO_ECT_NAO_ENCONTRADO | | enumeration | ERRO_FALHA_COMUNICACAO_ECT | | enumeration | ERRO_FALHA_DE_DADOS_ECT | |
| Kind | Value | Annotation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | SUCESSO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | CHAMADA_ASSINCRONA_NAO_FINALIZADA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_DESCONHECIDO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_PARAMETROS_INVALIDOS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_NAO_APROVADO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_ASSINATURA_INVALIDA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_PERMISSAO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_TOKEN_INVALIDO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_TID_NAO_ENCONTRADO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_FABRICA_NAO_ENCONTRADA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_OPERADORA_NAO_ENCONTRADA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_TID_NAO_PERTENCE_FABRICA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_OBUID_NAO_ENCONTRADO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_FALHA_GERACAO_OBUID | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_SLD_NAO_ENCONTRADO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_CSS_NAO_ENCONTRADO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_ECT_NAO_ENCONTRADO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_FALHA_COMUNICACAO_ECT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_FALHA_DE_DADOS_ECT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | |
|--------|---|
| | enumeration ERRO_FALHA_VALIDACAO_ECT enumeration ERRO_TAG_UTILIZADA enumeration ERRO_TAG_JA_POSSE_EP_ASSOCIADO enumeration ERRO_LOTE_NAO_PERTENCE_OPERADORA enumeration ERRO_TAG_NAO_PODE_SER_VENDIDA enumeration ERRO_IVCE_NAO_ENCONTRADO enumeration ERRO_ASSOCIACAO_IVCE enumeration ERRO_VEICULO_JA_POSSE_IVCE enumeration ERRO_NAO_FOI_POSSIVEL_DECODIFICAR_A_MENSAGEM |
| source | <xs:element name="return" type="tns:wsResult" minOccurs="0"/> |

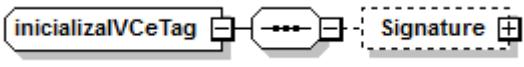
element decodificaIVCeResponse/obuid

| | |
|------------|---|
| diagram |  obuid |
| type | xs:long |
| properties | minOcc 0 maxOcc 1 content simple |
| source | <xs:element name="obuid" type="xs:long" minOccurs="0"/> |

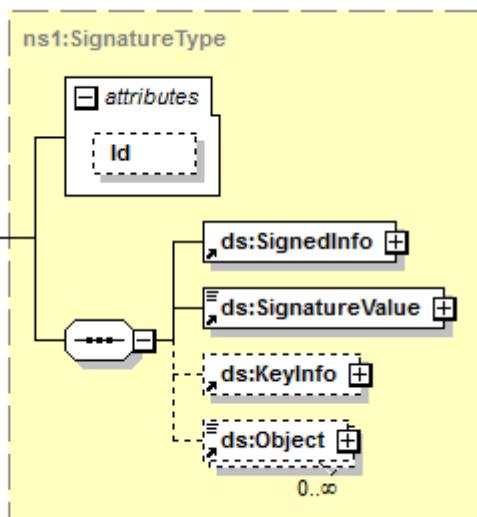
element decodificaIVCeResponse/data64

| | |
|------------|--|
| diagram |  data64 |
| type | xs:long |
| properties | minOcc 0 maxOcc 1 content simple |
| source | <xs:element name="data64" type="xs:long" minOccurs="0"/> |

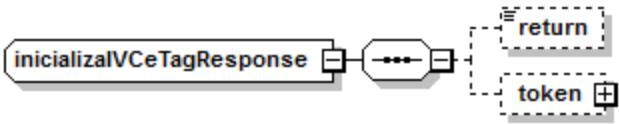
complexType **inicializaIVCeTag**

| | |
|-----------|---|
| diagram |  |
| namespace | http://webservices.brasil-id.org.br/ivce/ |
| children | Signature |
| used by | element inicializaIVCeTag |
| source | <pre><xs:complexType name="inicializaIVCeTag"> <xs:sequence> <xs:element name="Signature" type="ns1:SignatureType" minOccurs="0"/> </xs:sequence> </xs:complexType></pre> |

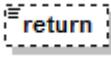
element **inicializaIVCeTag/Signature**

| diagram |  | | | | | | | | | | | | |
|--------------------|--|----------|---------|--------|------------|---------|------------|--------------------|-----------------------|----------|--|--|--|
| type | ds:SignatureType | | | | | | | | | | | | |
| properties | <table> <tr> <td>minOcc</td> <td>0</td> </tr> <tr> <td>maxOcc</td> <td>1</td> </tr> <tr> <td>content</td> <td>complex</td> </tr> </table> | minOcc | 0 | maxOcc | 1 | content | complex | | | | | | |
| minOcc | 0 | | | | | | | | | | | | |
| maxOcc | 1 | | | | | | | | | | | | |
| content | complex | | | | | | | | | | | | |
| children | ds:SignedInfo ds:SignatureValue ds:KeyInfo ds:Object | | | | | | | | | | | | |
| attributes | <table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>Id</td> <td>xs:ID</td> <td>optional</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | Name | Type | Use | Default | Fixed | Annotation | Id | xs:ID | optional | | | |
| Name | Type | Use | Default | Fixed | Annotation | | | | | | | | |
| Id | xs:ID | optional | | | | | | | | | | | |
| source | <pre><xs:element name="Signature" type="ns1:SignatureType" minOccurs="0"/></pre> | | | | | | | | | | | | |

complexType **inicializaVCEtagResponse**

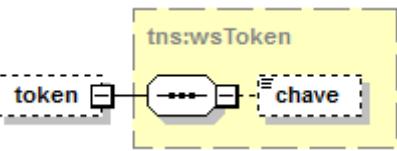
| | |
|-----------|--|
| diagram |  |
| namespace | http://webservices.brasil-id.org.br/ivce/ |
| children | return token |
| used by | element inicializaVCEtagResponse |
| source | <pre><xs:complexType name="inicializaVCEtagResponse"> <xs:sequence> <xs:element name="return" type="tns:wsResult" minOccurs="0"/> <xs:element name="token" type="tns:wsToken" minOccurs="0"/> </xs:sequence> </xs:complexType></pre> |

element **inicializaVCEtagResponse/return**

| diagram |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------|---|------------|-------|------------|-------------|---------|--------|-------------|-----------------------------------|--|-------------|------------------|--|-------------|---------------------------|--|-------------|-------------------|--|-------------|--------------------------|--|-------------|----------------|--|-------------|---------------------|--|-------------|-------------------------|--|-------------|-----------------------------|--|
| type | tns:wsResult | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| properties | <table> <tr> <td>minOcc</td> <td>0</td> </tr> <tr> <td>maxOcc</td> <td>1</td> </tr> <tr> <td>content</td> <td>simple</td> </tr> </table> | minOcc | 0 | maxOcc | 1 | content | simple | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| minOcc | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| maxOcc | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| content | simple | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| facets | <table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>enumeration</td> <td>SUCESSO</td> <td></td> </tr> <tr> <td>enumeration</td> <td>CHAMADA_ASSINCRONA_NAO_FINALIZADA</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ERRO_DECONHECIDO</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ERRO_PARAMETROS_INVALIDOS</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ERRO_NAO_APROVADO</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ERRO_ASSINATURA_INVALIDA</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ERRO_PERMISSAO</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ERRO_TOKEN_INVALIDO</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ERRO_TID_NAO_ENCONTRADO</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ERRO_FABRICA_NAO_ENCONTRADA</td> <td></td> </tr> </tbody> </table> | Kind | Value | Annotation | enumeration | SUCESSO | | enumeration | CHAMADA_ASSINCRONA_NAO_FINALIZADA | | enumeration | ERRO_DECONHECIDO | | enumeration | ERRO_PARAMETROS_INVALIDOS | | enumeration | ERRO_NAO_APROVADO | | enumeration | ERRO_ASSINATURA_INVALIDA | | enumeration | ERRO_PERMISSAO | | enumeration | ERRO_TOKEN_INVALIDO | | enumeration | ERRO_TID_NAO_ENCONTRADO | | enumeration | ERRO_FABRICA_NAO_ENCONTRADA | |
| Kind | Value | Annotation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | SUCESSO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | CHAMADA_ASSINCRONA_NAO_FINALIZADA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_DECONHECIDO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_PARAMETROS_INVALIDOS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_NAO_APROVADO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_ASSINATURA_INVALIDA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_PERMISSAO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_TOKEN_INVALIDO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_TID_NAO_ENCONTRADO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_FABRICA_NAO_ENCONTRADA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

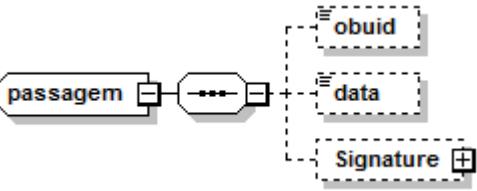
| | |
|--------|--|
| | enumeration ERRO_OPERADORA_NAO_ENCONTRADA enumeration ERRO_TID_NAO_PERTENCE_FABRICA enumeration ERRO_OBUID_NAO_ENCONTRADO enumeration ERRO_FALHA_GERACAO_OBUID enumeration ERRO_SLD_NAO_ENCONTRADO enumeration ERRO_CSS_NAO_ENCONTRADO enumeration ERRO_ECT_NAO_ENCONTRADO enumeration ERRO_FALHA_COMUNICACAO_ECT enumeration ERRO_FALHA_DE_DADOS_ECT enumeration ERRO_FALHA_VALIDACAO_ECT enumeration ERRO_TAG_UTILIZADA enumeration ERRO_TAG_JA_POSSEI_EP_ASSOCIADO enumeration ERRO_LOTE_NAO_PERTENCE_OPERADORA enumeration ERRO_TAG_NAO_PODE_SER_VENDIDA enumeration ERRO_IVCE_NAO_ENCONTRADO enumeration ERRO_ASSOCIACAO_IVCE enumeration ERRO_VEICULO_JA_POSSEI_IVCE enumeration ERRO_NAO_FOI POSSIVEL DECODIFICAR_A_MENSAGEM |
| source | <xs:element name="return" type="tns:wsResult" minOccurs="0"/> |

element inicializarVCEtagResponse/token

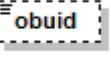
| | |
|------------|---|
| diagram |  |
| type | tns:wsToken |
| properties | minOcc 0 maxOcc 1 content complex |

| | |
|----------|---|
| children | chave |
| source | <xs:element name="token" type="tns:wsToken" minOccurs="0"/> |

complexType passagem

| | |
|-----------|---|
| diagram |  |
| namespace | http://webservices.brasil-id.org.br/ivce/ |
| children | obuid data Signature |
| used by | element passagem |
| source | <pre><xs:complexType name="passagem"> <xs:sequence> <xs:element name="obuid" type="xs:string" minOccurs="0"/> <xs:element name="data" type="xs:dateTime" minOccurs="0"/> <xs:element name="Signature" type="ns1:SignatureType" minOccurs="0"/> </xs:sequence> </xs:complexType></pre> |

element passagem/obuid

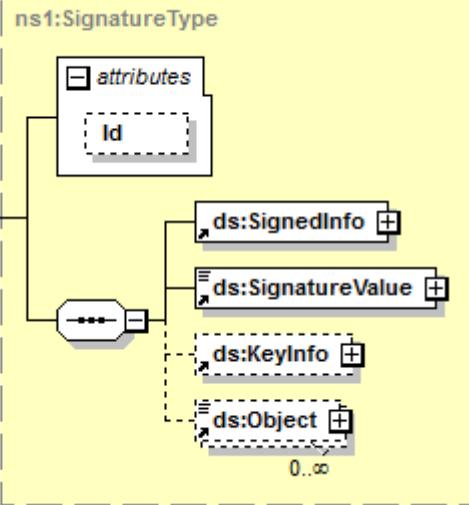
| | |
|------------|---|
| diagram |  |
| type | xs:string |
| properties | minOcc 0 maxOcc 1 content simple |
| source | <xs:element name="obuid" type="xs:string" minOccurs="0"/> |

element passagem/data

| | |
|---------|---|
| diagram |  |
| type | xs:dateTime |

| | |
|------------|--|
| properties | minOcc 0 maxOcc 1 content simple |
| source | <xs:element name="data" type="xs:dateTime" minOccurs="0"/> |

element passagem/Signature

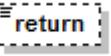
| diagram |  <pre> classDiagram class ns1::SignatureType { attribute Id association "Signature" --> ns1::SignatureType association "..." --> ds::SignedInfo association "..." --> ds::SignatureValue association "..." --> ds::KeyInfo association "..." --> ds::Object *{0..∞} } </pre> | | | | | | | | | | | | |
|--------------------|--|----------|---------|-------|------------|-------|------------|--------------------|-----------------------|----------|--|--|--|
| type | ds:SignatureType | | | | | | | | | | | | |
| properties | minOcc 0 maxOcc 1 content complex | | | | | | | | | | | | |
| children | ds:SignedInfo ds:SignatureValue ds:KeyInfo ds:Object | | | | | | | | | | | | |
| attributes | <table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>Id</td> <td>xs:ID</td> <td>optional</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | Name | Type | Use | Default | Fixed | Annotation | Id | xs:ID | optional | | | |
| Name | Type | Use | Default | Fixed | Annotation | | | | | | | | |
| Id | xs:ID | optional | | | | | | | | | | | |
| source | <xs:element name="Signature" type="ns1:SignatureType" minOccurs="0"/> | | | | | | | | | | | | |

complexType passagemResponse

| | |
|-----------|--|
| diagram |  <pre> sequenceDiagram participant PassagemResponse as passagemResponse participant Return as return PassagemResponse->>Return: return </pre> |
| namespace | http://webservices.brasil-id.org.br/ivce/ |
| children | return |
| used by | element passagemResponse |

