



BRASIL-ID

Manual de Orientação do Contribuinte Brasil-ID

Cartão de Documentos Fiscais Eletrônico – CDF-e

Versão Preliminar

Versão 1.0

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**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
CDF-e	Cartão de documentos Fiscais eletrônico
CID	CardID (Identificador do cartão)
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>
MDF-e	Manifesto Eletrônico de Documentos Fiscais
NF-e	Nota Fiscal Eletrônica
OBUID	<i>On Board Unit Identifier</i>
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>
TID	TagID (Identificador de tag)

URL *Uniform Resource Locator*

WSDL *Web Services Description Language*

XML *EXtensible Markup Language*

VERSAO PRELIMINAR

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 Cartão de Documentos Fiscais eletrônico (“CDF-e”). O documento apresenta a finalidade desta tecnologia e sua arquitetura de comunicação e visa auxiliar a 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 CDF-e no BON-BrID contempla a utilização em território nacional de um transponder RFID ou de um *smart card* (dependendo do cenário de aplicação) para agregação em uma mídia única dos documentos fiscais utilizados em um fluxo logístico (NF-e, MDF-e, entre outros), otimizando os processos fiscais de conferência e validação de dados e aumentando a segurança do processo como um todo.

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 da mídia por meio da tecnologia de radiofrequência e protocolos de comunicação que devem ser utilizados pelos participantes¹.

2.1 CARTÃO DE DOCUMENTOS FISCAIS ELETRÔNICO

O Cartão de documentos fiscais eletrônico (“CDF-e”) pode ser um transponder RFID semi-ativo ou um *smart card* (cartão) que permite o acesso aos documentos fiscais relacionados com a carga de um veículo em um evento de viagem, por meio do BON-BrID e, dessa forma pode identificar unicamente a carga relacionada no evento.

O fluxo do CDF-e contempla desde operações envolvendo a mídia para o CDF-e até operações relativas à utilização da tecnologia, ou seja, desde a gravação de um novo transponder ou cartão, sua inicialização como CDF-e no sistema do Back Office, até a leitura do CDF-e por um equipamento de leitura RFID para obtenção dos dados.

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

2.1.1 DESCRIÇÃO SIMPLIFICADA DO MODELO OPERACIONAL

Neste documento serão apresentadas as interfaces de comunicação da mídia que origina o CDF-e, tratada como tag e do CDF-e já inicializado no sistema do Back Office, assim como do CDF-e enquanto *smart card*.

2.1.1.1 MODELO OPERACIONAL NO CONTEXTO DA TAG

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,

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. É válido destacar que as regras para descarte serão tratadas em documentos específico.

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 de mídias, representado por um número aleatório gerado pelo fabricante da mídia), tornando a tag pronta para ser vendida a uma operadora³.

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 pode realizar dois tipos de procedimento para continuar o fluxo de uso da tag: gravar a tag associando-a diretamente ao MDF-e da viagem (forma de inicialização recomendada) ou inicializar a tag gravando-a com um OBUID⁴ gerado pelo sistema. No segundo caso, é necessário que posteriormente a tag gravada seja associada ao MDF-e da viagem.

A partir deste momento, o CDF-e está ativo e novos documentos fiscais, relacionados à carga podem ser associados a ele – a qualquer momento – até que a tag seja descartada⁵ ao final do fluxo logístico. Além disso, o objetivo do uso do transponder CDF-e é permitir que durante o fluxo este possa ser utilizado para obtenção de eventos de passagem que permitam a visualização das informações, por meio de leitores RFID instalados nos postos fiscais.

É válido destacar que o CDF-e pode ser utilizado conjuntamente com o IVC-e (Identificador de veículos de carga eletrônico), neste caso, é importante que um IVC-e esteja previamente vinculado ao veículo e no caso de um evento de passagem, será criado um vínculo entre os dados do IVC-e e do CDF-e que pode ser consultado no sistema do BON-BrID.

No sistema do Back Office, um CDF-e pode conter:

- Um MDF-e (Manifesto eletrônico de documentos fiscais)
- Zero ou mais NF-e (Nota fiscal eletrônica)
- Zero ou mais CT-e (Conhecimento de transporte eletrônico)

³ Operadora BrasilID:Representa a operadora do sistema dentro do domínio das operadoras participantes do projeto Brasil-Id.

⁴ OBUID: Refere-se ao código identificador único de um determinado transponder.

⁵ As regras para descarte serão tratadas em documentos específico.

Sendo que a tag CDF-e contém a chave do MDF-e ou OBUID que permite acessar os documentos eletrônicos, armazenados no BON-BrID, vinculados a ela.

2.1.1.2 MODELO OPERACIONAL NO CONTEXTO DO *SMART CARD*

O fluxo do *smart card* é similar ao do transponder, sendo que a operação inicia-se com a requisição por parte da fábrica de cartões, através de um aplicativo cliente, de uma lista de novos identificadores para cartões fabricados. Esta requisição exige a aprovação pelo CCD⁶, enquanto o resultado da aprovação não for disponibilizado o aplicativo cliente fará a consulta do estado da solicitação.

Uma vez aprovado, o estado da requisição é alterado e a fábrica pode recuperar a lista de identificadores de cartões solicitada e libera-los para venda a uma operadora. O registro de uma venda é realizado pela fábrica por meio do envio da lista de identificadores de cartões à operadora associada, esta operação deve ser confirmada pela operadora, efetivando a compra de cartões.

Finalizada a compra, a operadora deve inicializar o cartão e associá-lo aos documentos de uma viagem como documentos fiscais (MDF-e, CT-e e NF-e) ou demais documentos pertinentes. Quando não houver mais documentos para serem associados, o processo de adição de documentos deve ser finalizado. A partir deste momento, o CDF-e está pronto para ser gravado e novos documentos não podem ser associados a ele. Após a gravação do cartão, efetivando a adição física dos documentos no cartão, o mesmo está pronto para o uso e caracteriza-se como mídia representativa dos documentos da viagem até que seja descartado ao final do fluxo logístico.

O objetivo principal do cartão é permitir que durante o fluxo da viagem, o CDF-e possa ser utilizado para obtenção de eventos, por meio de tecnologia RFID, que permitam a visualização das informações da carga. O diferencial do cartão é permitir a leitura mesmo em ambientes sem disponibilidade de conexão ao BON-BrID, desde que as chaves de segurança estejam previamente carregadas no dispositivo utilizado para leitura do cartão.

No sistema do Back Office, um CDF-e pode conter:

- Um MDF-e (Manifesto eletrônico de documentos fiscais)
- Zero ou mais NF-e (Nota fiscal eletrônica)
- Zero ou mais CT-e (Conhecimento de transporte eletrônico)

⁶ O Comitê Certificador Designado (CCD): é o encarregado de aprovar as requisições de emissão de identificadores de transponders e identificadores de cartão (TIDs e CIDs) para o processo de fabricação.

Sendo que, o cartão representando o CDF-e contém documentos eletrônicos armazenados em sua memória interna, que também estão armazenados no BON-BrID.

3 ARQUITETURA DE COMUNICAÇÃO

Esta seção aborda as interfaces de comunicação do BON-BrID utilizadas no contexto do CDF-e.

3.1 MODELO CONCEITUAL

O BON-BrID proverá *Web Services* para utilização do CDF-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) CDF-e (tag ou cartão inicializado)
 - 1) Requisição de chaves
 - i. Todas as chaves
 - ii. Filtro por data inicial
 - iii. Filtro para chaves com paginação
 - iv. Filtro por quantidade de chaves
 - 2) Inicialização de tag como CDF-e
 - 3) Gravação de transponder CDF-e

- 4) Recuperação do estado da inicialização de tag como CDF-e
 - 5) Recuperação do estado da gravação de transponder CDF-e
 - 6) Gravação de documentos no CDF-e
 - i. Adição de documentos
 - ii. Finalização de gravação
 - 7) Gravação de *smart card* como CDF-e
 - 8) Busca de documentos MDF-e
 - 9) Associação de transponder CDF-e
 - 10) Encerramento de transporte utilizando CDF-e
- c) *Smart card* (mídia em cartão para o CDF-e não inicializado)
- 1) Requisição de identificadores de *smart card*
 - 2) Recuperação de identificadores de *smart card*
 - 3) Confirmação de requisição de identificadores de *smart card*
 - 4) Cancelamento de requisição de identificadores de *smart card*
 - 5) Registro de venda de *smart card*
 - 6) Recuperação de Informações sobre a venda de *smart card*
 - 7) Confirmação de venda de *smart card*
 - 8) Cancelamento de venda de *smart card*
 - 9) Recuperação do estado da venda de *smart card*
- d) Sefaz (interface para comunicação com Secretaria da Fazenda)
- 1) Busca de passagens filtradas por MDF-e
 - 2) Busca de passagens filtradas por SLD (antenas)
 - 3) Recuperação de lista de SLD cadastrados (antenas)
 - 4) Configuração de SLD (antena)
- e) Fiscal (interface para comunicação com postos fiscais)
- 1) Listagem de chaves criptográficas das tags (grupos OBuid)

- 2) Listagem de associação entre veículos e IVC-e
- 3) Listagem de associação entre CDF-e (tags) e MDF-e
- 4) Busca de passageiros de CDF-e
 - i. Filtro por quantidade
 - ii. Filtro por período

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 BON-BrID. 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.