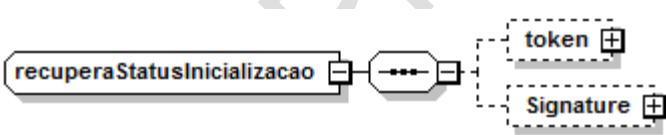
| | |
|--------|--|
| source | <pre><xs:complexType name="passagemResponse"> <xs:sequence> <xs:element name="return" type="tns:wsResult" minOccurs="0"/> </xs:sequence> </xs:complexType></pre> |
|--------|--|

element passagemResponse/return

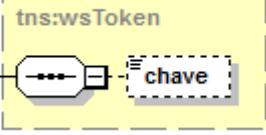
| diagram |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------|--|------------|------|-------|------------|-------------|---------|--|-------------|-----------------------------------|--|-------------|-------------------|--|-------------|---------------------------|--|-------------|-------------------|--|-------------|--------------------------|--|-------------|----------------|--|-------------|---------------------|--|-------------|-------------------------|--|-------------|-----------------------------|--|-------------|-------------------------------|--|-------------|-------------------------------|--|-------------|---------------------------|--|-------------|--------------------------|--|-------------|-------------------------|--|-------------|-------------------------|--|-------------|-------------------------|--|
| type | tns:wsResult | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| properties | minOcc 0 maxOcc 1 content simple | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| facets | <table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>enumeration</td> <td>SUCESSO</td> <td></td> </tr> <tr> <td>enumeration</td> <td>CHAMADA_ASSINCRONA_NAO_FINALIZADA</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ERRO_DESCONHECIDO</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ERRO_PARAMETROS_INVALIDOS</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ERRO_NAO_APROVADO</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ERRO_ASSINATURA_INVALIDA</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ERRO_PERMISSAO</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ERRO_TOKEN_INVALIDO</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ERRO_TID_NAO_ENCONTRADO</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ERRO_FABRICA_NAO_ENCONTRADA</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ERRO_OPERADORA_NAO_ENCONTRADA</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ERRO_TID_NAO_PERTENCE_FABRICA</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ERRO_OBUID_NAO_ENCONTRADO</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ERRO_FALHA_GERACAO_OBUID</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ERRO_SLD_NAO_ENCONTRADO</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ERRO_CSS_NAO_ENCONTRADO</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ERRO_ECT_NAO_ENCONTRADO</td> <td></td> </tr> </tbody> </table> | | Kind | Value | Annotation | enumeration | SUCESSO | | enumeration | CHAMADA_ASSINCRONA_NAO_FINALIZADA | | enumeration | ERRO_DESCONHECIDO | | enumeration | ERRO_PARAMETROS_INVALIDOS | | enumeration | ERRO_NAO_APROVADO | | enumeration | ERRO_ASSINATURA_INVALIDA | | enumeration | ERRO_PERMISSAO | | enumeration | ERRO_TOKEN_INVALIDO | | enumeration | ERRO_TID_NAO_ENCONTRADO | | enumeration | ERRO_FABRICA_NAO_ENCONTRADA | | enumeration | ERRO_OPERADORA_NAO_ENCONTRADA | | enumeration | ERRO_TID_NAO_PERTENCE_FABRICA | | enumeration | ERRO_OBUID_NAO_ENCONTRADO | | enumeration | ERRO_FALHA_GERACAO_OBUID | | enumeration | ERRO_SLD_NAO_ENCONTRADO | | enumeration | ERRO_CSS_NAO_ENCONTRADO | | enumeration | ERRO_ECT_NAO_ENCONTRADO | |
| Kind | Value | Annotation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | SUCESSO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | CHAMADA_ASSINCRONA_NAO_FINALIZADA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_DESCONHECIDO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_PARAMETROS_INVALIDOS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_NAO_APROVADO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_ASSINATURA_INVALIDA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_PERMISSAO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_TOKEN_INVALIDO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_TID_NAO_ENCONTRADO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_FABRICA_NAO_ENCONTRADA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_OPERADORA_NAO_ENCONTRADA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_TID_NAO_PERTENCE_FABRICA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_OBUID_NAO_ENCONTRADO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_FALHA_GERACAO_OBUID | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_SLD_NAO_ENCONTRADO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_CSS_NAO_ENCONTRADO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_ECT_NAO_ENCONTRADO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| | enumeration ERRO_FALHA_COMUNICACAO_ECT enumeration ERRO_FALHA_DE_DADOS_ECT enumeration ERRO_FALHA_VALIDACAO_ECT enumeration ERRO_TAG_UTILIZADA enumeration ERRO_TAG_JA_POSSEU_EP_ASSOCIADO enumeration ERRO_LOTE_NAO_PERTENCE_OPERADORA enumeration ERRO_TAG_NAO_PODE_SER_VENDIDA enumeration ERRO_IVCE_NAO_ENCONTRADO enumeration ERRO_ASSOCIACAO_IVCE enumeration ERRO_VEICULO_JA_POSSEU_IVCE enumeration ERRO_NAO_FOI_POSSIVEL_DECODIFICAR_A_MENSAGEM |
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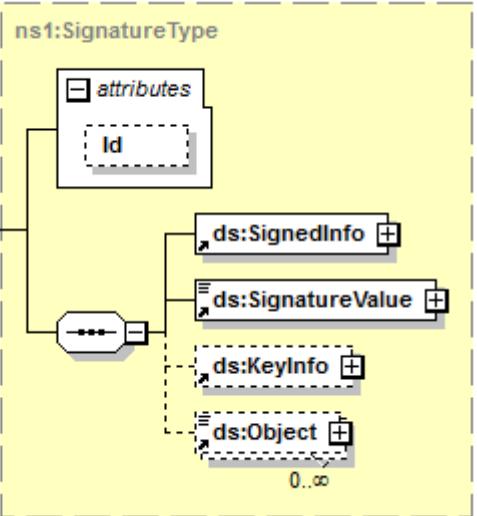
complexType recuperarStatusInicializacao

| | |
|-----------|--|
| diagram |  |
| namespace | http://webservices.brasil-id.org.br/ivce/ |
| children | token Signature |
| used by | element recuperarStatusInicializacao |
| source | <code><xs:complexType name="recuperarStatusInicializacao"></code> <code><xs:sequence></code> <code><xs:element name="token" type="tns:wsToken" minOccurs="0"/></code> <code><xs:element name="Signature" type="ns1:SignatureType" minOccurs="0"/></code> <code></xs:sequence></code> <code></xs:complexType></code> |

element recuperaStatusInicializacao/token

| | |
|------------|---|
| diagram |  |
| type | tns:wsToken |
| properties | minOcc 0 maxOcc 1 content complex |
| children | chave |
| source | <code><xs:element name="token" type="tns:wsToken" minOccurs="0"/></code> |

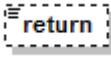
element recuperaStatusInicializacao/Signature

| diagram |  | | | | | | | | | | | | |
|--------------------|--|----------|---------|-------|------------|-------|------------|--------------------|-----------------------|----------|--|--|--|
| type | ds:SignatureType | | | | | | | | | | | | |
| properties | minOcc 0 maxOcc 1 content complex | | | | | | | | | | | | |
| children | ds:SignedInfo ds:SignatureValue ds:KeyInfo ds:Object | | | | | | | | | | | | |
| attributes | <table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>Id</td> <td>xs:ID</td> <td>optional</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | Name | Type | Use | Default | Fixed | Annotation | Id | xs:ID | optional | | | |
| Name | Type | Use | Default | Fixed | Annotation | | | | | | | | |
| Id | xs:ID | optional | | | | | | | | | | | |
| source | <code><xs:element name="Signature" type="ns1:SignatureType" minOccurs="0"/></code> | | | | | | | | | | | | |

complexType recuperarStatusInicializacaoResponse

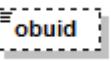
| | |
|-----------|--|
| diagram |  |
| namespace | http://webservices.brasil-id.org.br/ivce/ |
| children | return obuid |
| used by | element recuperarStatusInicializacaoResponse |
| source | <pre><xs:complexType name="recuperarStatusInicializacaoResponse"> <xs:sequence> <xs:element name="return" type="tns:wsResult" minOccurs="0"/> <xs:element name="obuid" type="xs:string" minOccurs="0"/> </xs:sequence> </xs:complexType></pre> |

element recuperarStatusInicializacaoResponse/return

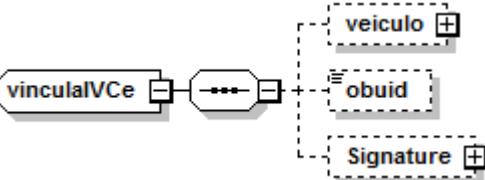
| diagram |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------|---|------------|-------|------------|-------------|---------|--------|-------------|-----------------------------------|--|-------------|------------------|--|-------------|---------------------------|--|-------------|-------------------|--|-------------|--------------------------|--|-------------|----------------|--|-------------|---------------------|--|-------------|-------------------------|--|-------------|-----------------------------|--|
| type | tns:wsResult | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| properties | <table> <tr> <td>minOcc</td> <td>0</td> </tr> <tr> <td>maxOcc</td> <td>1</td> </tr> <tr> <td>content</td> <td>simple</td> </tr> </table> | minOcc | 0 | maxOcc | 1 | content | simple | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| minOcc | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| maxOcc | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| content | simple | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| facets | <table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>enumeration</td> <td>SUCESSO</td> <td></td> </tr> <tr> <td>enumeration</td> <td>CHAMADA_ASSINCRONA_NAO_FINALIZADA</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ERRO_DECONHECIDO</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ERRO_PARAMETROS_INVALIDOS</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ERRO_NAO_APROVADO</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ERRO_ASSINATURA_INVALIDA</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ERRO_PERMISSAO</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ERRO_TOKEN_INVALIDO</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ERRO_TID_NAO_ENCONTRADO</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ERRO_FABRICA_NAO_ENCONTRADA</td> <td></td> </tr> </tbody> </table> | Kind | Value | Annotation | enumeration | SUCESSO | | enumeration | CHAMADA_ASSINCRONA_NAO_FINALIZADA | | enumeration | ERRO_DECONHECIDO | | enumeration | ERRO_PARAMETROS_INVALIDOS | | enumeration | ERRO_NAO_APROVADO | | enumeration | ERRO_ASSINATURA_INVALIDA | | enumeration | ERRO_PERMISSAO | | enumeration | ERRO_TOKEN_INVALIDO | | enumeration | ERRO_TID_NAO_ENCONTRADO | | enumeration | ERRO_FABRICA_NAO_ENCONTRADA | |
| Kind | Value | Annotation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | SUCESSO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | CHAMADA_ASSINCRONA_NAO_FINALIZADA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_DECONHECIDO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_PARAMETROS_INVALIDOS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_NAO_APROVADO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_ASSINATURA_INVALIDA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_PERMISSAO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_TOKEN_INVALIDO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_TID_NAO_ENCONTRADO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_FABRICA_NAO_ENCONTRADA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| | enumeration ERRO_OPERADORA_NAO_ENCONTRADA enumeration ERRO_TID_NAO_PERTENCE_FABRICA enumeration ERRO_OBUID_NAO_ENCONTRADO enumeration ERRO_FALHA_GERACAO_OBUID enumeration ERRO_SLD_NAO_ENCONTRADO enumeration ERRO_CSS_NAO_ENCONTRADO enumeration ERRO_ECT_NAO_ENCONTRADO enumeration ERRO_FALHA_COMUNICACAO_ECT enumeration ERRO_FALHA_DE_DADOS_ECT enumeration ERRO_FALHA_VALIDACAO_ECT enumeration ERRO_TAG_UTILIZADA enumeration ERRO_TAG_JA_POSSEI_EP_ASSOCIADO enumeration ERRO_LOTE_NAO_PERTENCE_OPERADORA enumeration ERRO_TAG_NAO_PODE_SER_VENDIDA enumeration ERRO_IVCE_NAO_ENCONTRADO enumeration ERRO_ASSOCIACAO_IVCE enumeration ERRO_VEICULO_JA_POSSEI_IVCE enumeration ERRO_NAO_FOI POSSIVEL DECODIFICAR_A_MENSAGEM |
| source | <xs:element name="return" type="tns:wsResult" minOccurs="0"/> |

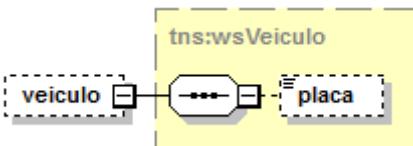
element recuperaStatusInicializacaoResponse/obuid

| | |
|------------|---|
| diagram |  |
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| properties | minOcc 0 maxOcc 1 content simple |
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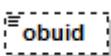
complexType vinculaVCE

| | |
|-----------|--|
| diagram |  |
| namespace | http://webservices.brasil-id.org.br/ivce/ |
| children | veiculo obuid Signature |
| used by | element vinculaVCE |
| source | <pre><xs:complexType name="vinculaVCE"> <xs:sequence> <xs:element name="veiculo" type="tns:wsVeiculo" minOccurs="0"/> <xs:element name="obuid" type="xs:string" minOccurs="0"/> <xs:element name="Signature" type="ns1:SignatureType" minOccurs="0"/> </xs:sequence> </xs:complexType></pre> |

element vinculaVCE/veiculo

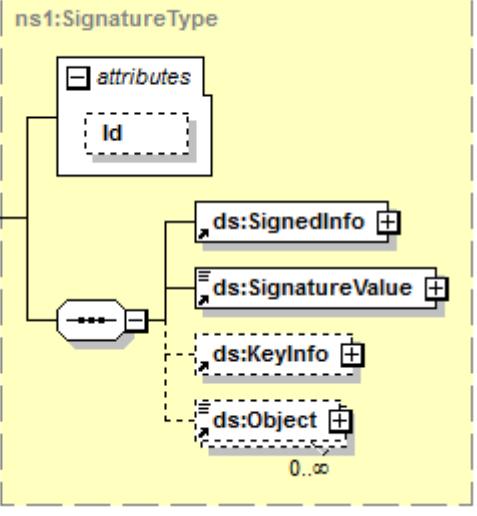
| | | | | | | | |
|------------|---|--------|---|--------|---|---------|---------|
| diagram |  | | | | | | |
| type | tns:wsVeiculo | | | | | | |
| properties | <table> <tr> <td>minOcc</td> <td>0</td> </tr> <tr> <td>maxOcc</td> <td>1</td> </tr> <tr> <td>content</td> <td>complex</td> </tr> </table> | minOcc | 0 | maxOcc | 1 | content | complex |
| minOcc | 0 | | | | | | |
| maxOcc | 1 | | | | | | |
| content | complex | | | | | | |
| children | placa | | | | | | |
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element vinculaVCE/obuid

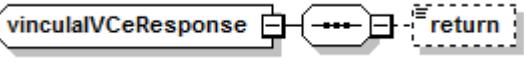
| | |
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| diagram |  |
| type | xs:string |

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| properties | minOcc 0 maxOcc 1 content simple |
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element vinculaVCE/Signature

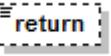
| diagram |  <pre> classDiagram class ns1::SignatureType { attribute Id association "Signature" --> ns1::SignatureType association "..." --> ds::SignedInfo association "..." --> ds::SignatureValue association "..." --> ds::KeyInfo association "..." --> ds::Object } </pre> | | | | | | | | | | | | |
|--------------------|--|----------|---------|-------|------------|-------|------------|--------------------|-----------------------|----------|--|--|--|
| type | ds:SignatureType | | | | | | | | | | | | |
| properties | minOcc 0 maxOcc 1 content complex | | | | | | | | | | | | |
| children | ds:SignedInfo ds:SignatureValue ds:KeyInfo ds:Object | | | | | | | | | | | | |
| attributes | <table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>Id</td> <td>xs:ID</td> <td>optional</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | Name | Type | Use | Default | Fixed | Annotation | Id | xs:ID | optional | | | |
| Name | Type | Use | Default | Fixed | Annotation | | | | | | | | |
| Id | xs:ID | optional | | | | | | | | | | | |
| source | <xs:element name="Signature" type="ns1:SignatureType" minOccurs="0"/> | | | | | | | | | | | | |

complexType vinculaVCEResponse

| | |
|-----------|--|
| diagram |  <pre> sequenceDiagram participant V as vinculaVCEResponse participant R as return V->>R: return </pre> |
| namespace | http://webservices.brasil-id.org.br/ivce/ |
| children | return |
| used by | element vinculaVCEResponse |

| | |
|--------|--|
| source | <pre><xs:complexType name="vinculaVCEResponse"> <xs:sequence> <xs:element name="return" type="tns:wsResult" minOccurs="0"/> </xs:sequence> </xs:complexType></pre> |
|--------|--|

element vinculaVCEResponse/return

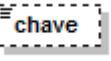
| diagram |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------|--|------------|------|-------|------------|-------------|---------|--|-------------|-----------------------------------|--|-------------|-------------------|--|-------------|---------------------------|--|-------------|-------------------|--|-------------|--------------------------|--|-------------|----------------|--|-------------|---------------------|--|-------------|-------------------------|--|-------------|-----------------------------|--|-------------|-------------------------------|--|-------------|-------------------------------|--|-------------|---------------------------|--|-------------|--------------------------|--|-------------|-------------------------|--|-------------|-------------------------|--|-------------|-------------------------|--|
| type | tns:wsResult | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| properties | minOcc 0 maxOcc 1 content simple | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| facets | <table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>enumeration</td> <td>SUCESSO</td> <td></td> </tr> <tr> <td>enumeration</td> <td>CHAMADA_ASSINCRONA_NAO_FINALIZADA</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ERRO_DESCONHECIDO</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ERRO_PARAMETROS_INVALIDOS</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ERRO_NAO_APROVADO</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ERRO_ASSINATURA_INVALIDA</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ERRO_PERMISSAO</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ERRO_TOKEN_INVALIDO</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ERRO_TID_NAO_ENCONTRADO</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ERRO_FABRICA_NAO_ENCONTRADA</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ERRO_OPERADORA_NAO_ENCONTRADA</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ERRO_TID_NAO_PERTENCE_FABRICA</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ERRO_OBUID_NAO_ENCONTRADO</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ERRO_FALHA_GERACAO_OBUID</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ERRO_SLD_NAO_ENCONTRADO</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ERRO_CSS_NAO_ENCONTRADO</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ERRO_ECT_NAO_ENCONTRADO</td> <td></td> </tr> </tbody> </table> | | Kind | Value | Annotation | enumeration | SUCESSO | | enumeration | CHAMADA_ASSINCRONA_NAO_FINALIZADA | | enumeration | ERRO_DESCONHECIDO | | enumeration | ERRO_PARAMETROS_INVALIDOS | | enumeration | ERRO_NAO_APROVADO | | enumeration | ERRO_ASSINATURA_INVALIDA | | enumeration | ERRO_PERMISSAO | | enumeration | ERRO_TOKEN_INVALIDO | | enumeration | ERRO_TID_NAO_ENCONTRADO | | enumeration | ERRO_FABRICA_NAO_ENCONTRADA | | enumeration | ERRO_OPERADORA_NAO_ENCONTRADA | | enumeration | ERRO_TID_NAO_PERTENCE_FABRICA | | enumeration | ERRO_OBUID_NAO_ENCONTRADO | | enumeration | ERRO_FALHA_GERACAO_OBUID | | enumeration | ERRO_SLD_NAO_ENCONTRADO | | enumeration | ERRO_CSS_NAO_ENCONTRADO | | enumeration | ERRO_ECT_NAO_ENCONTRADO | |
| Kind | Value | Annotation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | SUCESSO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | CHAMADA_ASSINCRONA_NAO_FINALIZADA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_DESCONHECIDO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_PARAMETROS_INVALIDOS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_NAO_APROVADO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_ASSINATURA_INVALIDA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_PERMISSAO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_TOKEN_INVALIDO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_TID_NAO_ENCONTRADO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_FABRICA_NAO_ENCONTRADA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_OPERADORA_NAO_ENCONTRADA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_TID_NAO_PERTENCE_FABRICA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_OBUID_NAO_ENCONTRADO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_FALHA_GERACAO_OBUID | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_SLD_NAO_ENCONTRADO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_CSS_NAO_ENCONTRADO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| enumeration | ERRO_ECT_NAO_ENCONTRADO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | |
|--------|--|
| | enumeration ERRO_FALHA_COMUNICACAO_ECT enumeration ERRO_FALHA_DE_DADOS_ECT enumeration ERRO_FALHA_VALIDACAO_ECT enumeration ERRO_TAG_UTILIZADA enumeration ERRO_TAG_JA_POSSEU_EP_ASSOCIADO enumeration ERRO_LOTE_NAO_PERTENCE_OPERADORA enumeration ERRO_TAG_NAO_PODE_SER_VENDIDA enumeration ERRO_IVCE_NAO_ENCONTRADO enumeration ERRO_ASSOCIACAO_IVCE enumeration ERRO_VEICULO_JA_POSSEU_IVCE enumeration ERRO_NAO_FOI_POSSIVEL_DECODIFICAR_A_MENSAGEM |
| source | <code><xs:element name="return" type="tns:wsResult" minOccurs="0"/></code> |

complexType wsToken

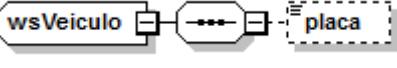
| | |
|-----------|---|
| diagram |  |
| namespace | http://webservices.brasil-id.org.br/ivce/ |
| children | chave |
| used by | elements recuperaStatusInicializacao/token_inicializarVCEtagResponse/token |
| source | <code><xs:complexType name="wsToken"> <xs:sequence> <xs:element name="chave" type="xs:string" minOccurs="0"/> </xs:sequence> </xs:complexType></code> |

element wsToken/chave

| | |
|------------|---|
| diagram |  |
| type | xs:string |
| properties | minOcc 0 maxOcc 1 |

| | |
|--------|---|
| | content simple |
| source | <xs:element name="chave" type="xs:string" minOccurs="0"/> |

complexType wsVeiculo

| | |
|-----------|--|
| diagram |  |
| namespace | http://webservices.brasil-id.org.br/ivce/ |
| children | placa |
| used by | element vinculaVCE/veiculo |
| source | <xs:complexType name="wsVeiculo"> <xs:sequence> <xs:element name="placa" type="xs:string" minOccurs="0"/> </xs:sequence> </xs:complexType> |

element wsVeiculo/placa

| | |
|------------|---|
| diagram |  |
| type | xs:string |
| properties | minOcc 0 maxOcc 1 content simple |
| source | <xs:element name="placa" type="xs:string" minOccurs="0"/> |

simpleType wsResult

| | |
|------------|--|
| namespace | http://webservices.brasil-id.org.br/ivce/ |
| type | restriction of xs:string |
| properties | base xs:string |
| used by | elements cancelaVCEResponse/return recuperaStatusInicializacaoResponse/return inicializaVCETagResponse/return decodificaVCEResponse/return vinculaVCEResponse/return passagemResponse/return |
| facets | Kind Value enumeration SUCESSO |

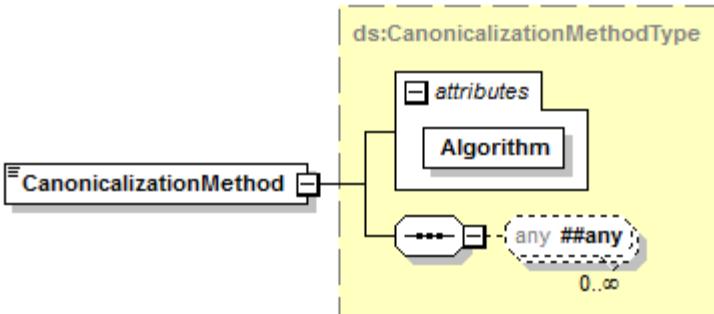
| | |
|--------|---|
| | enumeration CHAMADA_ASSINCRONA_NAO_FINALIZADA enumeration ERRO_DESCONHECIDO enumeration ERRO_PARAMETROS_INVALIDOS enumeration ERRO_NAO_APROVADO enumeration ERRO_ASSINATURA_INVALIDA enumeration ERRO_PERMISSAO enumeration ERRO_TOKEN_INVALIDO enumeration ERRO_TID_NAO_ENCONTRADO enumeration ERRO_FABRICA_NAO_ENCONTRADA enumeration ERRO_OPERADORA_NAO_ENCONTRADA enumeration ERRO_TID_NAO_PERTENCE_FABRICA enumeration ERRO_OBUID_NAO_ENCONTRADO enumeration ERRO_FALHA_GERACAO_OBUID enumeration ERRO_SLD_NAO_ENCONTRADO enumeration ERRO_CSS_NAO_ENCONTRADO enumeration ERRO_ECT_NAO_ENCONTRADO enumeration ERRO_FALHA_COMUNICACAO_ECT enumeration ERRO_FALHA_DE_DADOS_ECT enumeration ERRO_FALHA_VALIDACAO_ECT enumeration ERRO_TAG_UTILIZADA enumeration ERRO_TAG_JA_POSSEI_EP_ASSOCIADO enumeration ERRO_LOTE_NAO_PERTENCE_OPERADORA enumeration ERRO_TAG_NAO_PODE_SER_VENDIDA enumeration ERRO_IVCE_NAO_ENCONTRADO enumeration ERRO_ASSOCIACAO_IVCE enumeration ERRO_VEICULO_JA_POSSEI_IVCE enumeration ERRO_NAO_FOI_POSSIVEL_DECODIFICAR_A_MENSAGEM |
| source | <code><xs:simpleType name="wsResult"></code> <code><xs:restriction base="xs:string"></code> |

```

<xs:enumeration value="SUCESSO"/>
<xs:enumeration value="CHAMADA_ASSINCRONA_NAO_FINALIZADA"/>
<xs:enumeration value="ERRO_DESCONHECIDO"/>
<xs:enumeration value="ERRO_PARAMETROS_INVALIDOS"/>
<xs:enumeration value="ERRO_NAO_APROVADO"/>
<xs:enumeration value="ERRO_ASSINATURA_INVALIDA"/>
<xs:enumeration value="ERRO_PERMISSAO"/>
<xs:enumeration value="ERRO_TOKEN_INVALIDO"/>
<xs:enumeration value="ERRO_TID_NAO_ENCONTRADO"/>
<xs:enumeration value="ERRO_FABRICA_NAO_ENCONTRADA"/>
<xs:enumeration value="ERRO_OPERADORA_NAO_ENCONTRADA"/>
<xs:enumeration value="ERRO_TID_NAO_PERTENCE_FABRICA"/>
<xs:enumeration value="ERRO_OBUID_NAO_ENCONTRADO"/>
<xs:enumeration value="ERRO_FALHA_GERACAO_OBUID"/>
<xs:enumeration value="ERRO_SLD_NAO_ENCONTRADO"/>
<xs:enumeration value="ERRO_CSS_NAO_ENCONTRADO"/>
<xs:enumeration value="ERRO_ECT_NAO_ENCONTRADO"/>
<xs:enumeration value="ERRO_FALHA_COMUNICACAO_ECT"/>
<xs:enumeration value="ERRO_FALHA_DE_DADOS_ECT"/>
<xs:enumeration value="ERRO_FALHA_VALIDACAO_ECT"/>
<xs:enumeration value="ERRO_TAG_UTILIZADA"/>
<xs:enumeration value="ERRO_TAG_JA POSSUI_EP_ASSOCIADO"/>
<xs:enumeration value="ERRO_LOTE_NAO_PERTENCE_OPERADORA"/>
<xs:enumeration value="ERRO_TAG_NAO_PODE_SER_VENDIDA"/>
<xs:enumeration value="ERRO_IVCE_NAO_ENCONTRADO"/>
<xs:enumeration value="ERRO_ASSOCIACAO_IVCE"/>
<xs:enumeration value="ERRO_VEICULO_JA POSSUI_IVCE"/>
<xs:enumeration
  value="ERRO_NAO_FOI_POSSIVEL_DECODIFICAR_A_MENSAGEM"/>
</xs:restriction>
</xs:simpleType>

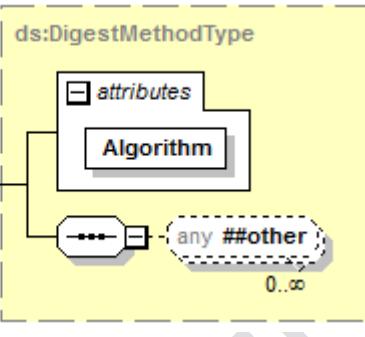
```

element CanonicalizationMethod

| | |
|------------|--|
| diagram |  |
| namespace | http://www.w3.org/2000/09/xmldsig# |
| type | ds:CanonicalizationMethodType |
| properties | content complex mixed true |
| used by | complexType SignedInfoType |

| attributes | Name | Type | Use | Default | Fixed | Annotation |
|------------|---|---------------------------|----------|---------|-------|------------|
| | Algorithm | xs:anyURI | required | | | |
| source | <code><xs:element name="CanonicalizationMethod" type="ds:CanonicalizationMethodType"/></code> | | | | | |

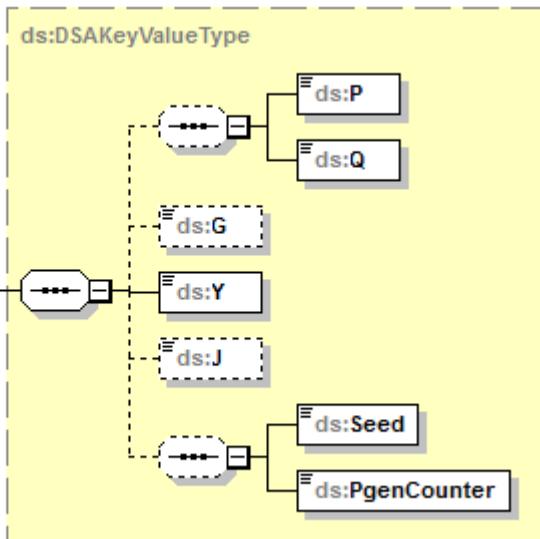
element DigestMethod

| diagram |  | | | | | |
|------------|---|---------------------------|----------|---------|-------|------------|
| namespace | http://www.w3.org/2000/09/xmldsig# | | | | | |
| type | ds:DigestMethodType | | | | | |
| properties | content complex mixed true | | | | | |
| used by | complexType ReferenceType | | | | | |
| attributes | Name | Type | Use | Default | Fixed | Annotation |
| | Algorithm | xs:anyURI | required | | | |
| source | <code><xs:element name="DigestMethod" type="ds:DigestMethodType"/></code> | | | | | |