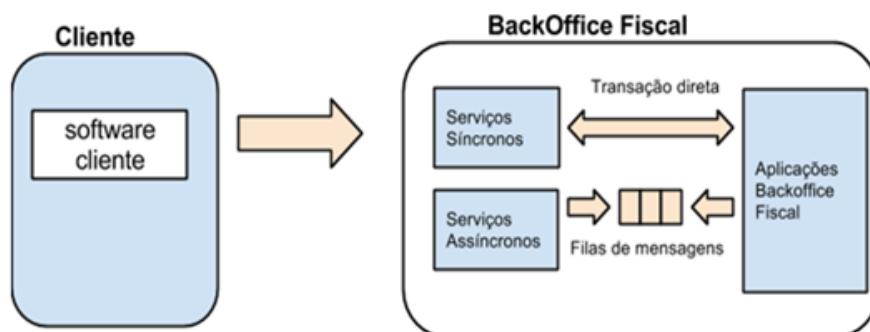


Figura 3-1 - Ilustração do fluxo conceitual de comunicação

A Figura 3-3 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 BON-BrID 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 BON-BrID e os sistemas clientes será realizada no padrão SOAP, com troca de mensagens XML no padrão *Style/Encoding: Document/Literal, wrapped*. A opção “wrapped” representa a chamada aos métodos disponíveis com a passagem de mais 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>DQA1Q2rzFNwFLTu+6VB/krr4YDU=</ds:DigestValue>
                </ds:Reference>
            </ds:SignedInfo>
            <ds:SignatureValue>cHEORiM3a112DPVbZnU5/ofrlAYx6ksdcB2DtrwEvEuF6w8fL0tyB71hIAy12mJ9XLzpWiyqybYs
mQs4+IYS5ITzxW36ztvoqUzCixh19uGpZHCSFpVGZeF44H85vP31VlmhGjQ0VVsqq31rvZR84khYwA32BF93KAVZ6VCuMGgRFFYoT25avHuBdxz1Nyos3VuVRAlLAKc125k+jol8qbyFSWcwpD+A8kKT3vjjcAmMvP5HinZ78Uxf26wzuOFzvQ+uFwiX2EjN3Q1jntGYtvVmQY11JAuhTUc2hOi7CRyU/8wjigQKONG6zVVQQAiKqKgv563tGLzhCZU/fWA==</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:buscaDocumentosMDFe xmlns:ns3="http://webservices.brasil-id.org.br/cdfe/" xmlns:ns2="http://www.w3.org/2000/09/xmldsig#">
        <chaveMDFe>42121109376619000170580010000000201121757819</chaveMDFe>
        <Signature Id="1" />
    </ns3:buscaDocumentosMDFe>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

3.2.2 PADRÃO DE CERTIFICADO DIGITAL

O certificado digital utilizado no BON-BrID 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 BON-BrID, equipamentos e sistemas. O certificado digital será utilizado para identificação das entidades, informando ao Back Office, 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 CDF-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 SSL⁷:

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

As mensagens enviadas aos *Web Services* do BON-BrID 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 CDF-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

⁷ OpenSSL: <http://www.openssl.org/docs/HOWTO/keys.txt>

S4	ds:Signature	G	S3	-	1-1			Grupo da assinatura
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 algoritimo 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 - BAsé64 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:

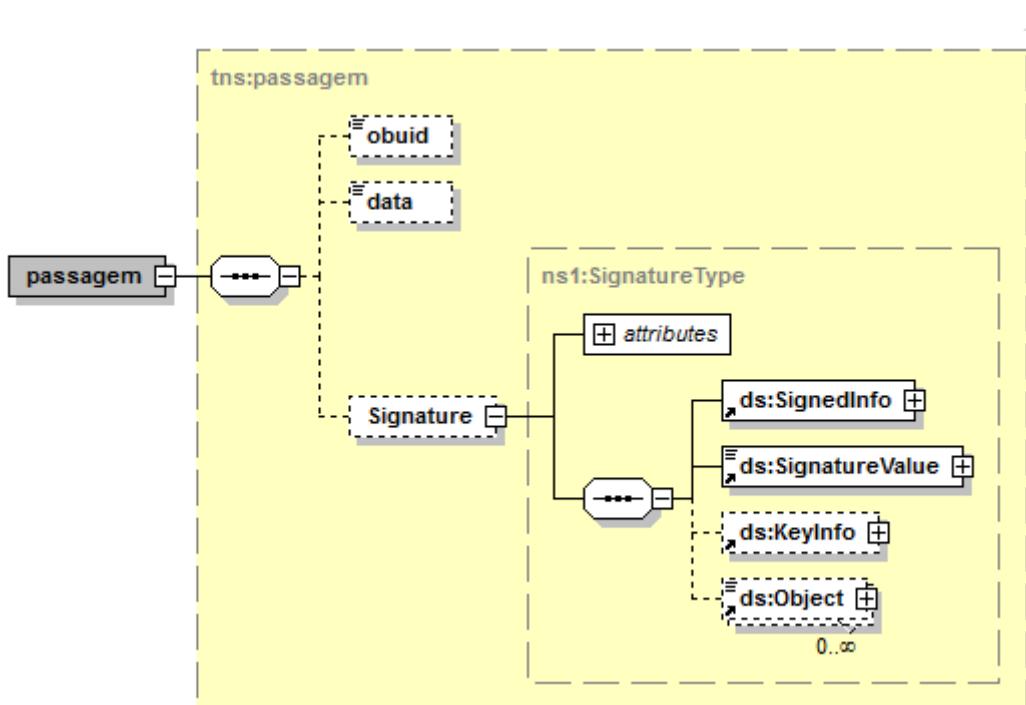


Figura 3-2 - Diagrama contendo a estrutura da assinatura

3.2.4 VALIDAÇÃO DE ASSINATURA DIGITAL PELO BON-BRID

Para a validação da assinatura digital, seguem as regras que serão adotadas pelo BON-BrID:

- 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 <i>Enveloped</i> 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 CDF-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

CDF-e (tag ou smart card inicializado)

Serviço	Implementação
Requisição de chaves	Síncrono
Requisição de chaves por data inicial	Síncrono
Requisição de chaves com paginação	Síncrono
Requisição de chaves por quantidade	Síncrono
Inicialização de tag como CDF-e	Assíncrono
Gravação de transponder CDF-e	Assíncrono
Recuperação do estado da inicialização de tag como CDF-e	Síncrono
Recuperação do estado da gravação de transponder CDF-e	Síncrono
Gravação de documentos no CDF-e	Síncrono
Adição de documentos	Síncrono
Finalização de gravação	Síncrono
Gravação de smart card como CDF-e	Assíncrono
Busca de documentos MDF-e	Síncrono
Associação de transponder CDF-e	Síncrono
Encerramento de transporte utilizando CDF-e	Síncrono

Smart card (mídia em cartão para o CDF-e não inicializado)

Serviço	Implementação
Requisição de identificadores de smart card	Assíncrono
Recuperação de identificadores de smart card	Síncrono
Confirmação de requisição de identificadores de smart card	Síncrono
Cancelamento de requisição de identificadores de smart card	Síncrono
Registro de venda de smart card	Assíncrono
Recuperação de Informações sobre a venda de smart card	Síncrono
Confirmação de venda de smart card	Síncrono
Cancelamento de venda de smart card	Síncrono
Recuperação do estado da venda de smart card	Síncrono

Sefaz (interface para comunicação com Secretaria da Fazenda)

Serviço	Implementação

Busca de passagens filtradas por MDF-e	Síncrono
Busca de passagens filtradas por SLD (antenas)	Síncrono
Recuperação de lista de SLD cadastrados (antenas)	Síncrono
Configuração de SLD (antena)	Síncrono
Fiscal (interface para comunicação com postos fiscais)	
Serviço	Implementação
Listagem de chaves criptográficas das tags (grupos OBuid)	Síncrono
Listagem de associação entre veículos e IVC-e	Síncrono
Listagem de associação entre CDF-e (tags) e MDF-e	Síncrono
Busca de passagens de CDF-e por quantidade	Síncrono
Busca de passagens de CDF-e por período	Síncrono

3.3.1 SERVIÇOS SÍNCRONOS

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



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 CDF-e responsável pelo processamento;
- 3) O aplicativo do CDF-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:

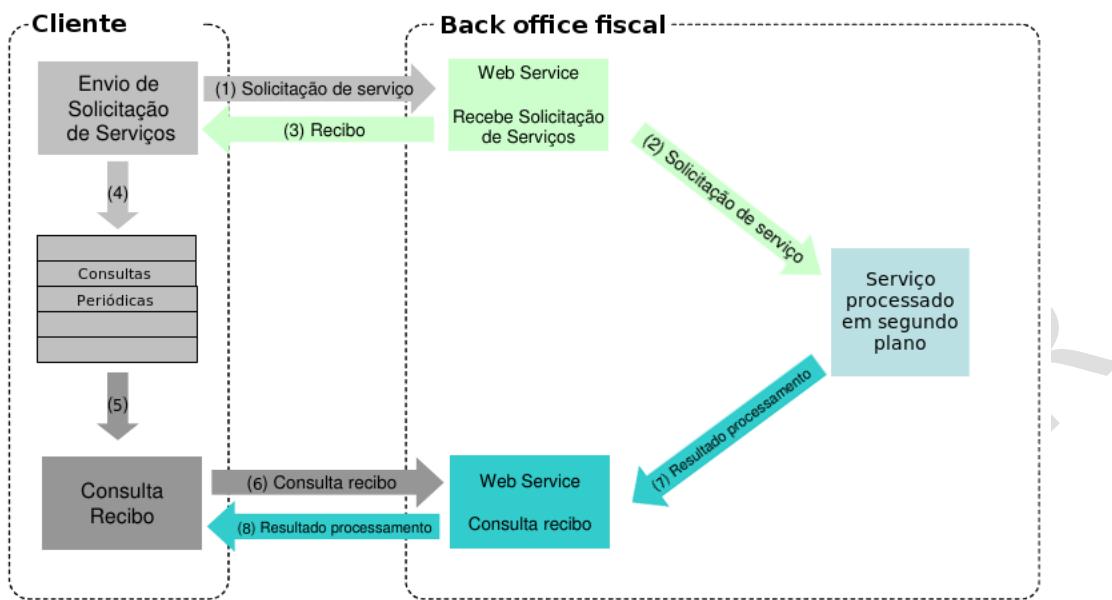


Figura 3-4 - Ilustração de serviço assíncrono

- 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>fRHQJQYdJcJPf9aSTgW8u6d01dwhVzHWcpCsIpQmA5Exd+4agFp631raJEI
kxWaJXcUjhUn1PiUm
Up3HBJO/mhbcEjuQruB9/HGAg1XBvaKcDki5j3quvKbFXYXTUiT5StTPDz8BPES8IL89s19JfsZ1
SToZj5y/b1mJM7QTfxvie+T9L8cV/gVeUN2rlDAfRZCxAzIzIpZ4NEpDxc0EkYeXXJLiUfEYCXct
IfKFSKZ62S9tR9to/jy+nSS1VDi7qAI+WH5f5ZocCk5VUhZBXzMeRipdBZ27hZPwSLKafkQ5fJ1a
CjoYpp1lF/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:buscaDocumentosMDFe xmlns:ns3="http://webservices.brasil-id.org.br/cdfe/" xmlns:ns2="http://www.w3.org/2000/09/xmldsig#">
        <chaveMDFe>42121109376619000170580010000000201121757819</chaveMDFe>
        <Signature Id="1" />
    </ns3:buscaDocumentosMDFe>
</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 BackOfficeBrasilIdCDFe.xsd, BackOfficeBrasilIdTag.xsd, BackOfficeBrasilIdSmartCard.xsd e BackOfficeBrasilIdFiscal.xsd e BackOfficeBrasilIdSefaz.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 das seções 4.2, 4.3, 4.4, 4.5 e 4.6 deste 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)

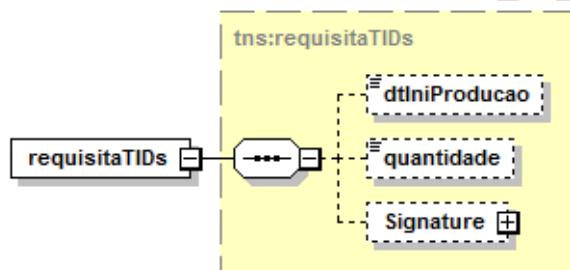
3.5.1.1 REQUISIÇÃO DE IDENTIFICADORES DE TRANSPONDERS

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:

**Figura 3-6 - Diagrama de requisitaTIDs****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	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.