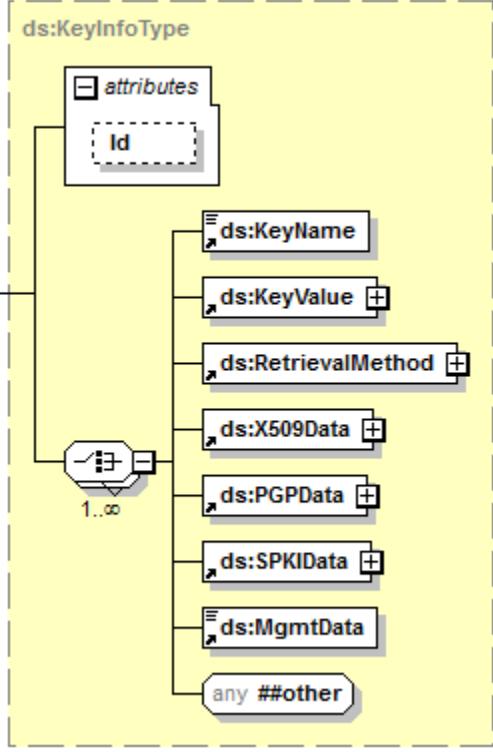
element DigestValue

| | | | | | | |
|------------|---|--|--|--|--|--|
| diagram |  | | | | | |
| namespace | http://www.w3.org/2000/09/xmldsig# | | | | | |
| type | ds:DigestValueType | | | | | |
| properties | content simple | | | | | |
| used by | complexType ReferenceType | | | | | |
| source | <code><xs:element name="DigestValue" type="ds:DigestValueType"/></code> | | | | | |

element DSAKeyValue

| | |
|------------|---|
| diagram |  |
| namespace | http://www.w3.org/2000/09/xmldsig# |
| type | ds:DSAKeyValue |
| properties | content complex |
| children | ds:P ds:Q ds:G ds:Y ds:J ds:Seed ds:PgenCounter |
| used by | complexType KeyValue |
| source | <code><xs:element name="DSAKeyValue" type="ds:DSAKeyValue"></code> |

element KeyInfo

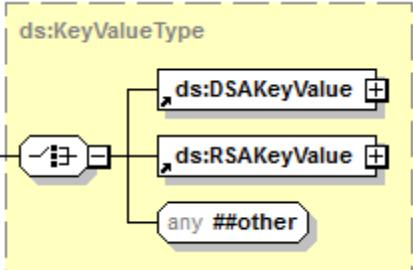
| diagram |  | | | | | | | | | | | | |
|--------------------|--|----------|---------|-------|------------|-------|------------|--------------------|-----------------------|----------|--|--|--|
| namespace | http://www.w3.org/2000/09/xmldsig# | | | | | | | | | | | | |
| type | ds:KeyInfoType | | | | | | | | | | | | |
| properties | content complex mixed true | | | | | | | | | | | | |
| children | ds:KeyName ds:KeyValue ds:RetrievalMethod ds:X509Data ds:PGPData ds:SPKIData ds:MgmtData | | | | | | | | | | | | |
| used by | complexType SignatureType | | | | | | | | | | | | |
| attributes | <table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>Id</td> <td>xs:ID</td> <td>optional</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | Name | Type | Use | Default | Fixed | Annotation | Id | xs:ID | optional | | | |
| Name | Type | Use | Default | Fixed | Annotation | | | | | | | | |
| Id | xs:ID | optional | | | | | | | | | | | |
| source | <code><xs:element name="KeyInfo" type="ds:KeyInfoType"/></code> | | | | | | | | | | | | |

element KeyName

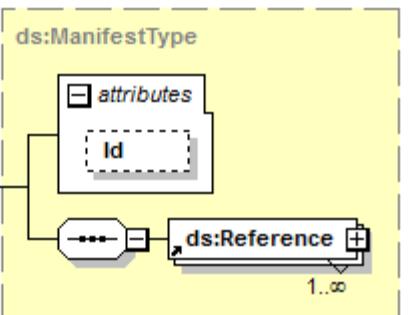
| | |
|------------|---|
| diagram |  |
| namespace | http://www.w3.org/2000/09/xmldsig# |
| type | xs:string |
| properties | content simple |
| used by | complexType KeyInfoType |

| | |
|--------|---|
| source | <code><xs:element name="KeyName" type="string"/></code> |
|--------|---|

element KeyValue

| | |
|------------|---|
| diagram |  |
| namespace | http://www.w3.org/2000/09/xmldsig# |
| type | ds:KeyValueType |
| properties | content complex mixed true |
| children | ds:DSAKeyValue ds:RSAKeyValue |
| used by | complexType KeyInfoType |
| source | <code><xs:element name="KeyValue" type="ds:KeyValueType"/></code> |

element Manifest

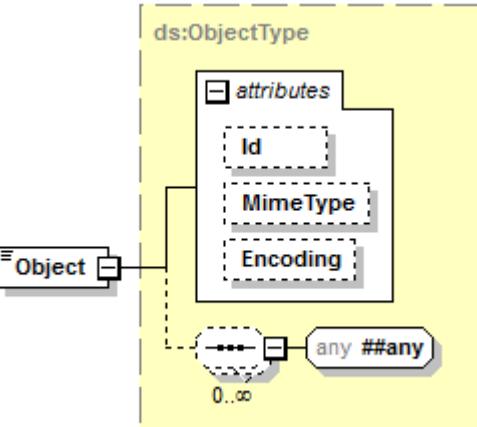
| diagram |  | | | | | | | | | | | | |
|--------------------|--|----------|---------|-------|------------|-------|------------|--------------------|-----------------------|----------|--|--|--|
| namespace | http://www.w3.org/2000/09/xmldsig# | | | | | | | | | | | | |
| type | ds:ManifestType | | | | | | | | | | | | |
| properties | content complex | | | | | | | | | | | | |
| children | ds:Reference | | | | | | | | | | | | |
| attributes | <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>Id</td> <td>xs:ID</td> <td>optional</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | Name | Type | Use | Default | Fixed | Annotation | Id | xs:ID | optional | | | |
| Name | Type | Use | Default | Fixed | Annotation | | | | | | | | |
| Id | xs:ID | optional | | | | | | | | | | | |

| | |
|--------|---|
| source | <code><xs:element name="Manifest" type="ds:ManifestType"/></code> |
|--------|---|

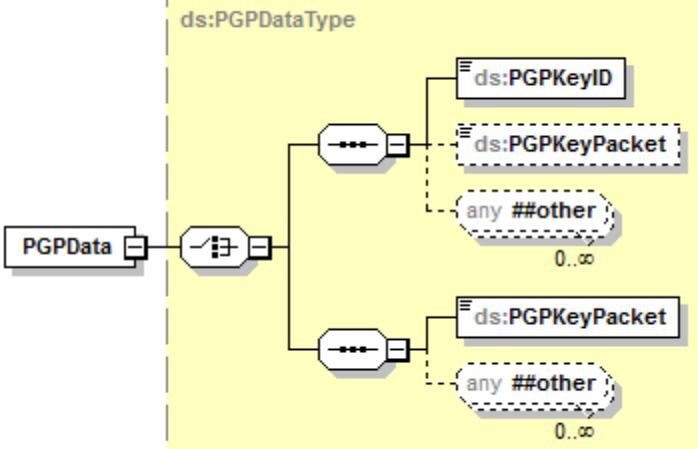
element MgmtData

| | |
|------------|---|
| diagram |  |
| namespace | http://www.w3.org/2000/09/xmldsig# |
| type | xs:string |
| properties | content simple |
| used by | complexType KeyInfoType |
| source | <code><xs:element name="MgmtData" type="string"/></code> |

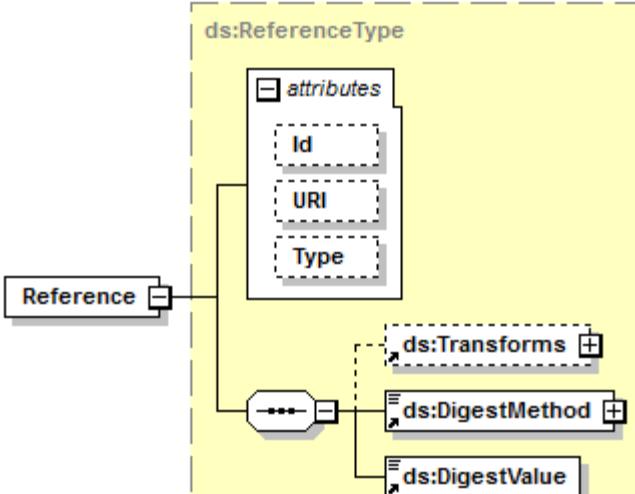
element Object

| diagram |  | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------|---|----------|---------|-------|------------|-------|------------|--------------------|--------------|----------|--|--|--|--------------------------|------------------|----------|--|--|--|--------------------------|------------------|----------|--|--|--|
| namespace | http://www.w3.org/2000/09/xmldsig# | | | | | | | | | | | | | | | | | | | | | | | | |
| type | ds:ObjectType | | | | | | | | | | | | | | | | | | | | | | | | |
| properties | content complex mixed true | | | | | | | | | | | | | | | | | | | | | | | | |
| used by | complexType SignatureType | | | | | | | | | | | | | | | | | | | | | | | | |
| attributes | <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>Id</td> <td>xs:ID</td> <td>optional</td> <td></td> <td></td> <td></td> </tr> <tr> <td>MimeType</td> <td>xs:string</td> <td>optional</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Encoding</td> <td>xs:anyURI</td> <td>optional</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | Name | Type | Use | Default | Fixed | Annotation | Id | xs:ID | optional | | | | MimeType | xs:string | optional | | | | Encoding | xs:anyURI | optional | | | |
| Name | Type | Use | Default | Fixed | Annotation | | | | | | | | | | | | | | | | | | | | |
| Id | xs:ID | optional | | | | | | | | | | | | | | | | | | | | | | | |
| MimeType | xs:string | optional | | | | | | | | | | | | | | | | | | | | | | | |
| Encoding | xs:anyURI | optional | | | | | | | | | | | | | | | | | | | | | | | |
| source | <code><xs:element name="Object" type="ds:ObjectType"/></code> | | | | | | | | | | | | | | | | | | | | | | | | |

element PGPData

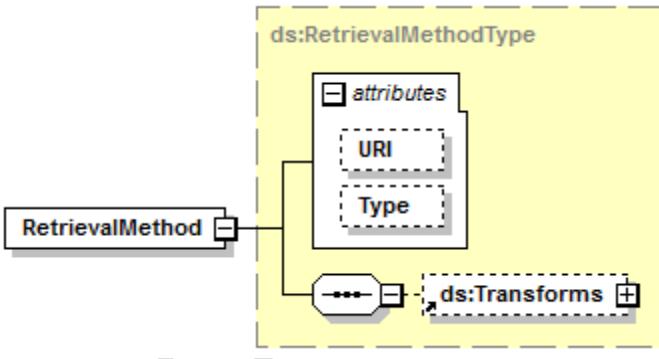
| | |
|------------|---|
| diagram |  |
| namespace | http://www.w3.org/2000/09/xmldsig# |
| type | ds:PGPDataType |
| properties | content complex |
| children | ds:PGPKeyID ds:PGPKeyPacket ds:PGPKeyPacket |
| used by | complexType KeyInfoType |
| source | <code><xs:element name="PGPData" type="ds:PGPDataType"/></code> |

element Reference

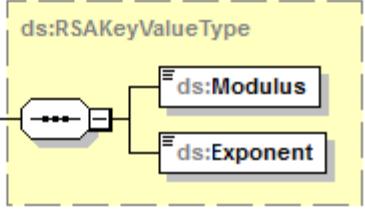
| | |
|-----------|--|
| diagram |  |
| namespace | http://www.w3.org/2000/09/xmldsig# |

| | | | | | | |
|------------|--|---------------------------|----------|---------|-------|------------|
| type | ds:ReferenceType | | | | | |
| properties | content complex | | | | | |
| children | ds:Transforms ds:DigestMethod ds:DigestValue | | | | | |
| used by | complexTypes ManifestType SignedInfoType | | | | | |
| attributes | Name | Type | Use | Default | Fixed | Annotation |
| | Id | xs:ID | optional | | | |
| | URI | xs:anyURI | optional | | | |
| | Type | xs:anyURI | optional | | | |
| source | <xs:element name="Reference" type="ds:ReferenceType"/> | | | | | |

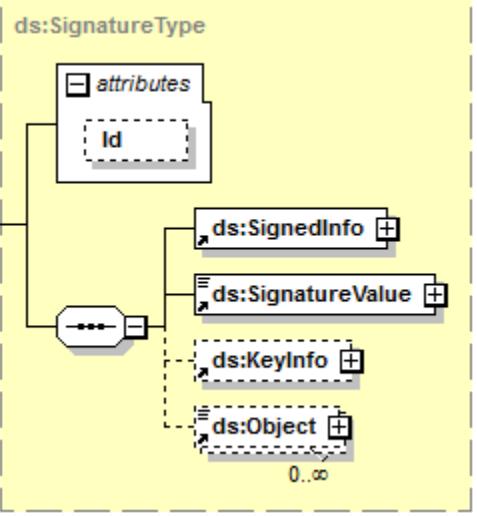
element RetrievalMethod

| diagram |  | | | | | | | | | | | | | | | | | | |
|----------------------|---|----------|---------|-------|------------|-------|------------|---------------------|---------------------------|--|--|--|--|----------------------|---------------------------|----------|--|--|--|
| namespace | http://www.w3.org/2000/09/xmldsig# | | | | | | | | | | | | | | | | | | |
| type | ds:RetrievalMethodType | | | | | | | | | | | | | | | | | | |
| properties | content complex | | | | | | | | | | | | | | | | | | |
| children | ds:Transforms | | | | | | | | | | | | | | | | | | |
| used by | complexType KeyInfoType | | | | | | | | | | | | | | | | | | |
| attributes | <table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>URI</td> <td>xs:anyURI</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Type</td> <td>xs:anyURI</td> <td>optional</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | Name | Type | Use | Default | Fixed | Annotation | URI | xs:anyURI | | | | | Type | xs:anyURI | optional | | | |
| Name | Type | Use | Default | Fixed | Annotation | | | | | | | | | | | | | | |
| URI | xs:anyURI | | | | | | | | | | | | | | | | | | |
| Type | xs:anyURI | optional | | | | | | | | | | | | | | | | | |
| source | <xs:element name="RetrievalMethod" type="ds:RetrievalMethodType"/> | | | | | | | | | | | | | | | | | | |

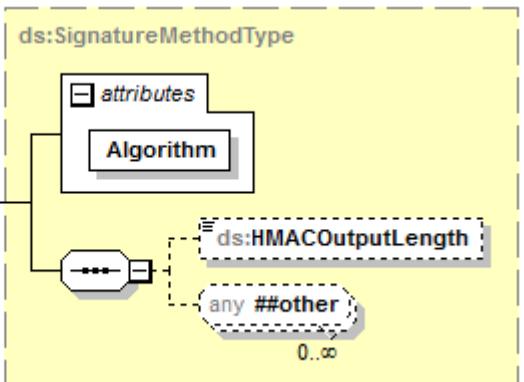
element RSAKeyValue

| | |
|------------|---|
| diagram |  |
| namespace | http://www.w3.org/2000/09/xmldsig# |
| type | ds:RSAKeyValue |
| properties | content complex |
| children | ds:Modulus ds:Exponent |
| used by | complexType KeyValueType |
| source | <xs:element name="RSAKeyValue" type="ds:RSAKeyValueType"/> |