Diagrama simplificado de resposta:

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 operação criado pela fabrica, por meio do requ

Figura 3-7- Diagrama de requisitaTIDs Response

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

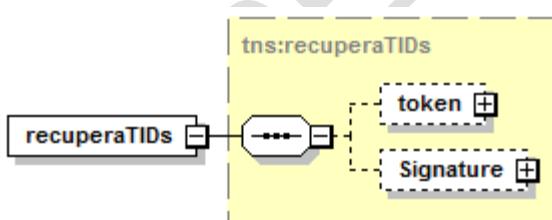


Figura 3-8 - Diagrama de entrada recuperaTIDs

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

#	Campo	Ele	Pai	Tipo	Ocor.	Tam.	Dec.	Descrição/Obs.
P01	recuperaTIDsResponde	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.

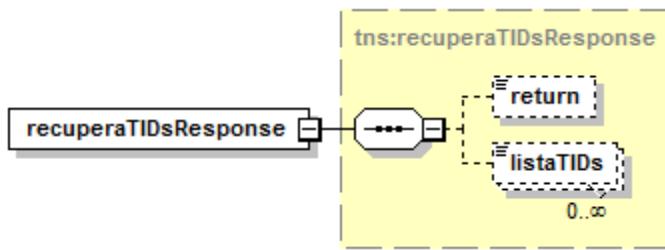


Figura 3-9 - Diagrama de resposta de recuperar TIDs

3.5.1.3 CONFIRMAÇÃO DE REQUISIÇÃO DE IDENTIFICADORES DE TRANSPONDERS

Serviço fornecido para que o CCD⁸ (Comitê Certificador Designado) realize a confirmação (ou recusa)⁹ 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

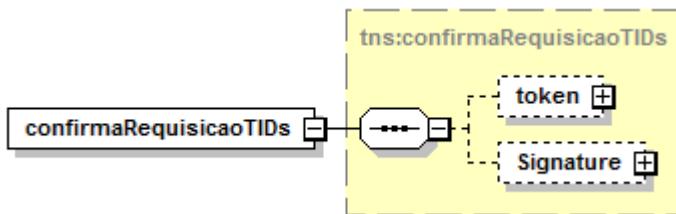


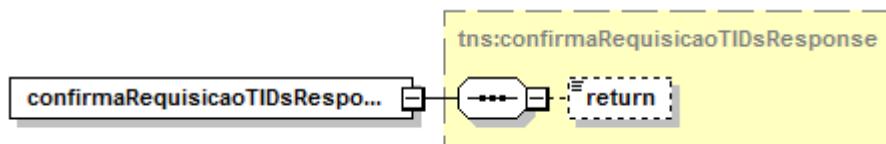
Figura 3-10 - Diagrama de confirmação de requisição TIDs

⁸ 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.

⁹ As regras de aceitação e recusa do CCD serão tratadas em documento específico.

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

**Figura 3-11 - Diagrama de resposta de confirmação requisição TID's**

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

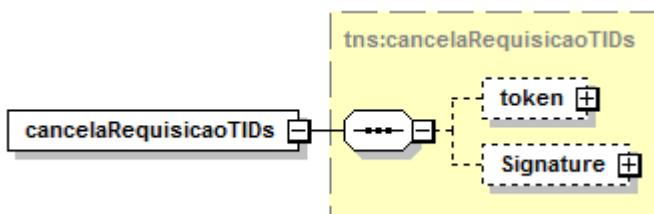
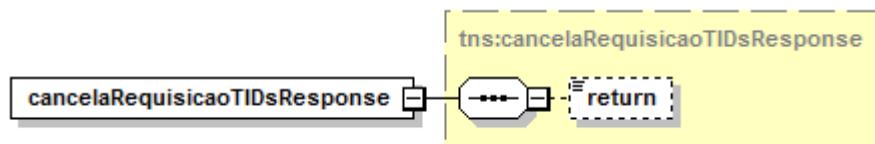
**Figura 3-12 - Diagrama de cancela requisição TID's**

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 resposta de cancelamento de requisição TID's**

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

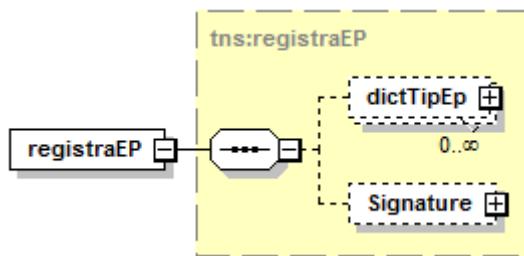
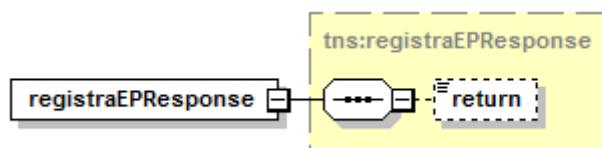
**Figura 3-14 - Diagrama registra EP**

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

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

**Figura 3-15 - Diagrama de resposta de registro EP**

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

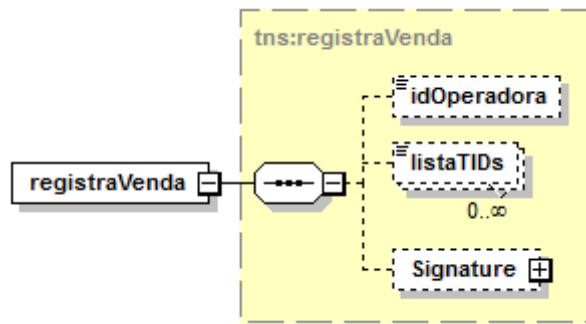


Figura 3-16 - Diagrama de regista venda

Tabela 3-15 - Mensagem de resposta de registro de venda

#	Campo	Ele	Pai	Tipo	Ocor.	Tam.	Dec.	Descrição/Obs.
P01	registaVendaResponde	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.

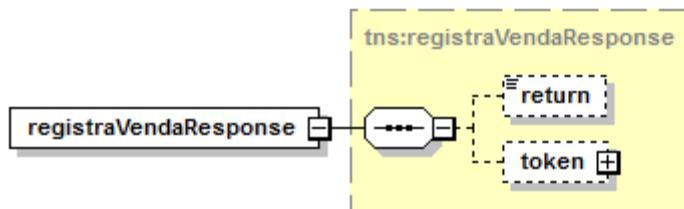


Figura 3-17 - Diagrama de resposta de regista venda

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	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
-----	-----------	---	-----	-----	-----	--	--	--------------------------------

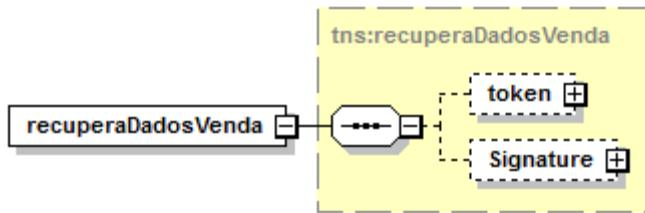


Figura 3-18 - Diagrama de recuperar dados venda

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.

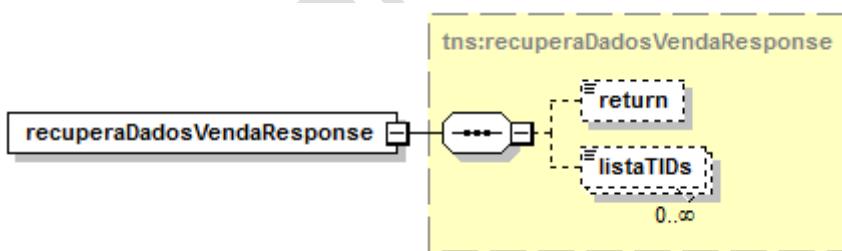


Figura 3-19 - Diagrama de resposta de recuperar dados venda

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

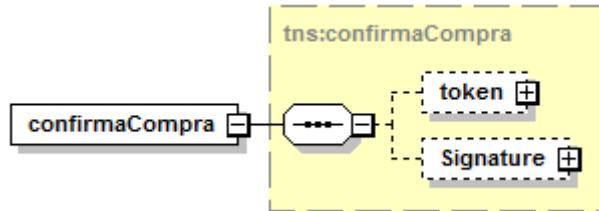


Figura 3-20 - Diagrama de confirmação de compra

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

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

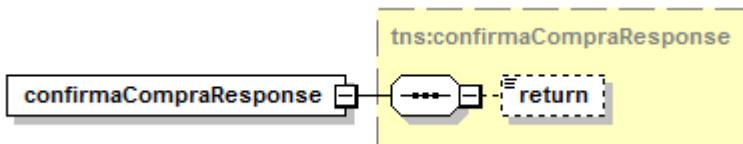


Figura 3-21 - Diagrama de resposta de confirmação de compra

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

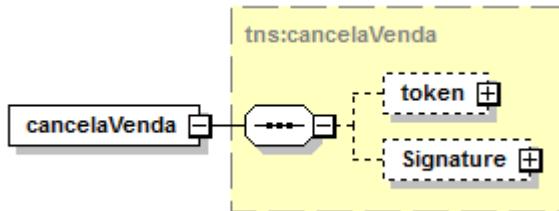


Figura 3-22 - Diagrama cancela venda

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

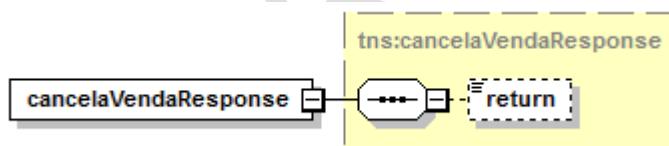


Figura 3-23 - Diagrama de resposta de cancela venda

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 status da venda

#	Campo	Ele	Pai	Tipo	Ocor.	Tam.	Dec.	Descrição/Obs.
P01	recuperaStatusVenda	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