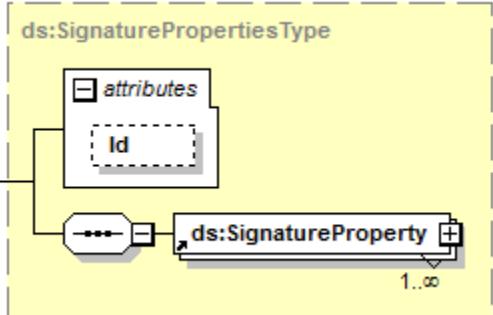
element Signature

| diagram |  | | | | | | | | | | | | |
|--------------------|--|----------|---------|-------|------------|-------|------------|--------------------|-----------------------|----------|--|--|--|
| namespace | http://www.w3.org/2000/09/xmldsig# | | | | | | | | | | | | |
| type | ds:Signature | | | | | | | | | | | | |
| properties | content complex | | | | | | | | | | | | |
| children | ds:SignedInfo ds:SignatureValue ds:KeyInfo ds:Object | | | | | | | | | | | | |
| attributes | <table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>Id</td> <td>xs:ID</td> <td>optional</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | Name | Type | Use | Default | Fixed | Annotation | Id | xs:ID | optional | | | |
| Name | Type | Use | Default | Fixed | Annotation | | | | | | | | |
| Id | xs:ID | optional | | | | | | | | | | | |
| source | <xs:element name="Signature" type="ds:SignatureType"/> | | | | | | | | | | | | |

element SignatureMethod

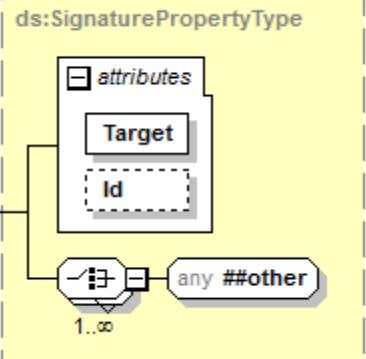
| diagram |  | | | | | | | | | | | | |
|---------------------------|---|----------|---------|-------|------------|-------|------------|---------------------------|---------------------------|----------|--|--|--|
| namespace | http://www.w3.org/2000/09/xmldsig# | | | | | | | | | | | | |
| type | ds:SignatureMethodType | | | | | | | | | | | | |
| properties | content complex mixed true | | | | | | | | | | | | |
| children | ds:HMACOutputLength | | | | | | | | | | | | |
| used by | complexType SignedInfoType | | | | | | | | | | | | |
| attributes | <table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>Algorithm</td> <td>xs:anyURI</td> <td>required</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | Name | Type | Use | Default | Fixed | Annotation | Algorithm | xs:anyURI | required | | | |
| Name | Type | Use | Default | Fixed | Annotation | | | | | | | | |
| Algorithm | xs:anyURI | required | | | | | | | | | | | |
| source | <code><xs:element name="SignatureMethod" type="ds:SignatureMethodType"/></code> | | | | | | | | | | | | |

element SignatureProperties

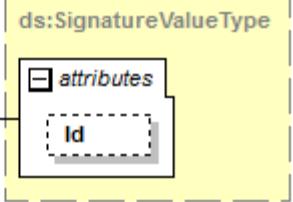
| diagram |  | | | | | | | | | | | | |
|--------------------|---|------|---------|-------|------------|-------|------------|--------------------|--|--|--|--|--|
| namespace | http://www.w3.org/2000/09/xmldsig# | | | | | | | | | | | | |
| type | ds:SignaturePropertiesType | | | | | | | | | | | | |
| properties | content complex | | | | | | | | | | | | |
| children | ds:SignatureProperty | | | | | | | | | | | | |
| attributes | <table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>Id</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | Name | Type | Use | Default | Fixed | Annotation | Id | | | | | |
| Name | Type | Use | Default | Fixed | Annotation | | | | | | | | |
| Id | | | | | | | | | | | | | |

| | | | |
|--------|--|-------|----------|
| | <u>Id</u> | xs:ID | optional |
| source | <xs:element name="SignatureProperties" type="ds:SignaturePropertiesType"/> | | |

element SignatureProperty

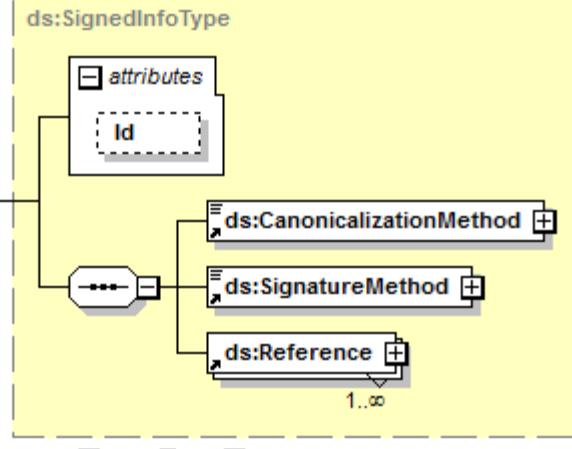
| diagram |  | | | | | | | | | | | | | | | | | | |
|------------------------|--|----------|---------|-------|------------|-------|------------|------------------------|-----------|----------|--|--|--|--------------------|-------|----------|--|--|--|
| namespace | http://www.w3.org/2000/09/xmldsig# | | | | | | | | | | | | | | | | | | |
| type | ds:SignaturePropertyType | | | | | | | | | | | | | | | | | | |
| properties | content complex mixed true | | | | | | | | | | | | | | | | | | |
| used by | complexType SignaturePropertiesType | | | | | | | | | | | | | | | | | | |
| attributes | <table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>Target</td> <td>xs:anyURI</td> <td>required</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Id</td> <td>xs:ID</td> <td>optional</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | Name | Type | Use | Default | Fixed | Annotation | Target | xs:anyURI | required | | | | Id | xs:ID | optional | | | |
| Name | Type | Use | Default | Fixed | Annotation | | | | | | | | | | | | | | |
| Target | xs:anyURI | required | | | | | | | | | | | | | | | | | |
| Id | xs:ID | optional | | | | | | | | | | | | | | | | | |
| source | <xs:element name="SignatureProperty" type="ds:SignaturePropertyType"/> | | | | | | | | | | | | | | | | | | |

element SignatureValue

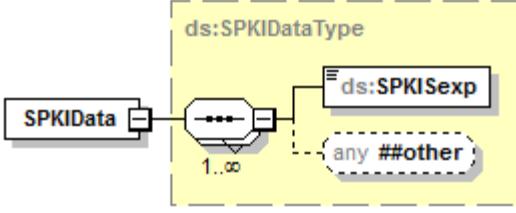
| | |
|-----------|---|
| diagram |  |
| namespace | http://www.w3.org/2000/09/xmldsig# |
| type | ds:SignatureValueType |

| | | | | | | |
|------------|---|-----------------------|----------|---------|-------|------------|
| properties | content complex | | | | | |
| used by | complexType SignatureType | | | | | |
| attributes | Name | Type | Use | Default | Fixed | Annotation |
| | Id | xs:ID | optional | | | |
| source | <code><xs:element name="SignatureValue" type="ds:SignatureValueType"/></code> | | | | | |

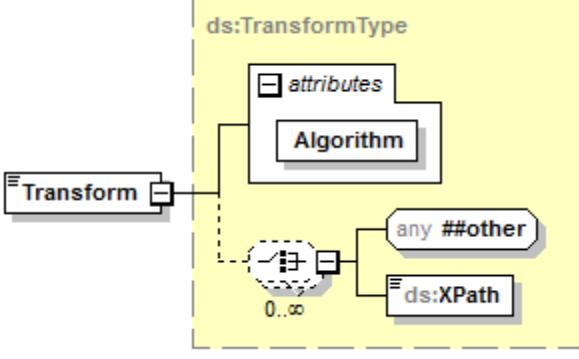
element SignedInfo

| | |
|------------|--|
| diagram |  <pre> classDiagram class SignedInfo { <<SignedInfo>> } class ds:SignedInfoType { <<ds:SignedInfoType>> <<attributes>> <<Id>> <<ds:CanonicalizationMethod>> <<ds:SignatureMethod>> <<ds:Reference>> } SignedInfo < -- ds:SignedInfoType </pre> |
| namespace | http://www.w3.org/2000/09/xmldsig# |
| type | ds:SignedInfoType |
| properties | content complex |
| children | ds:CanonicalizationMethod ds:SignatureMethod ds:Reference |
| used by | complexType SignatureType |
| attributes | Name Type Use Default Fixed Annotation |
| | Id xs:ID optional |
| source | <code><xs:element name="SignedInfo" type="ds:SignedInfoType"/></code> |

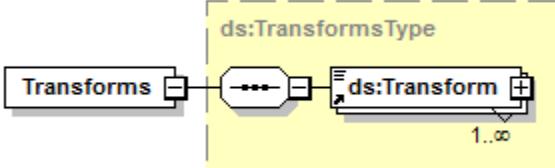
element SPKIData

| | |
|------------|---|
| diagram |  |
| namespace | http://www.w3.org/2000/09/xmldsig# |
| type | ds:SPKIDataType |
| properties | content complex |
| children | ds:SPKISexp |
| used by | complexType KeyInfoType |
| source | <code><xs:element name="SPKIData" type="ds:SPKIDataType"/></code> |

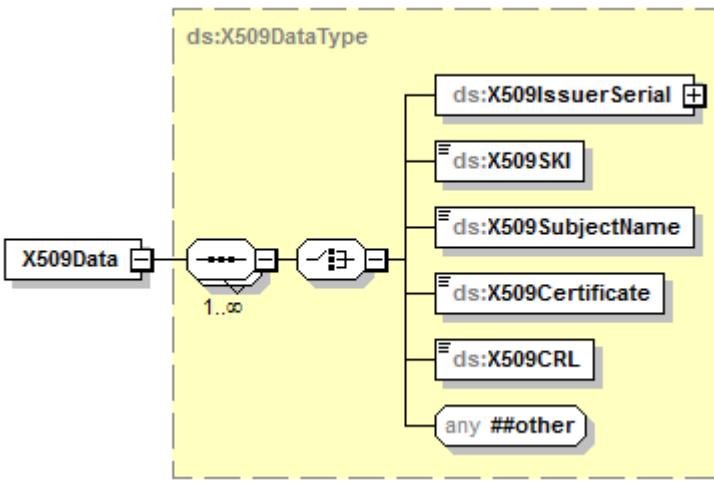
element Transform

| diagram |  | | | | | | | | | | | | |
|---------------------------|---|----------|---------|-------|------------|-------|------------|---------------------------|---------------------------|----------|--|--|--|
| namespace | http://www.w3.org/2000/09/xmldsig# | | | | | | | | | | | | |
| type | ds:TransformType | | | | | | | | | | | | |
| properties | content complex mixed true | | | | | | | | | | | | |
| children | ds:XPath | | | | | | | | | | | | |
| used by | complexType TransformsType | | | | | | | | | | | | |
| attributes | <table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>Algorithm</td> <td>xs:anyURI</td> <td>required</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | Name | Type | Use | Default | Fixed | Annotation | Algorithm | xs:anyURI | required | | | |
| Name | Type | Use | Default | Fixed | Annotation | | | | | | | | |
| Algorithm | xs:anyURI | required | | | | | | | | | | | |
| source | <code><xs:element name="Transform" type="ds:TransformType"/></code> | | | | | | | | | | | | |

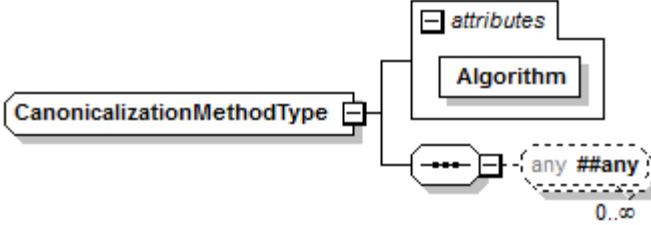
element Transforms

| | |
|------------|---|
| diagram |  |
| namespace | http://www.w3.org/2000/09/xmldsig# |
| type | ds:TransformsType |
| properties | content complex |
| children | ds:Transform |
| used by | complexTypes ReferenceType RetrievalMethodType |
| source | <xs:element name="Transforms" type="ds:TransformsType"/> |

element X509Data

| | |
|------------|---|
| diagram |  |
| namespace | http://www.w3.org/2000/09/xmldsig# |
| type | ds:X509DataType |
| properties | content complex |
| children | ds:X509IssuerSerial ds:X509SKI ds:X509SubjectName ds:X509Certificate ds:X509CRL |
| used by | complexType KeyInfoType |
| source | <xs:element name="X509Data" type="ds:X509DataType"/> |

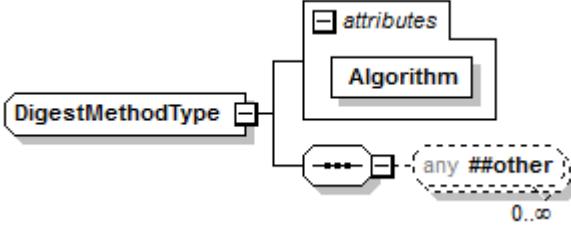
complexType CanonicalizationMethodType

| diagram |  | | | | | | | | | | | | |
|---------------------------|--|----------|---------|-------|------------|-------|------------|---------------------------|-----------|----------|--|--|--|
| namespace | http://www.w3.org/2000/09/xmldsig# | | | | | | | | | | | | |
| properties | mixed true | | | | | | | | | | | | |
| used by | element CanonicalizationMethod | | | | | | | | | | | | |
| attributes | <table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>Algorithm</td> <td>xs:anyURI</td> <td>required</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | Name | Type | Use | Default | Fixed | Annotation | Algorithm | xs:anyURI | required | | | |
| Name | Type | Use | Default | Fixed | Annotation | | | | | | | | |
| Algorithm | xs:anyURI | required | | | | | | | | | | | |
| source | <pre><xs:complexType name="CanonicalizationMethodType" mixed="true"> <xs:sequence> <xs:any namespace="##any" minOccurs="0" maxOccurs="unbounded"/> <!-- (0,unbounded) elements from (1,1) namespace --> </xs:sequence> <xs:attribute name="Algorithm" type="anyURI" use="required"/> </xs:complexType></pre> | | | | | | | | | | | | |

attribute CanonicalizationMethodType/@Algorithm

| | |
|------------|--|
| type | xs:anyURI |
| properties | use required |
| source | <pre><xs:attribute name="Algorithm" type="anyURI" use="required"/></pre> |

complexType DigestMethodType

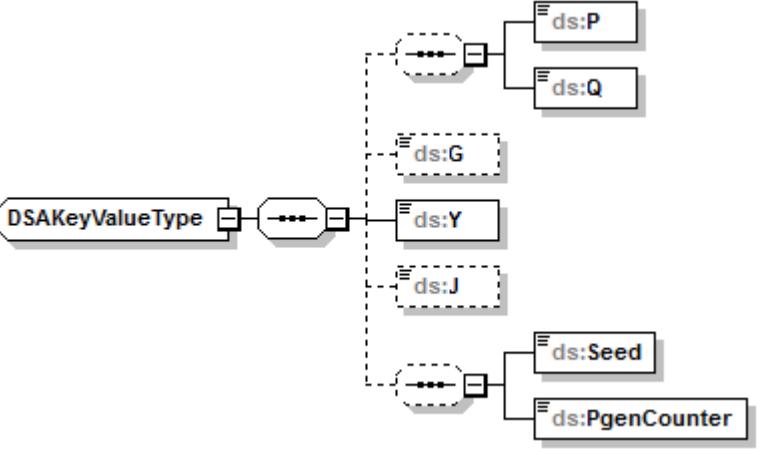
| | |
|------------|---|
| diagram |  |
| namespace | http://www.w3.org/2000/09/xmldsig# |
| properties | mixed true |
| used by | element DigestMethod |

| attributes | Name | Type | Use | Default | Fixed | Annotation |
|------------|---|-----------|----------|---------|-------|------------|
| | Algorithm | xs:anyURI | required | | | |
| source | <pre><xs:complexType name="DigestMethodType" mixed="true"> <xs:sequence> <xs:any namespace="##other" processContents="lax" minOccurs="0" maxOccurs="unbounded"/> </xs:sequence> <xs:attribute name="Algorithm" type="anyURI" use="required"/> </xs:complexType></pre> | | | | | |

attribute **DigestMethodType/@Algorithm**

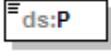
| | |
|------------|--|
| type | xs:anyURI |
| properties | use required |
| source | <pre><xs:attribute name="Algorithm" type="anyURI" use="required"/></pre> |

complexType **DSAKeyValue**

| | |
|-----------|---|
| diagram |  |
| namespace | http://www.w3.org/2000/09/xmldsig# |
| children | ds:P ds:Q ds:G ds:Y ds:J ds:Seed ds:PgenCounter |
| used by | element DSAKeyValue |
| source | <pre><xs:complexType name="DSAKeyValue"> <xs:sequence> <xs:sequence minOccurs="0"> <xs:element name="P" type="ds:CryptoBinary"/> <xs:element name="Q" type="ds:CryptoBinary"/> </xs:sequence> <xs:element name="G" type="ds:CryptoBinary" minOccurs="0"/> <xs:element name="Y" type="ds:CryptoBinary"/></pre> |

| | |
|--|--|
| | <pre><xs:element name="J" type="ds: CryptoBinary" minOccurs="0"/> <xs:sequence minOccurs="0"> <xs:element name="Seed" type="ds: CryptoBinary"/> <xs:element name="PgenCounter" type="ds: CryptoBinary"/> </xs:sequence> </xs:sequence> </xs:complexType></pre> |
|--|--|

element DSAKeyValueType/P

| | |
|------------|---|
| diagram |  |
| namespace | http://www.w3.org/2000/09/xmldsig# |
| type | ds: CryptoBinary |
| properties | content simple |
| source | <xs:element name="P" type="ds: CryptoBinary"/> |

element DSAKeyValueType/Q

| | |
|------------|---|
| diagram |  |
| namespace | http://www.w3.org/2000/09/xmldsig# |
| type | ds: CryptoBinary |
| properties | content simple |
| source | <xs:element name="Q" type="ds: CryptoBinary"/> |

element DSAKeyValueType/G

| | |
|------------|---|
| diagram |  |
| namespace | http://www.w3.org/2000/09/xmldsig# |
| type | ds: CryptoBinary |
| properties | minOcc 0 maxOcc 1 content simple |
| source | <xs:element name="G" type="ds: CryptoBinary" minOccurs="0"/> |

element DSAKeyValueType/Y

| | |
|------------|---|
| diagram |  |
| namespace | http://www.w3.org/2000/09/xmldsig# |
| type | ds: CryptoBinary |
| properties | content simple |
| source | <xs:element name="Y" type="ds: CryptoBinary"/> |

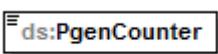
element DSAKeyValueType/J

| | |
|------------|---|
| diagram |  |
| namespace | http://www.w3.org/2000/09/xmldsig# |
| type | ds: CryptoBinary |
| properties | minOcc 0 maxOcc 1 content simple |
| source | <xs:element name="J" type="ds: CryptoBinary" minOccurs="0"/> |

element DSAKeyValueType/Seed

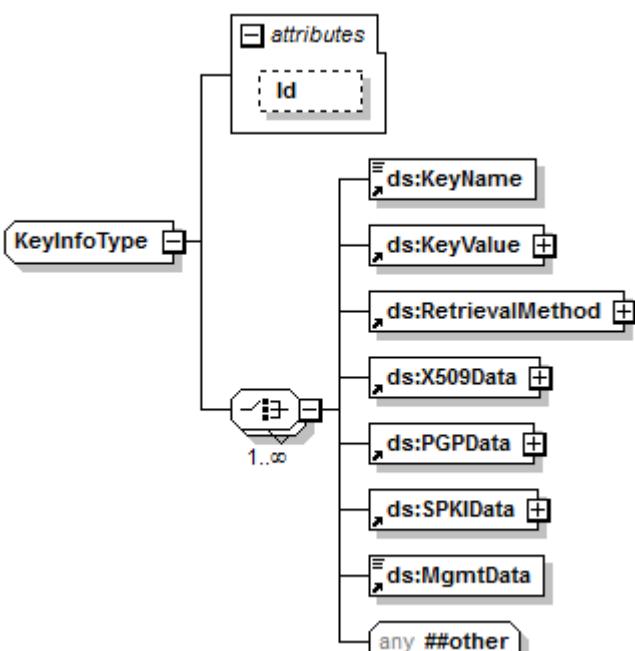
| | |
|------------|---|
| diagram |  |
| namespace | http://www.w3.org/2000/09/xmldsig# |
| type | ds: CryptoBinary |
| properties | content simple |
| source | <xs:element name="Seed" type="ds: CryptoBinary"/> |

element DSAKeyValueType/PgenCounter

| | |
|---------|---|
| diagram |  |
|---------|---|

| | |
|------------|--|
| namespace | http://www.w3.org/2000/09/xmldsig# |
| type | ds: CryptoBinary |
| properties | content simple |
| source | <xs:element name="PgenCounter" type="ds: CryptoBinary"/> |

complexType KeyInfoType

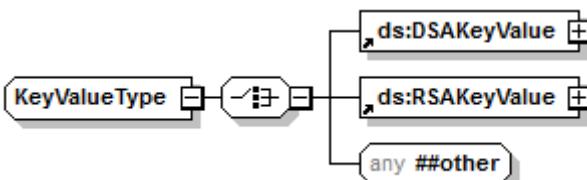
| diagram |  <pre> classDiagram class KeyInfoType { attributes +Id +ds:KeyName +ds:KeyValue +ds:RetrievalMethod +ds:X509Data +ds:PGPData +ds:SPKIData +ds:MgmtData any ##other } </pre> | | | | | | | | | | | | |
|--------------------|--|----------|---------|-------|------------|-------|------------|--------------------|-----------------------|----------|--|--|--|
| namespace | http://www.w3.org/2000/09/xmldsig# | | | | | | | | | | | | |
| properties | mixed true | | | | | | | | | | | | |
| children | ds:KeyName ds:KeyValue ds:RetrievalMethod ds:X509Data ds:PGPData ds:SPKIData ds:MgmtData | | | | | | | | | | | | |
| used by | element KeyInfo | | | | | | | | | | | | |
| attributes | <table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>Id</td> <td>xs:ID</td> <td>optional</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | Name | Type | Use | Default | Fixed | Annotation | Id | xs:ID | optional | | | |
| Name | Type | Use | Default | Fixed | Annotation | | | | | | | | |
| Id | xs:ID | optional | | | | | | | | | | | |
| source | <pre> <xs:complexType name="KeyInfoType" mixed="true"> <xs:choice maxOccurs="unbounded"> <xs:element ref="ds:KeyName"/> <xs:element ref="ds:KeyValue"/> <xs:element ref="ds:RetrievalMethod"/> <xs:element ref="ds:X509Data"/> <xs:element ref="ds:PGPData"/> <xs:element ref="ds:SPKIData"/> <xs:element ref="ds:MgmtData"/> <xs:any namespace="##other" processContents="lax"/> <!-- (1,1) elements from (0,unbounded) namespaces --> </pre> | | | | | | | | | | | | |

| | |
|--|--|
| | <pre> </xs:choice> <xs:attribute name="Id" type="ID" use="optional"/> </xs:complexType> </pre> |
|--|--|

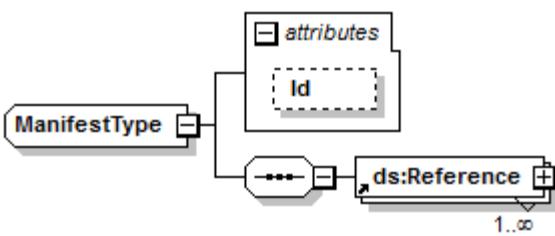
attribute **KeyInfoType/@Id**

| | |
|------------|---|
| type | xs:ID |
| properties | use optional |
| source | <pre><xs:attribute name="Id" type="ID" use="optional"/></pre> |

complexType **KeyValue**

| | |
|------------|---|
| diagram |  |
| namespace | http://www.w3.org/2000/09/xmldsig# |
| properties | mixed true |
| children | ds:DSAKeyValue ds:RSAKeyValue |
| used by | element KeyValue |
| source | <pre> <xs:complexType name="KeyValue"> <xs:choice mixed="true"> <xs:element ref="ds:DSAKeyValue"/> <xs:element ref="ds:RSAKeyValue"/> <xs:any namespace="##other" processContents="lax"/> </xs:choice> </xs:complexType> </pre> |

complexType **ManifestType**

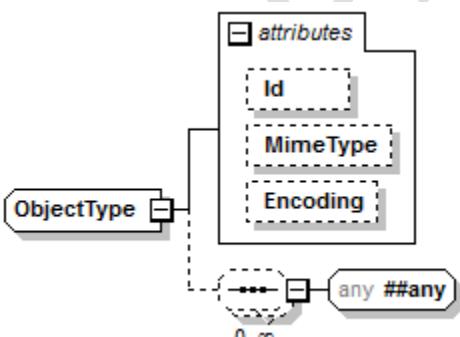
| | |
|-----------|---|
| diagram |  |
| namespace | http://www.w3.org/2000/09/xmldsig# |

| | | | | | | |
|------------|--|-----------------------|----------|---------|-------|------------|
| children | ds:Reference | | | | | |
| used by | element Manifest | | | | | |
| attributes | Name | Type | Use | Default | Fixed | Annotation |
| | Id | xs:ID | optional | | | |
| source | <pre><xs:complexType name="ManifestType"> <xs:sequence> <xs:element ref="ds:Reference" maxOccurs="unbounded"/> </xs:sequence> <xs:attribute name="Id" type="ID" use="optional"/> </xs:complexType></pre> | | | | | |

attribute ManifestType/@Id

| | |
|------------|---|
| type | xs:ID |
| properties | use optional |
| source | <pre><xs:attribute name="Id" type="ID" use="optional"/></pre> |

complexType ObjectType

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------|--|----------|---------|-------|------------|-------|------------|--------------------|-----------------------|----------|--|--|--|--------------------------|---------------------------|----------|--|--|--|--------------------------|---------------------------|----------|--|--|--|
| diagram |  | | | | | | | | | | | | | | | | | | | | | | | | |
| namespace | http://www.w3.org/2000/09/xmldsig# | | | | | | | | | | | | | | | | | | | | | | | | |
| properties | mixed true | | | | | | | | | | | | | | | | | | | | | | | | |
| used by | element Object | | | | | | | | | | | | | | | | | | | | | | | | |
| attributes | <table> <tr> <td>Name</td><td>Type</td><td>Use</td><td>Default</td><td>Fixed</td><td>Annotation</td></tr> <tr> <td>Id</td><td>xs:ID</td><td>optional</td><td></td><td></td><td></td></tr> <tr> <td>MimeType</td><td>xs:string</td><td>optional</td><td></td><td></td><td></td></tr> <tr> <td>Encoding</td><td>xs:anyURI</td><td>optional</td><td></td><td></td><td></td></tr> </table> | Name | Type | Use | Default | Fixed | Annotation | Id | xs:ID | optional | | | | MimeType | xs:string | optional | | | | Encoding | xs:anyURI | optional | | | |
| Name | Type | Use | Default | Fixed | Annotation | | | | | | | | | | | | | | | | | | | | |
| Id | xs:ID | optional | | | | | | | | | | | | | | | | | | | | | | | |
| MimeType | xs:string | optional | | | | | | | | | | | | | | | | | | | | | | | |
| Encoding | xs:anyURI | optional | | | | | | | | | | | | | | | | | | | | | | | |
| source | <pre><xs:complexType name="ObjectType" mixed="true"> <xs:sequence minOccurs="0" maxOccurs="unbounded"></pre> | | | | | | | | | | | | | | | | | | | | | | | | |

| | |
|--|---|
| | <pre> <xs:any namespace="##any" processContents="lax"/> </xs:sequence> <xs:attribute name="Id" type="ID" use="optional"/> <xs:attribute name="MimeType" type="string" use="optional"/> <xs:attribute name="Encoding" type="anyURI" use="optional"/> <!-- add a grep facet --> </xs:complexType></pre> |
|--|---|

attribute ObjectType/@Id

| | |
|------------|--|
| type | xs:ID |
| properties | use optional |
| source | <xs:attribute name="Id" type="ID" use="optional"/> |

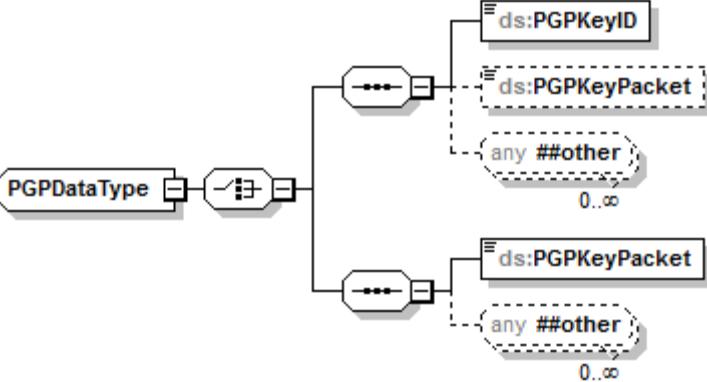
attribute ObjectType/@MimeType

| | |
|------------|--|
| type | xs:string |
| properties | use optional |
| source | <xs:attribute name="MimeType" type="string" use="optional"/> |

attribute ObjectType/@Encoding

| | |
|------------|--|
| type | xs:anyURI |
| properties | use optional |
| source | <xs:attribute name="Encoding" type="anyURI" use="optional"/> |

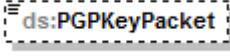
complexType PGPDataType

| | |
|-----------|---|
| diagram |  |
| namespace | http://www.w3.org/2000/09/xmldsig# |
| children | ds:PGPKeyID ds:PGPKeyPacket ds:PGPKeyPacket |
| used by | element PGPData |
| source | <pre><xs:complexType name="PGPDataType"> <xs:choice> <xs:sequence> <xs:element name="PGPKeyID" type="base64Binary"/> <xs:element name="PGPKeyPacket" type="base64Binary" minOccurs="0"/> <xs:any namespace="##other" processContents="lax" minOccurs="0" maxOccurs="unbounded"/> </xs:sequence> <xs:sequence> <xs:element name="PGPKeyPacket" type="base64Binary"/> <xs:any namespace="##other" processContents="lax" minOccurs="0" maxOccurs="unbounded"/> </xs:sequence> </xs:choice> </xs:complexType></pre> |

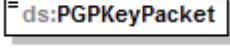
element PGPDataType/PGPKeyID

| | |
|------------|--|
| diagram |  |
| namespace | http://www.w3.org/2000/09/xmldsig# |
| type | xs:base64Binary |
| properties | content simple |
| source | <code><xs:element name="PGPKeyID" type="base64Binary"/></code> |