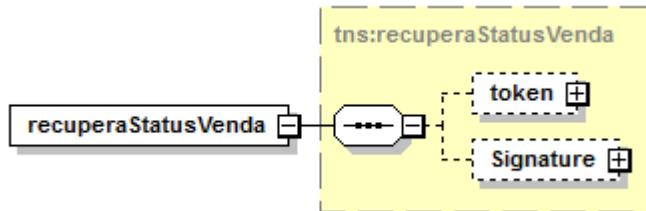


Figura 3-24 - Diagrama recupera status venda

Tabela 3-23 - Mensagem de resposta de recuperação do status 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

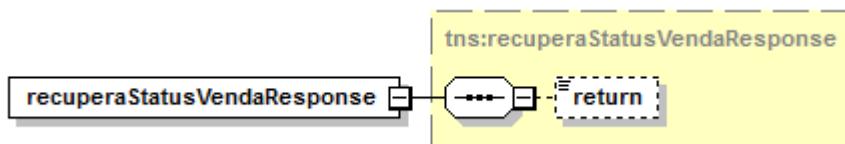


Figura 3-25 - Diagrama de resposta de recupera status venda

3.5.2 CDF-E (TAG INICIALIZADA)

3.5.2.1 REQUISIÇÃO DE CHAVES

Serviço do BON-BrID (requisitaChaves) que permite ao usuário carregar uma lista com as chaves de segurança armazenadas no Back Office. Abaixo são apresentadas as tabelas e diagramas de requisição e resposta do método.

Tabela 3-24 - Mensagem de requisita chaves

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

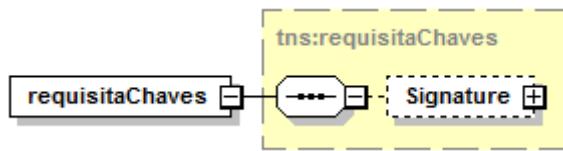


Figura 3-26 - Diagrama de requisita chaves

Tabela 3-25 - Mensagem de resposta de requisita chaves

#	Campo	Ele	Pai	Tipo	Ocor.	Tam.	Dec.	Descrição/Obs.
P01	requisitaChavesResponse	Raiz	-	-	-	-		TAG raiz
P02	return	E	P01	xml	1-1	-	-	Estrutura contendo o código de retorno da chamada
P03	chaves	E	P01	xml	1-1	-	-	Chaves de acesso ao CDF-e

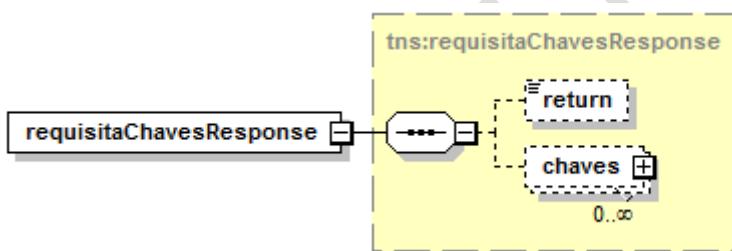


Figura 3-27 - Diagrama de resposta de requisita chaves

3.5.2.2 REQUISIÇÃO DE CHAVES POR DATA INICIAL

Serviço do BON-BrID (requisitaChavesPorDataInicial) que permite ao usuário carregar uma lista com as chaves de segurança do Back Office, limitando-se a data de início. Abaixo são apresentadas as tabelas e diagramas de requisição e resposta do método.

Tabela 3-26 - Mensagem de requisita chaves por data inicial

#	Campo	Ele	Pai	Tipo	Ocor.	Tam.	Dec.	Descrição/Obs.
P01	requisitaChavesPorDataInicial	Raiz	-	-	-	-		TAG raiz
P02	dtInicio	E	P01	D	1-1	-	-	Data de início de validade das chaves
P03	Signature	E	P01	xml	1-1	-	-	Assinatura digital da mensagem

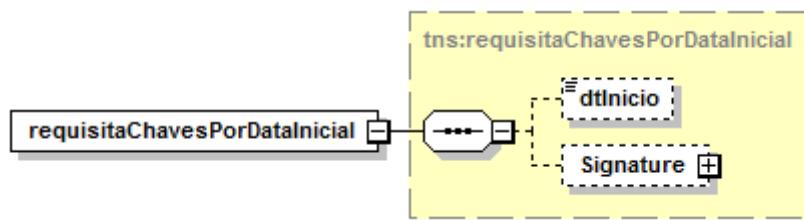


Figura 3-28 - Diagrama de requisita chaves por data inicial

Tabela 3-27 - Mensagem de resposta de requisita chaves por data inicial

#	Campo	Ele	Pai	Tipo	Ocor.	Tam.	Dec.	Descrição/Obs.
P01	requisitaChavesPorDataInicialResponse	Raiz	-	-	-	-	-	TAG raiz
P02	return	E	P01	xml	1-1	-	-	Estrutura contendo o código de retorno da chamada
P03	chaves	E	P01	xml	1-1	-	-	Chaves de acesso ao CDF-e

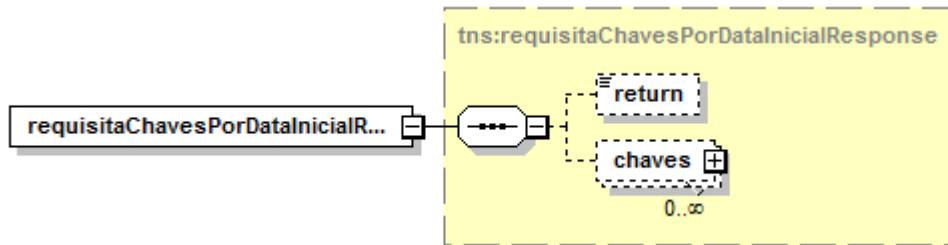


Figura 3-29 - Diagrama de resposta de requisita chaves por data inicial

3.5.2.3 REQUISIÇÃO DE CHAVES COM PAGINAÇÃO

Serviço do BON-BrID (requisitaChavesComPaginacao) que permite ao usuário carregar uma lista com as chaves de segurança do Back Office, limitando o índice inicial e a quantidade de registros retornados. Abaixo são apresentadas as tabelas e diagramas de requisição e resposta do método.

Tabela 3-28 - Mensagem de requisita chaves com paginação

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

P02	dtInicio	E	P01	D	1-1	-	-	Data de início de validade das chaves
P03	registroInicial	E	P01	N	1-1	9	-	Índice do registro inicial da busca realizada
P04	qtdRegistros	E	P01	N	1-1	9	-	Quantidade desejada de registros na busca realizada
P05	Signature	E	P01	xml	1-1	-	-	Assinatura digital da mensagem

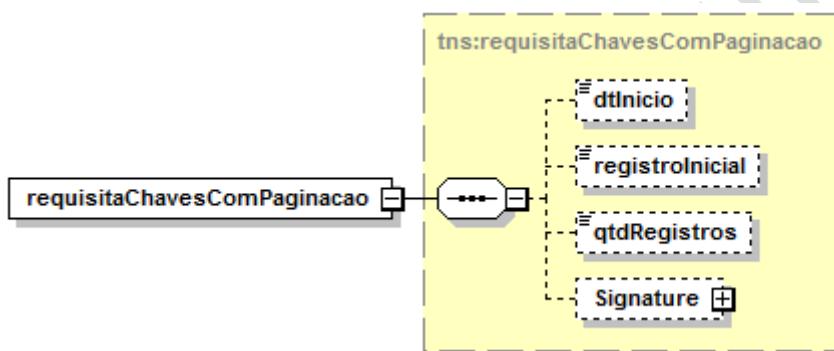


Figura 3-30 - Diagrama de requisita chaves com paginação

Tabela 3-29 - Mensagem de resposta de requisita chaves com paginação

#	Campo	Ele	Pai	Tipo	Ocor.	Tam.	Dec.	Descrição/Obs.
P01	requisitaChavesComPaginacaoResponde	Raiz	-	-	-	-		TAG raiz
P02	return	E	P01	xml	1-1	-	-	Estrutura contendo o código de retorno da chamada
P03	chaves	E	P01	xml	1-1	-	-	Chaves de acesso ao CDF-e

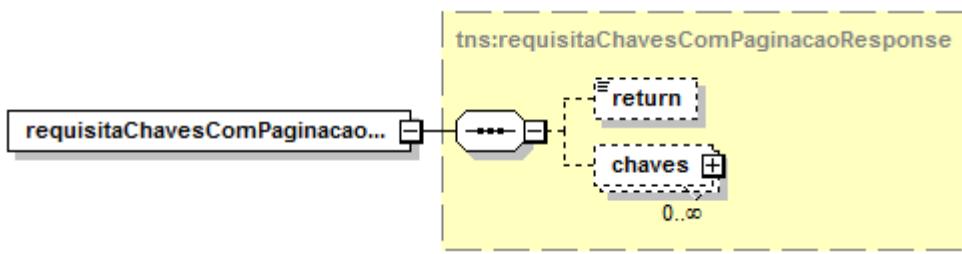


Figura 3-31 - Diagrama de resposta de requisita chaves com paginação

3.5.2.4 REQUISIÇÃO DE CHAVES POR QUANTIDADE

Serviço do BON-BrID (requisitaQuantidadeChaves) que permite ao usuário requisitar a quantidade total de chaves do CDF-e armazenadas no sistema. Abaixo são apresentadas as tabelas e diagramas de requisição e resposta do método.