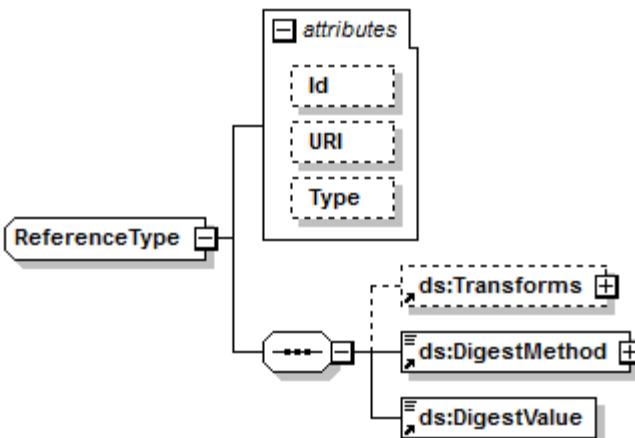
element PGPDataType/PGPKeyPacket

| | |
|------------|---|
| diagram |  |
| namespace | http://www.w3.org/2000/09/xmldsig# |
| type | xs:base64Binary |
| properties | minOcc 0 maxOcc 1 content simple |
| source | <xs:element name="PGPKeyPacket" type="base64Binary" minOccurs="0"/> |

element PGPDataType/PGPKeyPacket

| | |
|------------|---|
| diagram |  |
| namespace | http://www.w3.org/2000/09/xmldsig# |
| type | xs:base64Binary |
| properties | content simple |
| source | <xs:element name="PGPKeyPacket" type="base64Binary"/> |

complexType ReferenceType

| diagram |  | | | | | | |
|------------|---|------|---------|-------|------------|-------|------------|
| namespace | http://www.w3.org/2000/09/xmldsig# | | | | | | |
| children | ds:Transforms ds:DigestMethod ds:DigestValue | | | | | | |
| used by | element Reference | | | | | | |
| attributes | <table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> </table> | Name | Type | Use | Default | Fixed | Annotation |
| Name | Type | Use | Default | Fixed | Annotation | | |

| | | | |
|--------|--|-----------|----------|
| | <u>Id</u> | xs:ID | optional |
| | <u>URI</u> | xs:anyURI | optional |
| | <u>Type</u> | xs:anyURI | optional |
| source | <pre><xs:complexType name="ReferenceType"> <xs:sequence> <xs:element ref="ds:Transforms" minOccurs="0"/> <xs:element ref="ds:DigestMethod"/> <xs:element ref="ds:DigestValue"/> </xs:sequence> <xs:attribute name="Id" type="ID" use="optional"/> <xs:attribute name="URI" type="anyURI" use="optional"/> <xs:attribute name="Type" type="anyURI" use="optional"/> </xs:complexType></pre> | | |

attribute ReferenceType/@Id

| | |
|------------|--|
| type | xs:ID |
| properties | use optional |
| source | <xs:attribute name="Id" type="ID" use="optional"/> |

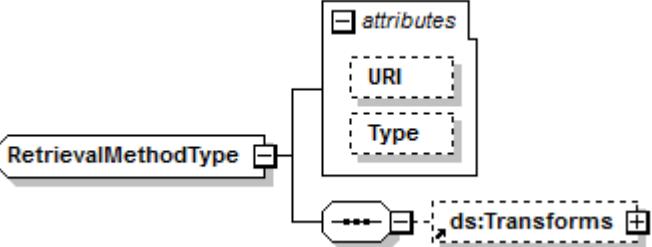
attribute ReferenceType/@URI

| | |
|------------|---|
| type | xs:anyURI |
| properties | use optional |
| source | <xs:attribute name="URI" type="anyURI" use="optional"/> |

attribute ReferenceType/@Type

| | |
|------------|--|
| type | xs:anyURI |
| properties | use optional |
| source | <xs:attribute name="Type" type="anyURI" use="optional"/> |

complexType **RetrievalMethodType**

| diagram |  | | | | | | | | | | | | | | | | | | |
|----------------------|---|----------|---------|-------|------------|-------|------------|---------------------|---------------------------|--|--|--|--|----------------------|---------------------------|----------|--|--|--|
| namespace | http://www.w3.org/2000/09/xmldsig# | | | | | | | | | | | | | | | | | | |
| children | <u>ds:Transforms</u> | | | | | | | | | | | | | | | | | | |
| used by | element <u>RetrievalMethod</u> | | | | | | | | | | | | | | | | | | |
| attributes | <table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>URI</td> <td>xs:anyURI</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Type</td> <td>xs:anyURI</td> <td>optional</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | Name | Type | Use | Default | Fixed | Annotation | URI | xs:anyURI | | | | | Type | xs:anyURI | optional | | | |
| Name | Type | Use | Default | Fixed | Annotation | | | | | | | | | | | | | | |
| URI | xs:anyURI | | | | | | | | | | | | | | | | | | |
| Type | xs:anyURI | optional | | | | | | | | | | | | | | | | | |
| source | <pre><xs:complexType name="RetrievalMethodType"> <xs:sequence> <xs:element ref="ds:Transforms" minOccurs="0"/> </xs:sequence> <xs:attribute name="URI" type="anyURI"/> <xs:attribute name="Type" type="anyURI" use="optional"/> </xs:complexType></pre> | | | | | | | | | | | | | | | | | | |

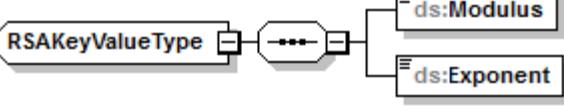
attribute **RetrievalMethodType/@URI**

| | |
|--------|---|
| type | xs:anyURI |
| source | <pre><xs:attribute name="URI" type="anyURI"/></pre> |

attribute **RetrievalMethodType/@Type**

| | |
|------------|---|
| type | xs:anyURI |
| properties | use optional |
| source | <pre><xs:attribute name="Type" type="anyURI" use="optional"/></pre> |

complexType RSAKeyValue

| | |
|-----------|--|
| diagram |  |
| namespace | http://www.w3.org/2000/09/xmldsig# |
| children | ds:Modulus ds:Exponent |
| used by | element RSAKeyValue |
| source | <pre><xs:complexType name="RSAKeyValue"> <xs:sequence> <xs:element name="Modulus" type="ds: CryptoBinary"/> <xs:element name="Exponent" type="ds: CryptoBinary"/> </xs:sequence> </xs:complexType></pre> |

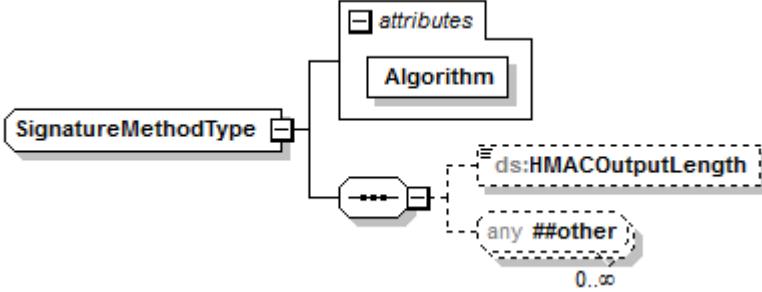
element RSAKeyValue/Modulus

| | |
|------------|---|
| diagram |  |
| namespace | http://www.w3.org/2000/09/xmldsig# |
| type | ds: CryptoBinary |
| properties | content simple |
| source | <pre><xs:element name="Modulus" type="ds: CryptoBinary"/></pre> |

element RSAKeyValue/Exponent

| | |
|------------|---|
| diagram |  |
| namespace | http://www.w3.org/2000/09/xmldsig# |
| type | ds: CryptoBinary |
| properties | content simple |
| source | <pre><xs:element name="Exponent" type="ds: CryptoBinary"/></pre> |

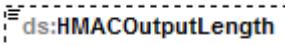
complexType **SignatureMethodType**

| diagram |  | | | | | | | | | | | | |
|---------------------------|---|----------|---------|-------|------------|-------|------------|---------------------------|---------------------------|----------|--|--|--|
| namespace | http://www.w3.org/2000/09/xmldsig# | | | | | | | | | | | | |
| properties | mixed true | | | | | | | | | | | | |
| children | ds:HMACOutputLength | | | | | | | | | | | | |
| used by | element SignatureMethod | | | | | | | | | | | | |
| attributes | <table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>Algorithm</td> <td>xs:anyURI</td> <td>required</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | Name | Type | Use | Default | Fixed | Annotation | Algorithm | xs:anyURI | required | | | |
| Name | Type | Use | Default | Fixed | Annotation | | | | | | | | |
| Algorithm | xs:anyURI | required | | | | | | | | | | | |
| source | <pre><xs:complexType name="SignatureMethodType" mixed="true"> <xs:sequence> <xs:element name="HMACOutputLength" type="ds:HMACOutputLengthType" minOccurs="0"/> <xs:any namespace="##other" minOccurs="0" maxOccurs="unbounded"/> <!-- (0,unbounded) elements from (1,1) external namespace --> </xs:sequence> <xs:attribute name="Algorithm" type="anyURI" use="required"/> </xs:complexType></pre> | | | | | | | | | | | | |

attribute **SignatureMethodType/@Algorithm**

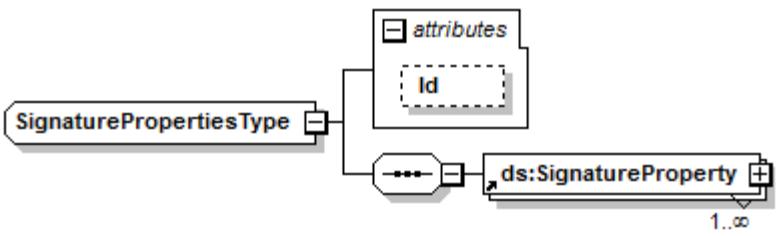
| | |
|------------|--|
| type | xs:anyURI |
| properties | use required |
| source | <pre><xs:attribute name="Algorithm" type="anyURI" use="required"/></pre> |

element **SignatureMethodType/HMACOutputLength**

| | | | | | |
|------------|--|--------|---|--------|---|
| diagram |  | | | | |
| namespace | http://www.w3.org/2000/09/xmldsig# | | | | |
| type | ds:HMACOutputLengthType | | | | |
| properties | <table> <tr> <td>minOcc</td> <td>0</td> </tr> <tr> <td>maxOcc</td> <td>1</td> </tr> </table> | minOcc | 0 | maxOcc | 1 |
| minOcc | 0 | | | | |
| maxOcc | 1 | | | | |

| | |
|--------|---|
| | content simple |
| source | <pre><xs:element name="HMACOutputLength" type="ds:HMACOutputLengthType" minOccurs="0"/></pre> |

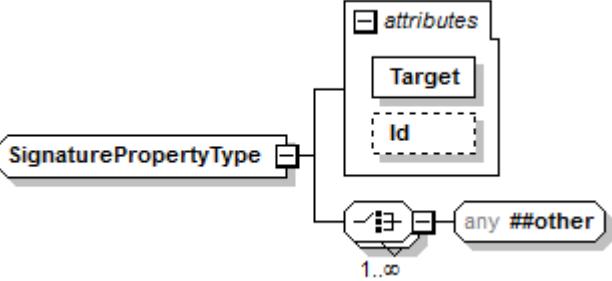
complexType **SignaturePropertiesType**

| diagram |  | | | | | | | | | | | | |
|------------|---|----------|---------|-------|------------|-------|------------|-----------|-----------------------|----------|--|--|--|
| namespace | http://www.w3.org/2000/09/xmldsig# | | | | | | | | | | | | |
| children | ds:SignatureProperty | | | | | | | | | | | | |
| used by | element SignatureProperties | | | | | | | | | | | | |
| attributes | <table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td><u>Id</u></td> <td>xs:ID</td> <td>optional</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | Name | Type | Use | Default | Fixed | Annotation | <u>Id</u> | xs:ID | optional | | | |
| Name | Type | Use | Default | Fixed | Annotation | | | | | | | | |
| <u>Id</u> | xs:ID | optional | | | | | | | | | | | |
| source | <pre><xs:complexType name="SignaturePropertiesType"> <xs:sequence> <xs:element ref="ds:SignatureProperty" maxOccurs="unbounded"/> </xs:sequence> <xs:attribute name="Id" type="ID" use="optional"/> </xs:complexType></pre> | | | | | | | | | | | | |

attribute **SignaturePropertiesType/@Id**

| | |
|------------|---|
| type | xs:ID |
| properties | use optional |
| source | <pre><xs:attribute name="Id" type="ID" use="optional"/></pre> |

complexType **SignaturePropertyType**

| diagram |  | | | | | | | | | | | | | | | | | | |
|------------------------|--|----------|---------|-------|------------|-------|------------|------------------------|-----------|----------|--|--|--|--------------------|-------|----------|--|--|--|
| namespace | http://www.w3.org/2000/09/xmldsig# | | | | | | | | | | | | | | | | | | |
| properties | mixed true | | | | | | | | | | | | | | | | | | |
| used by | element SignatureProperty | | | | | | | | | | | | | | | | | | |
| attributes | <table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>Target</td> <td>xs:anyURI</td> <td>required</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Id</td> <td>xs:ID</td> <td>optional</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | Name | Type | Use | Default | Fixed | Annotation | Target | xs:anyURI | required | | | | Id | xs:ID | optional | | | |
| Name | Type | Use | Default | Fixed | Annotation | | | | | | | | | | | | | | |
| Target | xs:anyURI | required | | | | | | | | | | | | | | | | | |
| Id | xs:ID | optional | | | | | | | | | | | | | | | | | |
| source | <pre><xs:complexType name="SignaturePropertyType" mixed="true"> <xs:choice maxOccurs="unbounded"> <xs:any namespace="##other" processContents="lax"/> <!-- (1,1) elements from (1,unbounded) namespaces --> </xs:choice> <xs:attribute name="Target" type="anyURI" use="required"/> <xs:attribute name="Id" type="ID" use="optional"/> </xs:complexType></pre> | | | | | | | | | | | | | | | | | | |

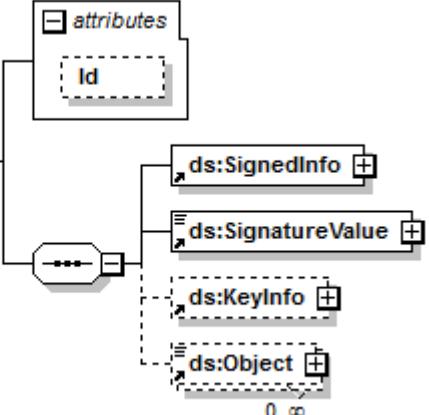
attribute **SignaturePropertyType/@Target**

| | |
|------------|---|
| type | xs:anyURI |
| properties | use required |
| source | <pre><xs:attribute name="Target" type="anyURI" use="required"/></pre> |

attribute **SignaturePropertyType/@Id**

| | |
|------------|---|
| type | xs:ID |
| properties | use optional |
| source | <pre><xs:attribute name="Id" type="ID" use="optional"/></pre> |