Tabela 3-30 - Mensagem de requisita quantidade de chaves

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

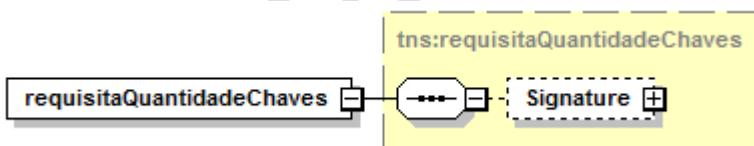
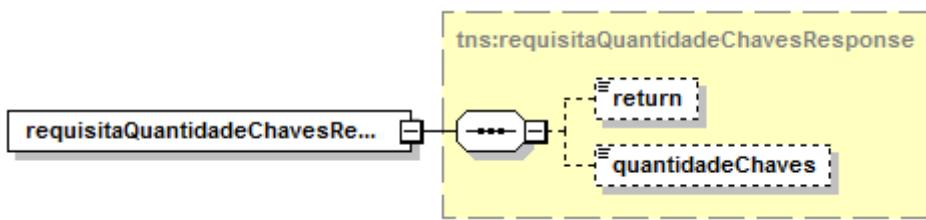


Figura 3-32 - Diagrama de requisita quantidade de chaves

Tabela 3-31 - Mensagem de resposta de requisita quantidade de chaves

#	Campo	Ele	Pai	Tipo	Ocor.	Tam.	Dec.	Descrição/Obs.
P01	requisitaQuantid adeChavesRespo nse	Raiz	-	-	-	-		TAG raiz
P02	return	E	P01	xml	1-1	-	-	Estrutura contendo o código de retorno da chamada
P03	quantidadeChave s	E	P01	N	1-1	18	-	Quantidade de chaves de acesso ao CDF-e

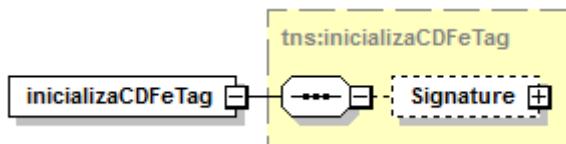
**Figura 3-33 - Diagrama de resposta de requisita chaves**

3.5.2.5 INICIALIZAÇÃO DE TAG COMO CDF-E

Serviço do BON-BrID (inicializaCDFeTag) que permite que o usuário inicializar uma tag como um CDF-e, neste caso será gerado um obuid aleatório pelo Back Office e gravado na tag, esta tag será posteriormente associada a um MDF-e. Abaixo são apresentadas as tabelas e diagramas de requisição e resposta do método.

Tabela 3-32 - Mensagem de inicializa CDF-e Tag

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

**Figura 3-34 - Diagrama de inicializa CDF-e Tag****Tabela 3-33 - Mensagem de resposta de inicializa CDF-e Tag**

#	Campo	Ele	Pai	Tipo	Ocor.	Tam.	Dec.	Descrição/Obs.
P01	inicializaCDFeTag Response	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.

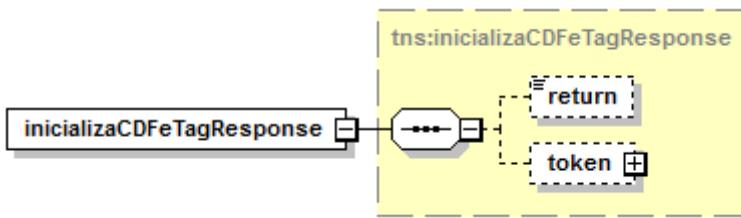


Figura 3-35 - Diagrama de resposta de inicializa CDF-e Tag

3.5.2.6 GRAVAÇÃO DE TRANSPONDER CDF-E

Serviço do BON-BrID (gravaCDFeTag) que permite ao usuário gravar uma Tag como CDF-e, associando imediatamente um MDF-e à tag, desta forma a chave do MDF-e será armazenada internamente na TAG. Abaixo são apresentadas as tabelas e diagramas de requisição e resposta do método.

Tabela 3-34 - Mensagem grava CDF-e Tag

#	Campo	Ele	Pai	Tipo	Ocor.	Tam.	Dec.	Descrição/Obs.
P01	gravaCDFeTag	Raiz	-	-	-	-		TAG raiz
P02	chaveMDFe	E	P01	C	1-1	-	-	Chave do MDF-e referente ao CDF-e a ser gravado
P03	placa	E	P01	C	1-1	-	-	Placa do veículo responsável pelo transporte
P04	Signature	E	P01	xml	1-1	-	-	Assinatura digital da mensagem

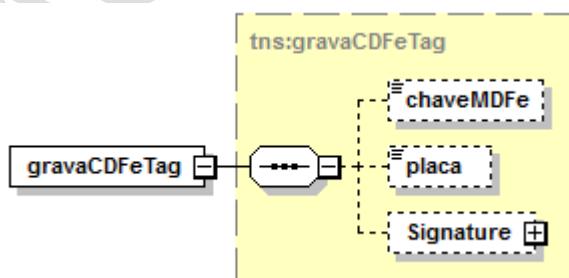


Figura 3-36 - Diagrama de grava CDF-e Tag

Tabela 3-35 - Mensagem de resosta de grava CDF-e Tag

#	Campo	Ele	Pai	Tipo	Ocor.	Tam.	Dec.	Descrição/Obs.
P01	gravaCDFeTagResponde	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.

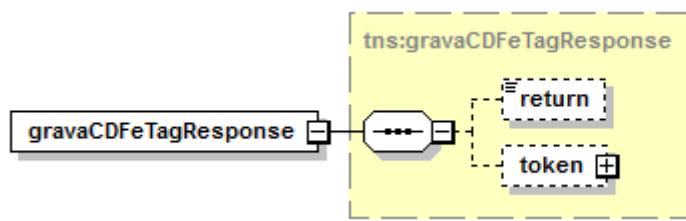


Figura 3-37 - Diagrama de resposta de grava CDF-e Tag

3.5.2.7 RECUPERAÇÃO DO ESTADO DA INICIALIZAÇÃO DE TAG COMO CDF-E

Serviço do BON-BrID (recuperaStatusGravacao) que permite ao usuário verificar o estado da inicialização de uma tag. Abaixo são apresentadas as tabelas e diagramas de requisição e resposta do método.

Tabela 3-36 - Mensagem de recupera status de inicialização

#	Campo	Ele	Pai	Tipo	Ocor.	Tam.	Dec.	Descrição/Obs.
P01	recuperaStatusIncializacao	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

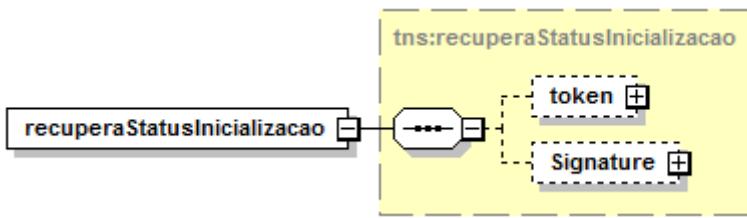
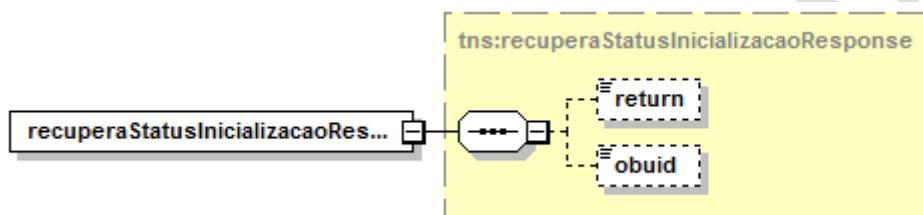


Figura 3-38 - Diagrama de recupera status de inicialização

Tabela 3-37 - Mensagem de resposta de recupera status de inicialização

#	Campo	Ele	Pai	Tipo	Ocor.	Tam.	Dec.	Descrição/Obs.
P01	recuperaStatusInicializacaoResponde	Raiz	-	-	-	-		TAG raiz
P02	return	E	P01	xml	1-1	-	-	Estrutura contendo o código de retorno da chamada
P03	obuid	E	P01	C	1-1	-	-	Identificador único da tag inicializada

**Figura 3-39 - Diagrama de resposta de recupera staus de inicialização**

3.5.2.8 RECUPERAÇÃO DO ESTADO DA GRAVAÇÃO DE TRANSPONDER CDF-E

Serviço do BON-BrID (recuperaStatusGravacao) que permite ao usuário verificar o estado da gravação. Abaixo são apresentadas as tabelas e diagramas de requisição e resposta do método.

Tabela 3-38 - Mensagem de recupera status gravação

#	Campo	Ele	Pai	Tipo	Ocor.	Tam.	Dec.	Descrição/Obs.
P01	recuperaStatusGravacao	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

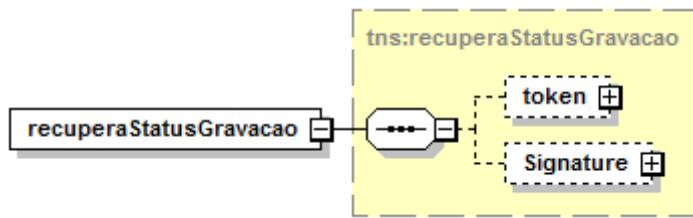


Figura 3-40 - Diagrama de recupera status de gravação

Tabela 3-39 - Mensagem de resposta de recupera status gravação

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

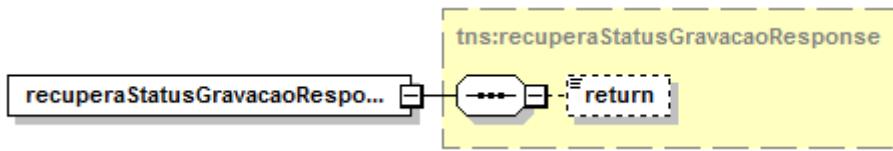


Figura 3-41 - Diagrama de resposta de recupera status de gravação

3.5.2.9 GRAVAÇÃO DE DOCUMENTOS NO CDF-E

Serviço do BON-BrID (iniciaGravacaoDocumentos) que permite que o usuário inicialize um processo de adição de documentos a um MDF-e. Abaixo são apresentadas as tabelas e diagramas de requisição e resposta do método.

Tabela 3-40 - Mensagem de inicia gravação de Documentos

#	Campo	Ele	Pai	Tipo	Ocor.	Tam.	Dec.	Descrição/Obs.
P01	iniciaGravacaoDocumentos	Raiz	-	-	-	-		TAG raiz
P02	chaveMDFe	E	P01	C	1-1	-	-	Chave do MDF-e no qual os documentos devem ser adicionados
P03	Signature	E	P01	xml	1-1	-	-	Assinatura digital da mensagem

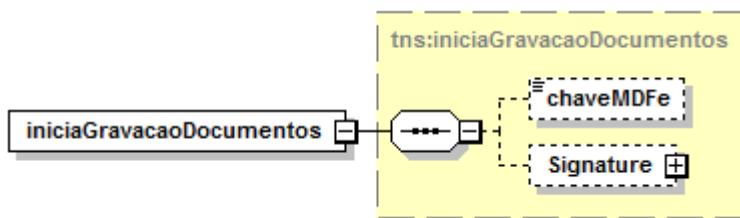


Figura 3-42 - Diagrama de inicia gravação de documentos

Tabela 3-41 - Mensagem de resposta de inicia gravação de Documentos

#	Campo	Ele	Pai	Tipo	Ocor.	Tam.	Dec.	Descrição/Obs.
P01	iniciaGravacaoDo cumentosRespon se	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.

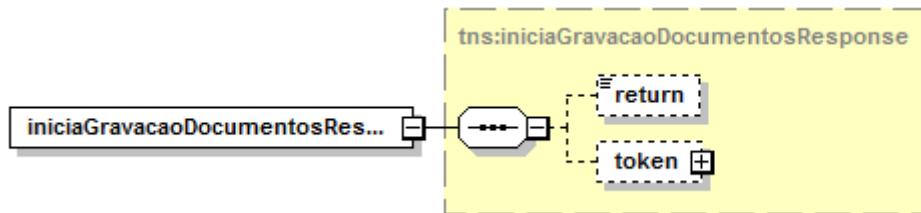


Figura 3-43 - Diagrama de resposta de inicia gravação de documentos

3.5.2.10 ADIÇÃO DE DOCUMENTOS

Serviço (adicionaDocumento) que permite que um usuário do sistema adicione documentos relativos ao fluxo de uma viagem no Back Office Fiscal, vinculando-os com um CDF-e. Abaixo são apresentadas as tabelas e diagramas de requisição e resposta do método.

Tabela 3-42 – Mensagem de adiciona documento

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

P02	token	E	P01	xml	1-1	-	-	Estrutura de dados que contém o token de requisição de serviço.
P03	documento	E	P01	xml	1-1	-	-	Estrutura que armazena os dados dos documentos utilizados no CDFe
P04	Signature	E	P01	xml	1-1	-	-	Assinatura digital da mensagem

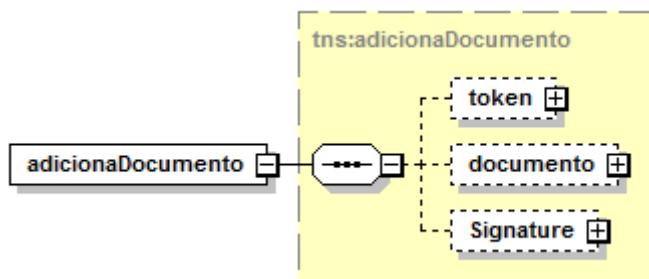


Figura 3-44 - Diagrama adciona documento

Tabela 3-43 – Mensagem de resposta de adciona documento

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

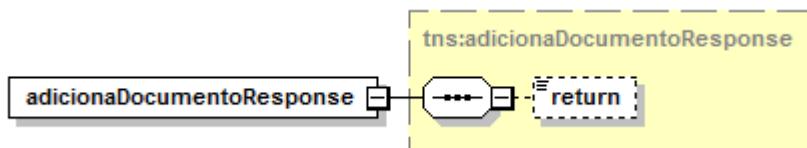


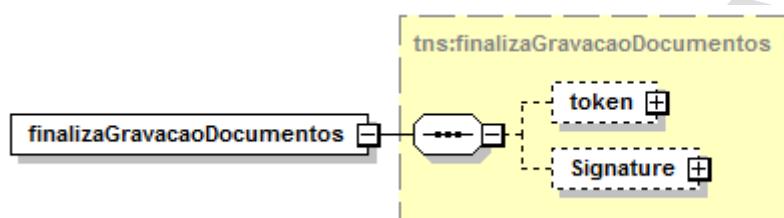
Figura 3-45 - Diagrama de resposta de adciona documento

3.5.2.11 FINALIZAÇÃO DE GRAVAÇÃO

Serviço do BON-BrID (finalizaGravacaoDocumentos) que permite ao usuário finalizar a gravação de documentos de um MDF-e. Abaixo são apresentadas as tabelas e diagramas de requisição e resposta do método.

Tabela 3-44 - Mensagem de finaliza gravação de documentos

#	Campo	Ele	Pai	Tipo	Ocor.	Tam.	Dec.	Descrição/Obs.
P01	finalizaGravacaoDocumentos	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 3-46 - Diagrama de finalização de gravação de documentos****Tabela 3-45 - Mensagem de resposta de finaliza gravação de documentos**

#	Campo	Ele	Pai	Tipo	Ocor.	Tam.	Dec.	Descrição/Obs.
P01	finalizaGravacaoDocumentosResponde	Raiz	-	-	-	-		TAG raiz
P02	return	E	P01	xml	1-1	-	-	Estrutura contendo o código de retorno da chamada
P03	qteCartoes	E	P01	N	1-1	9	-	Quantidade de SmartCards necessários para a gravação do CDF-e
P04	statusDocumentos	E	P01	xml	1-1	-	-	Lista contendo os documentos que falharam no processo de validação

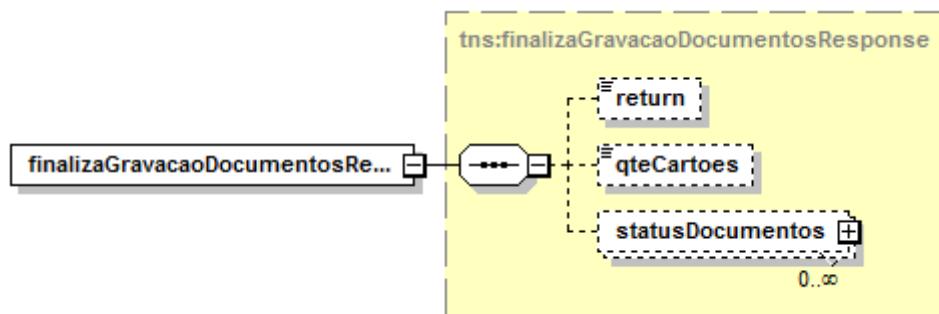


Figura 3-47 - Diagrama de resposta de finaliza gravação de documentos

3.5.2.12 GRAVAÇÃO DE SMART CARD COMO CDF-E

Serviço do BON-BrID (gravaCDFeSmartCard) para realizar a gravação de um CDF-e com os dados em um *smart card*. Abaixo são apresentadas as tabelas e diagramas de requisição e resposta do método.

Tabela 3-46 - Mensagem de grava smart card como CDF-e

#	Campo	Ele	Pai	Tipo	Ocor.	Tam.	Dec.	Descrição/Obs.
P01	gravaCDFeSmartCard	Raiz	-	-	-	-		TAG raiz
P02	token	E	P01	xml	1-1	-	-	Estrutura de dados que contém o token de requisição de serviço.
P03	cid	E	P01	C	1-1	-	-	Identificador único do cartão
P04	nCartao	E	P01	N	1-1	9	-	Número de cartões sendo gravados
P05	Signature	E	P01	xml	1-1	-	-	Assinatura digital da mensagem

Figura 3-48 - Diagrama de grava CDF-e smart card

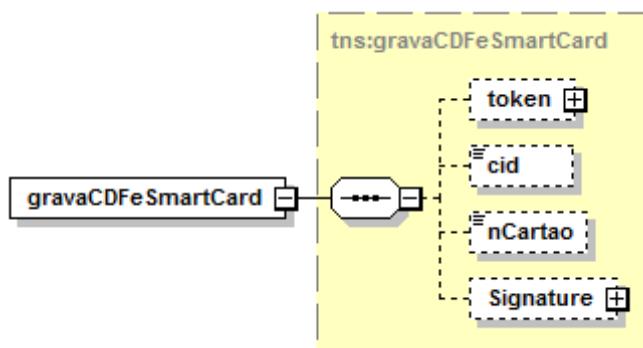
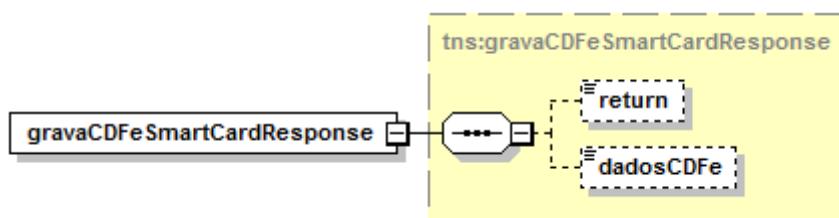


Tabela 3-47 - Mensagem de resposta de grava CDF-e smart card

#	Campo	Ele	Pai	Tipo	Ocor.	Tam.	Dec.	Descrição/Obs.
P01	gravaCDFeSmartCardResponse	Raiz	-	-	-	-		TAG raiz
P02	return	E	P01	xml	1-1	-	-	Estrutura contendo o código de retorno da chamada
P03	dadosCDFe	E	P01	C	1-1	-	-	Dados armazenados no CDF-e

**Figura 3-49 - Diagrama de resposta de grava CDF-e smart card**

3.5.2.13 BUSCA DE DOCUMENTOS MDF-E

Serviço do BON-BrID (buscaDocumentosMDFe) que permite que o usuário realize a busca de uma lista de documentos associados a um MDF-e. Abaixo são apresentadas as tabelas e diagramas de requisição e resposta do método.