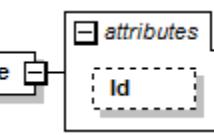
complexType SignatureType

| diagram |  | | | | | | | | | | | | |
|--------------------|---|----------|---------|-------|------------|-------|------------|--------------------|-----------------------|----------|--|--|--|
| namespace | http://www.w3.org/2000/09/xmldsig# | | | | | | | | | | | | |
| children | ds:SignedInfo ds:SignatureValue ds:KeyInfo ds:Object | | | | | | | | | | | | |
| used by | elements Signature cancelaIVCe/Signature recuperaStatusInicializacao/Signature inicializaIVCeTag/Signature decodificaIVCe/Signature vinculaIVCe/Signature passagem/Signature | | | | | | | | | | | | |
| attributes | <table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>Id</td> <td>xs:ID</td> <td>optional</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | Name | Type | Use | Default | Fixed | Annotation | Id | xs:ID | optional | | | |
| Name | Type | Use | Default | Fixed | Annotation | | | | | | | | |
| Id | xs:ID | optional | | | | | | | | | | | |
| source | <pre><xs:complexType name="SignatureType"> <xs:sequence> <xs:element ref="ds:SignedInfo"/> <xs:element ref="ds:SignatureValue"/> <xs:element ref="ds:KeyInfo" minOccurs="0"/> <xs:element ref="ds:Object" minOccurs="0" maxOccurs="unbounded"/> </xs:sequence> <xs:attribute name="Id" type="ID" use="optional"/> </xs:complexType></pre> | | | | | | | | | | | | |

attribute SignatureType/@Id

| | |
|------------|---|
| type | xs:ID |
| properties | use optional |
| source | <pre><xs:attribute name="Id" type="ID" use="optional"/></pre> |

complexType SignatureValueType

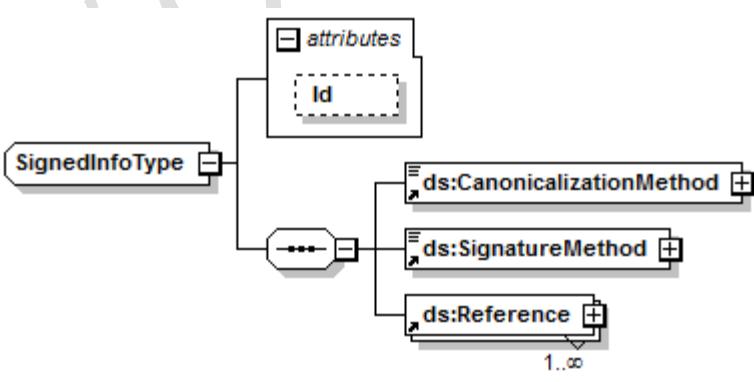
| | |
|---------|---|
| diagram |  |
|---------|---|

| namespace | http://www.w3.org/2000/09/xmldsig# | | | | | | | | | | | | | | | | | |
|--------------------|--|----------|---------|-------|------------|--|------|------|-----|---------|-------|------------|--------------------|--------------|----------|--|--|--|
| type | extension of xs:base64Binary | | | | | | | | | | | | | | | | | |
| properties | base base64Binary | | | | | | | | | | | | | | | | | |
| used by | element SignatureValue | | | | | | | | | | | | | | | | | |
| attributes | <table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>Id</td> <td>xs:ID</td> <td>optional</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | | | | | | Name | Type | Use | Default | Fixed | Annotation | Id | xs:ID | optional | | | |
| Name | Type | Use | Default | Fixed | Annotation | | | | | | | | | | | | | |
| Id | xs:ID | optional | | | | | | | | | | | | | | | | |
| source | <pre><xs:complexType name="SignatureValueType"> <xs:simpleContent> <xs:extension base="base64Binary"> <xs:attribute name="Id" type="ID" use="optional"/> </xs:extension> </xs:simpleContent> </xs:complexType></pre> | | | | | | | | | | | | | | | | | |

attribute **SignatureValueType/@Id**

| | |
|------------|--|
| type | xs:ID |
| properties | use optional |
| source | <xs:attribute name="Id" type="ID" use="optional"/> |

complexType **SignedInfoType**

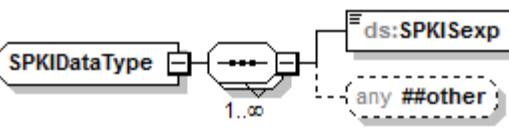
| diagram |  | | | | | | | | | | | | |
|--------------------|---|----------|---------|-------|------------|-------|------------|--------------------|--------------|----------|--|--|--|
| namespace | http://www.w3.org/2000/09/xmldsig# | | | | | | | | | | | | |
| children | ds:CanonicalizationMethod ds:SignatureMethod ds:Reference | | | | | | | | | | | | |
| used by | element SignedInfo | | | | | | | | | | | | |
| attributes | <table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>Id</td> <td>xs:ID</td> <td>optional</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | Name | Type | Use | Default | Fixed | Annotation | Id | xs:ID | optional | | | |
| Name | Type | Use | Default | Fixed | Annotation | | | | | | | | |
| Id | xs:ID | optional | | | | | | | | | | | |
| source | <xs:complexType name="SignedInfoType"> | | | | | | | | | | | | |

| | |
|--|--|
| | <pre> <xs:sequence> <xs:element ref="ds:CanonicalizationMethod"/> <xs:element ref="ds:SignatureMethod"/> <xs:element ref="ds:Reference" maxOccurs="unbounded"/> </xs:sequence> <xs:attribute name="Id" type="ID" use="optional"/> </xs:complexType> </pre> |
|--|--|

attribute SignedInfoType/@Id

| | |
|------------|--|
| type | xs:ID |
| properties | use optional |
| source | <xs:attribute name="Id" type="ID" use="optional"/> |

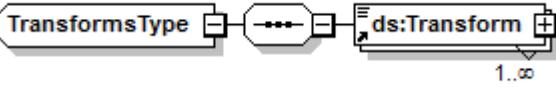
complexType SPKIDataType

| | |
|-----------|--|
| diagram |  |
| namespace | http://www.w3.org/2000/09/xmldsig# |
| children | ds:SPKISexp |
| used by | element SPKIData |
| source | <pre> <xs:complexType name="SPKIDataType"> <xs:sequence maxOccurs="unbounded"> <xs:element name="SPKISexp" type="base64Binary"/> <xs:any namespace="##other" processContents="lax" minOccurs="0"/> </xs:sequence> </xs:complexType> </pre> |

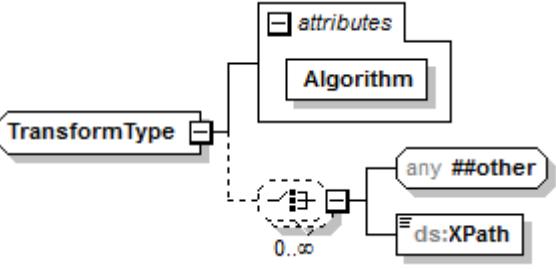
element SPKIDataType/SPKISexp

| | |
|------------|---|
| diagram |  |
| namespace | http://www.w3.org/2000/09/xmldsig# |
| type | xs:base64Binary |
| properties | content simple |
| source | <xs:element name="SPKISexp" type="base64Binary"/> |

complexType TransformsType

| | |
|-----------|---|
| diagram |  |
| namespace | http://www.w3.org/2000/09/xmldsig# |
| children | ds:Transform |
| used by | element Transforms |
| source | <pre><xs:complexType name="TransformsType"> <xs:sequence> <xs:element ref="ds:Transform" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType></pre> |

complexType TransformType

| diagram |  | | | | | | | | | | | | |
|---------------------------|---|----------|---------|-------|------------|-------|------------|---------------------------|-----------|----------|--|--|--|
| namespace | http://www.w3.org/2000/09/xmldsig# | | | | | | | | | | | | |
| properties | mixed true | | | | | | | | | | | | |
| children | ds:XPath | | | | | | | | | | | | |
| used by | element Transform | | | | | | | | | | | | |
| attributes | <table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>Algorithm</td> <td>xs:anyURI</td> <td>required</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | Name | Type | Use | Default | Fixed | Annotation | Algorithm | xs:anyURI | required | | | |
| Name | Type | Use | Default | Fixed | Annotation | | | | | | | | |
| Algorithm | xs:anyURI | required | | | | | | | | | | | |
| source | <pre><xs:complexType name="TransformType" mixed="true"> <xs:choice minOccurs="0" maxOccurs="unbounded"> <xs:any namespace="##other" processContents="lax"/> <!-- (1,1) elements from (0,unbounded) namespaces --> <xs:element name="XPath" type="string"/> </xs:choice> <xs:attribute name="Algorithm" type="anyURI" use="required"/> </xs:complexType></pre> | | | | | | | | | | | | |

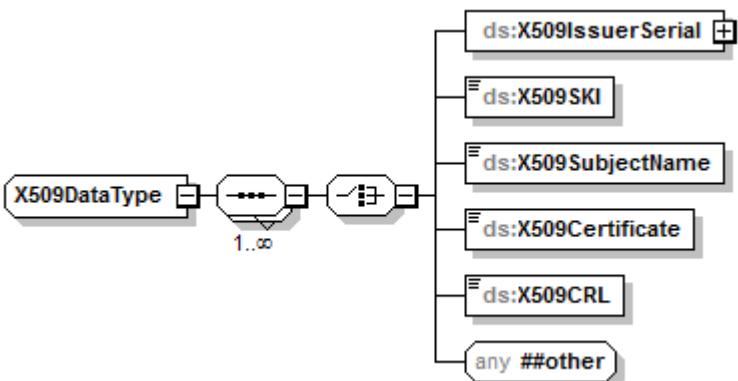
attribute TransformType/@Algorithm

| | |
|------------|--|
| type | <code>xs:anyURI</code> |
| properties | use required |
| source | <code><xs:attribute name="Algorithm" type="anyURI" use="required"/></code> |

element TransformType/XPath

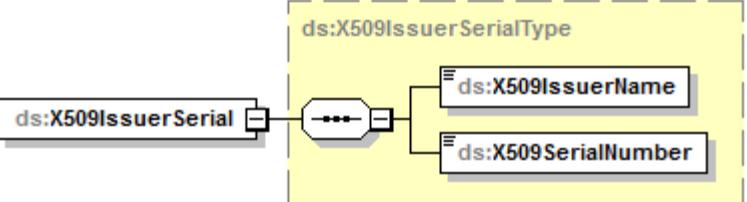
| | |
|------------|---|
| diagram |  |
| namespace | <code>http://www.w3.org/2000/09/xmldsig#</code> |
| type | <code>xs:string</code> |
| properties | content simple |
| source | <code><xs:element name="XPath" type="string"/></code> |

complexType X509DataType

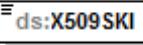
| | |
|-----------|--|
| diagram |  |
| namespace | <code>http://www.w3.org/2000/09/xmldsig#</code> |
| children | ds:X509IssuerSerial ds:X509SKI ds:X509SubjectName ds:X509Certificate ds:X509CRL |
| used by | element X509Data |
| source | <pre> <xs:complexType name="X509DataType"> <xs:sequence maxOccurs="unbounded"> <xs:choice> <xs:element name="X509IssuerSerial" type="ds:X509IssuerSerialType"/> <xs:element name="X509SKI" type="base64Binary"/> <xs:element name="X509SubjectName" type="string"/> <xs:element name="X509Certificate" type="base64Binary"/> <xs:element name="X509CRL" type="base64Binary"/> <xs:any namespace="##other" processContents="lax"/> </xs:choice> </xs:sequence> </xs:complexType> </pre> |

| | |
|--|--|
| | <pre></xs:choice> </xs:sequence> </xs:complexType></pre> |
|--|--|

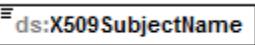
element X509DataType/X509IssuerSerial

| | |
|------------|---|
| diagram |  |
| namespace | http://www.w3.org/2000/09/xmldsig# |
| type | ds:X509IssuerSerialType |
| properties | content complex |
| children | ds:X509IssuerName ds:X509SerialNumber |
| source | <pre><xs:element name="X509IssuerSerial" type="ds:X509IssuerSerialType"/></pre> |

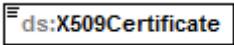
element X509DataType/X509SKI

| | |
|------------|---|
| diagram |  |
| namespace | http://www.w3.org/2000/09/xmldsig# |
| type | xs:base64Binary |
| properties | content simple |
| source | <pre><xs:element name="X509SKI" type="base64Binary"/></pre> |

element X509DataType/X509SubjectName

| | |
|------------|---|
| diagram |  |
| namespace | http://www.w3.org/2000/09/xmldsig# |
| type | xs:string |
| properties | content simple |
| source | <pre><xs:element name="X509SubjectName" type="string"/></pre> |

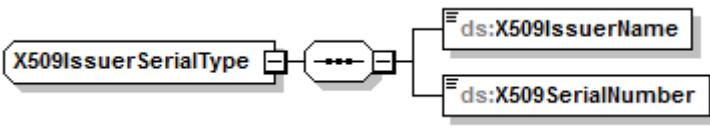
element X509DataType/X509Certificate

| | |
|------------|---|
| diagram |  |
| namespace | http://www.w3.org/2000/09/xmldsig# |
| type | xs:base64Binary |
| properties | content simple |
| source | <xs:element name="X509Certificate" type="base64Binary"/> |

element X509DataType/X509CRL

| | |
|------------|---|
| diagram |  |
| namespace | http://www.w3.org/2000/09/xmldsig# |
| type | xs:base64Binary |
| properties | content simple |
| source | <xs:element name="X509CRL" type="base64Binary"/> |

complexType X509IssuerSerialType

| | |
|-----------|---|
| diagram |  |
| namespace | http://www.w3.org/2000/09/xmldsig# |
| children | ds:X509IssuerName ds:X509SerialNumber |
| used by | element X509DataType/X509IssuerSerial |
| source | <pre><xs:complexType name="X509IssuerSerialType"> <xs:sequence> <xs:element name="X509IssuerName" type="string"/> <xs:element name="X509SerialNumber" type="integer"/> </xs:sequence> </xs:complexType></pre> |

element X509IssuerSerialType/X509IssuerName

| | |
|------------|--|
| diagram |  ds:X509IssuerName |
| namespace | http://www.w3.org/2000/09/xmldsig# |
| type | xs:string |
| properties | content simple |
| source | <xs:element name= "X509IssuerName" type= "string" /> |

element X509IssuerSerialType/X509SerialNumber

| | |
|------------|--|
| diagram |  ds:X509SerialNumber |
| namespace | http://www.w3.org/2000/09/xmldsig# |
| type | xs:integer |
| properties | content simple |
| source | <xs:element name= "X509SerialNumber" type= "integer" /> |

simpleType CryptoBinary

| | |
|------------|--|
| namespace | http://www.w3.org/2000/09/xmldsig# |
| type | xs:base64Binary |
| properties | base base64Binary |
| used by | elements RSAKeyValue-Type/Exponent DSAKeyValue-Type/G DSAKeyValue-Type/J RSAKeyValue-Type/Modulus DSAKeyValue-Type/P DSAKeyValue-Type/PgenCounter DSAKeyValue-Type/Q DSAKeyValue-Type/Seed DSAKeyValue-Type/Y |
| source | <xs:simpleType name= "CryptoBinary" > <xs:restriction base= "base64Binary" /> </xs:simpleType> |

simpleType DigestValueType

| | |
|------------|-------------------------------------|
| namespace | http://www.w3.org/2000/09/xmldsig# |
| type | xs:base64Binary |
| properties | base base64Binary |
| used by | element DigestValue |

| | |
|--------|--|
| source | <pre><xs:simpleType name="DigestValueType"> <xs:restriction base="base64Binary"/> </xs:simpleType></pre> |
|--------|--|

simpleType HMACOutputLengthType

| | |
|------------|--|
| namespace | http://www.w3.org/2000/09/xmldsig# |
| type | xs:integer |
| properties | base integer |
| used by | element SignatureMethodType/HMACOutputLength |
| source | <pre><xs:simpleType name="HMACOutputLengthType"> <xs:restriction base="integer"/> </xs:simpleType></pre> |

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VERSAO PRELIMINAR