Tabela 3-48 - Mensagem de busca documentos MDF-e

#	Campo	Ele	Pai	Tipo	Ocor.	Tam.	Dec.	Descrição/Obs.
P01	buscaDocumentoMDFe	Raiz	-	-	-	-		TAG raiz
P02	chaveMDFe	E	P01	C	1-1	-	-	Chave do MDF-e para o qual se deseja recuperar os documentos
P03	Signature	E	P01	xml	1-1	-	-	Assinatura digital da mensagem

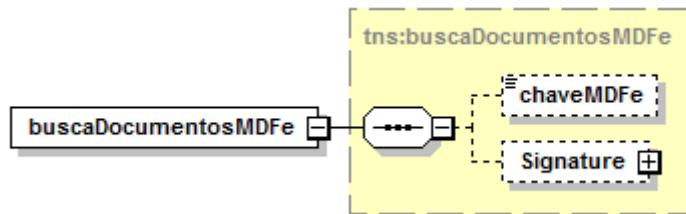
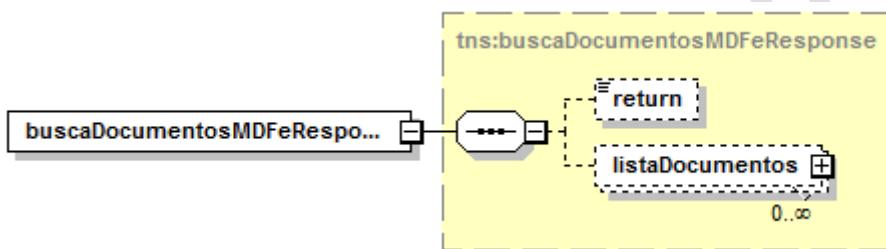
**Figura 3-50 - Diagrama de busca documentos MDF-e**

Tabela 3-49 - Mensagem de resposta de busca documento MDF-e

#	Campo	Ele	Pai	Tipo	Ocor.	Tam.	Dec.	Descrição/Obs.
P01	buscaDocumentosMDFeResponse	Raiz	-	-	-	-		TAG raiz
P02	return	E	P01	xml	1-1	-	-	Estrutura contendo o código de retorno da chamada
P03	listaDocumentos	E	P01	xml	1-1	-	-	Estrutura contendo a lista de documentos fiscais vinculados a um MDF-e

**Figura 3-51 - Diagrama de resposta de documentos MDF-e**

3.5.2.14 ASSOCIAÇÃO DE TRANSPONDER CDF-E

Serviço disponibilizado pelo BON-BrID (associaCDFeTag) que permite após a inicialização da tag, este serviço faz a associação da tag CDF-e com um MDF-e associação entre um CDF-e e uma tag inicializada previamente. Abaixo são apresentadas as tabelas e diagramas de requisição e resposta do método.

Tabela 3-50 Mensagem de associa CDF-e à Tag

#	Campo	Ele	Pai	Tipo	Ocor.	Tam.	Dec.	Descrição/Obs.
P01	associaCDFeTag	Raiz	-	-	-	-		TAG raiz
P02	chaveMDFe	E	P01	C	1-1	-	-	Chave do MDF-e vinculado ao CDF-e
P03	obuid	E	P01	C	1-1	-	-	Identificador único da tag
P04	placa	E	P01	C	1-1	-	-	Placa do veículo responsável pelo transporte
P05	Signature	E	P01	xml	1-1	-	-	Assinatura digital da mensagem

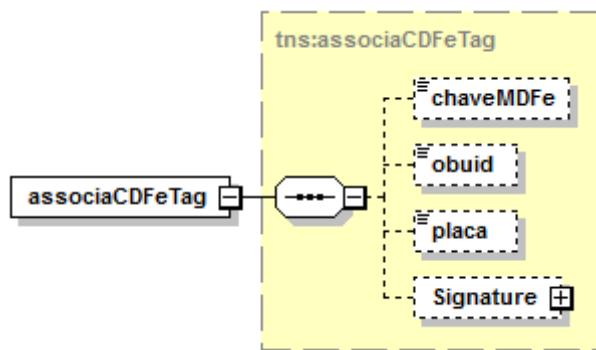


Figura 3-52 - Diagrama de associa CDF-e Tag

Tabela 3-51 Mensagem de resposta de associa CDF-e à Tag

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

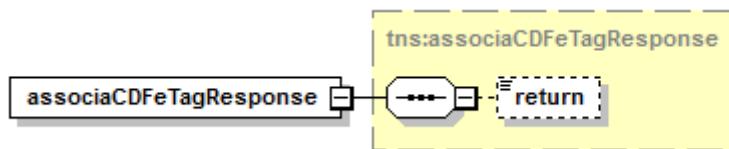


Figura 3-53 - Diagrama de resposta de associa CDF-e Tag

3.5.2.15 ENCERRAMENTO DE TRANSPORTE UTILIZANDO CDF-E

Serviço do BON-BrID (encerraTransporte) que permite que o usuário encerre um transporte de um CDF-e ativo. Abaixo são apresentadas as tabelas e diagramas de requisição e resposta do método.

Tabela 3-52 - Mensagem de encerra transporte

#	Campo	Ele	Pai	Tipo	Ocor.	Tam.	Dec.	Descrição/Obs.
P01	encerraTransporte	Raiz	-	-	-	-	-	TAG raiz
P02	chaveMDFe	E	P01	C	1-1	-	-	Chave do MDF-e referente ao transporte a ser encerrado
P03	carga	E	P01	xml	1-1	-	-	Estrutura que armazena os dados

									da carga na comunicação com o web service
P04	Signature	E	P01	xml	1-1	-	-		Assinatura digital da mensagem

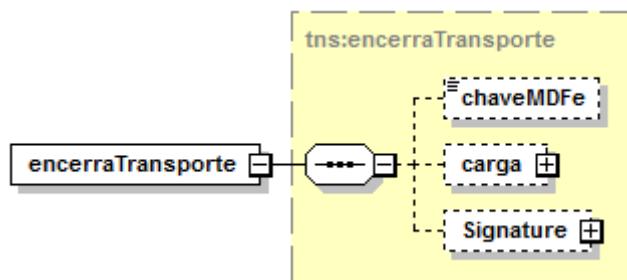


Figura 3-54 - Diagrama de encerra transporte

Tabela 3-53 - Mensagem de resposta de encerra transporte

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

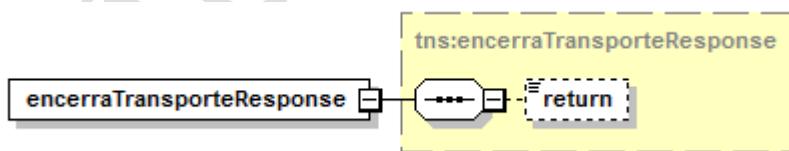


Figura 3-55 - Diagrama de resposta de encerra transporte

3.5.3 SMART CARD (MÍDIA EM CARTÃO PARA O CDF-E NÃO INICIALIZADO)

3.5.3.1 REQUISIÇÃO DE IDENTIFICADORES DE SMART CARD

Serviço do BON-BrID (requisitaCIDs) que permite a uma fábrica requisitar um lote de CIDs ao CCD. Abaixo são apresentadas as tabelas e diagramas de requisição e resposta do método.

Tabela 3-54 – Mensagem de requisita CIDs

#	Campo	Ele	Pai	Tipo	Ocor.	Tam.	Dec.	Descrição/Obs.
P01	requisitaCIDs	Raiz	-	-	-	-		TAG raiz
P02	dtIniProducao	E	P01	D	1-1	-	-	Previsão da data de início da produção
P03	quantidade	E	P01	N	1-1	10	-	Quantidade de CIDs requisitados.
P04	Signature	E	P01	xml	1-1	-	-	Assinatura digital da mensagem

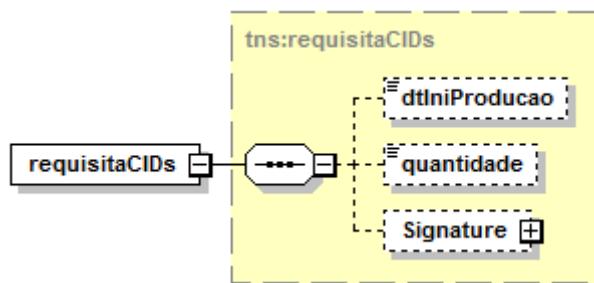


Figura 3-56 – Diagrama de requisita CIDs

Tabela 3-55 – Mensagem de resposta requisita CIDs

#	Campo	Ele	Pai	Tipo	Ocor.	Tam.	Dec.	Descrição/Obs.
P01	requisitaCIDsResponde	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.

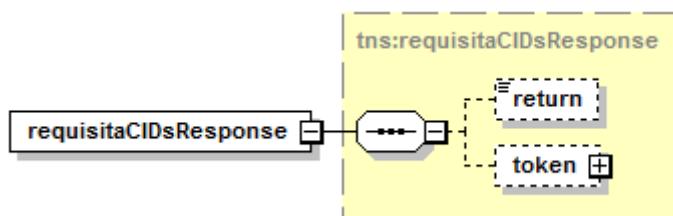


Figura 3-57 – Diagrama de resposta requisita CIDs

3.5.3.2 RECUPERAÇÃO DE IDENTIFICADORES DE SMART CARD

Serviço do BON-BrID (recuperaIDs) que permite a uma fábrica consultar a requisição de IDs realizada e recuperar uma lista com os IDs em caso de aprovação. Abaixo são apresentadas as tabelas e diagramas de requisição e resposta do método.

Tabela 3-56 – Mensagem de recupera IDs

#	Campo	Ele	Pai	Tipo	Ocor.	Tam.	Dec.	Descrição/Obs.
P01	recuperaIDs	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

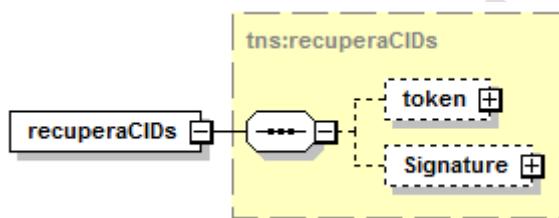


Figura 3-58 – Diagrama de recupera IDs

Tabela 3-57 – Mensagem de resposta recupera IDs

#	Campo	Ele	Pai	Tipo	Ocor.	Tam.	Dec.	Descrição/Obs.
P01	recuperaIDsResponde	Raiz	-	-	-	-		TAG raiz
P02	return	E	P01	xml	1-1	-	-	Estrutura contendo o código de retorno da chamada
P03	listaIDs	E	P01	C	1-1	-	-	Lista de IDs gerados retornadas como um array ou vazio caso a produção do lote ainda não tenha sido aprovado.

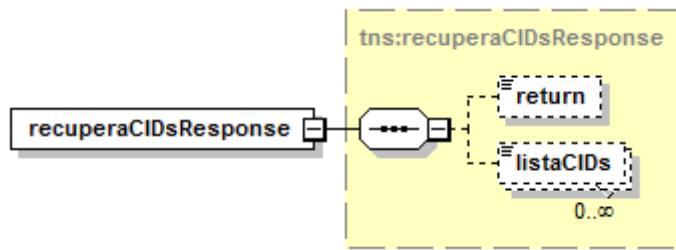


Figura 3-59 – Diagrama de resposta recuperar CID

3.5.3.3 CONFIRMAÇÃO DE REQUISIÇÃO DE IDENTIFICADORES DE SMART CARD

Serviço do BON-BrID (confirmaRequisicaoCIDs) que permite ao CCD aceitar uma requisição de CIDs. Abaixo são apresentadas as tabelas e diagramas de requisição e resposta do método.

Tabela 3-58 – Mensagem de confirmação de requisição de CIDs

#	Campo	Ele	Pai	Tipo	Ocor.	Tam.	Dec.	Descrição/Obs.
P01	confirmaRequisicaoCIDs	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

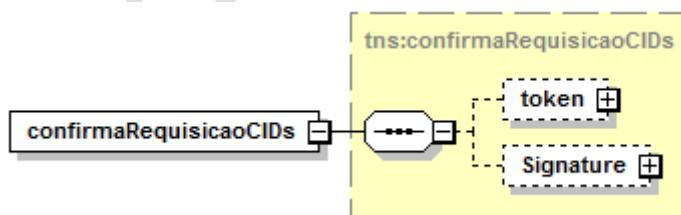


Figura 3-60 – Diagrama de confirmação de requisição de CIDs

Tabela 3-59 – Mensagem de resposta de confirmação de requisição de CIDs

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

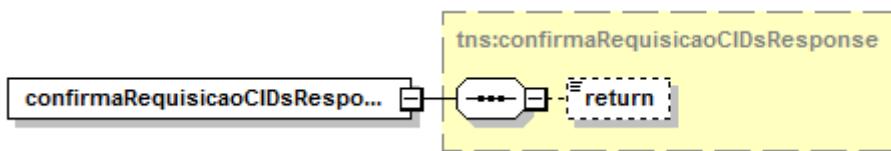


Figura 3-61 – Diagrama de resposta confirma requisição CIDs

3.5.3.4 CANCELAMENTO DE REQUISIÇÃO DE IDENTIFICADORES DE SMART CARD

Serviço do BON-BrID (cancelaRequisicaoCIDs) que permite ao CCD negar uma requisição de CIDs. Abaixo são apresentadas as tabelas e diagramas de requisição e resposta do método.

Tabela 3-60 – Mensagem de cancela requisição CID

#	Campo	Ele	Pai	Tipo	Ocor.	Tam.	Dec.	Descrição/Obs.
P01	cancelaRequisicaoCIDs	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

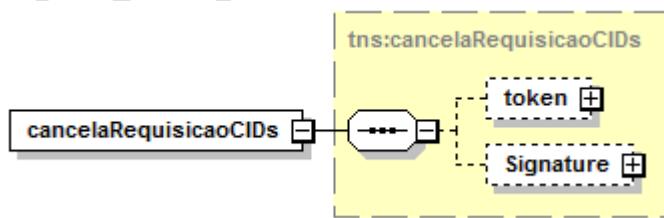


Figura 3-62 - Diagrama de cancela requisição de CIDs

Tabela 3-61 – Mensagem de resposta cancela requisição CIDs

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

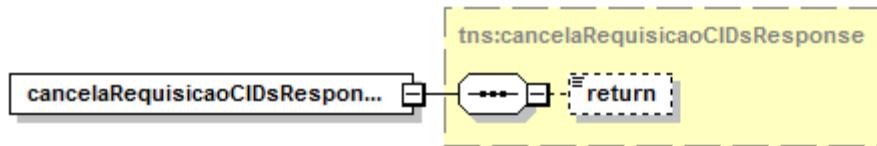


Figura 3-63 - Diagrama de resposta do cancela requisição de CIDs

3.5.3.5 REGISTRO DE VENDA DE SMART CARD

Serviço do BON-BrID (registraVenda) que permite a uma fábrica realizar uma proposta de venda a uma operadora. Abaixo são apresentadas as tabelas e diagramas de requisição e resposta do método.

Tabela 3-62 – Mensagem de regista venda

#	Campo	Ele	Pai	Tipo	Ocor.	Tam.	Dec.	Descrição/Obs.
P01	registraVenda	Raiz	-	-	-	-	-	TAG raiz
P02	idOperadora	E	P01	N	1-1	19	-	Operadora que está realizando a compra das SmartCards
P03	listaCIDs	E	P01	C	1-1	-	-	Lista de ids de SmartCards participantes da transação de venda
P04	Signature	E	P01	xml	1-1	-	-	Assinatura digital da mensagem

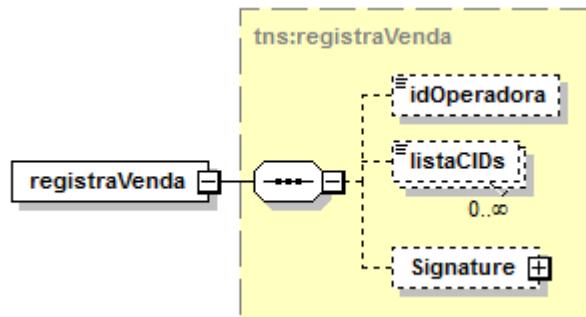
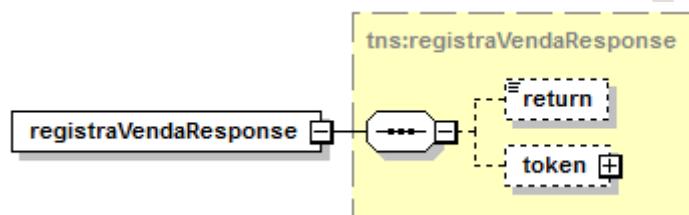


Figura 3-64 – Diagrama de regista venda

Tabela 3-63 – Mensagem de resposta registra venda

#	Campo	Ele	Pai	Tipo	Ocor.	Tam.	Dec.	Descrição/Obs.
P01	registraVendaResponde	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 3-65 – Diagrama de resposta registra venda**

3.5.3.6 RECUPERAÇÃO DE INFORMAÇÕES SOBRE A VENDA DE SMART CARD

Serviço do BON-BrID (recuperaDadosVenda) que permite a uma operadora consultar as informações sobre uma venda destinada à ela. Abaixo são apresentadas as tabelas e diagramas de requisição e resposta do método.

Tabela 3-64 – Mensagem de recupera dados vendas

#	Campo	Ele	Pai	Tipo	Ocor.	Tam.	Dec.	Descrição/Obs.
P01	recuperaDadosVenda	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

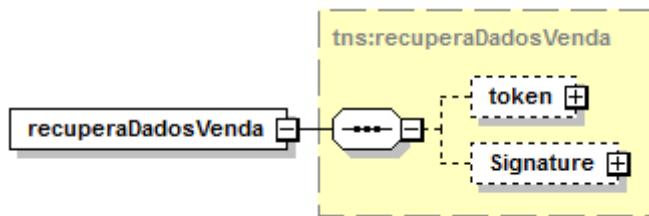


Figura 3-66 – Diagrama de recuperar dados venda

Tabela 3-65 – Mensagem de resposta recuperar dados 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	listaCIDs	E	P01	C	1-1	-	-	Lista de CIDs utilizada na transação de venda

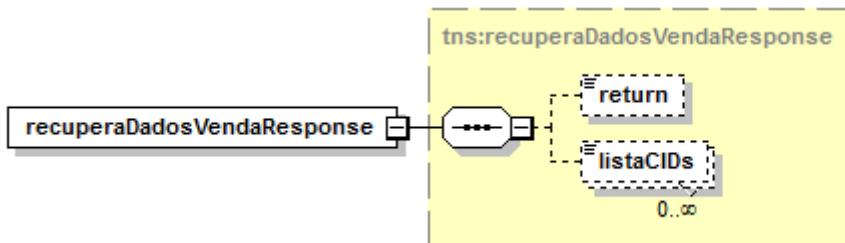


Figura 3-67 – Diagrama de resposta recuperar dados venda

3.5.3.7 CONFIRMAÇÃO DE VENDA DE SMART CARD

Serviço do BON-BrID (confirmaCompra) que permite a uma operadora aceitar uma requisição de venda. Abaixo são apresentadas as tabelas e diagramas de requisição e resposta do método.

Tabela 3-66 – Mensagem de confirma compra

#	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
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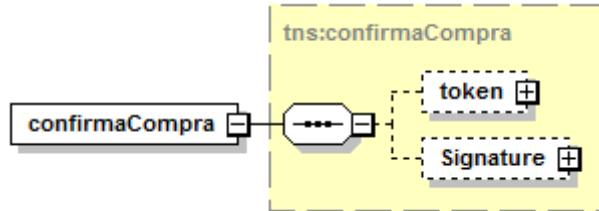


Figura 3-68 – Diagrama de confirma compra

Tabela 3-67 – Mensagem de resposta confirma compra

#	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

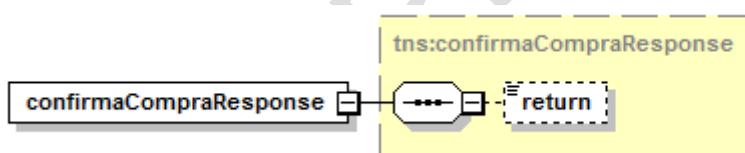


Figura 3-69 – Diagrama de resposta confirma compra

3.5.3.8 CANCELAMENTO DE VENDA DE SMART CARD

Serviço do BON-BrID (cancelaVenda) que permite a uma operadora negar uma requisição de venda. Abaixo são apresentadas as tabelas e diagramas de requisição e resposta do método.

Tabela 3-68 – Mensagem de cancela 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

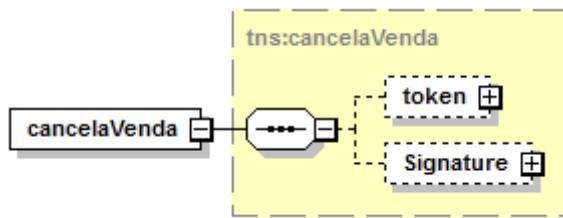


Figura 3-70 – Diagrama de cancela venda

Tabela 3-69 – Mensagem de resposta cancela 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

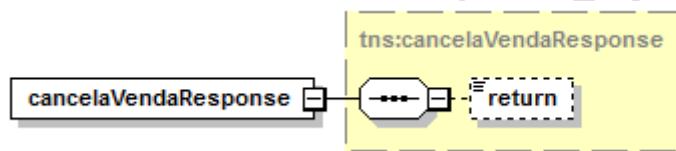


Figura 3-71 – Diagrama de resposta cancela venda

3.5.3.9 RECUPERAÇÃO DO ESTADO DA VENDA DE SMART CARD

Serviço do BON-BrID (recuperaStatusVenda) que permite a uma fábrica consultar o estado de uma venda que ela realizou. Abaixo são apresentadas as tabelas e diagramas de requisição e resposta do método.

Tabela 3-70 – Mensagem de recupera status venda

#	Campo	Ele	Pai	Tipo	Ocor.	Tam.	Dec.	Descrição/Obs.
P01	recuperaStatusVenda	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

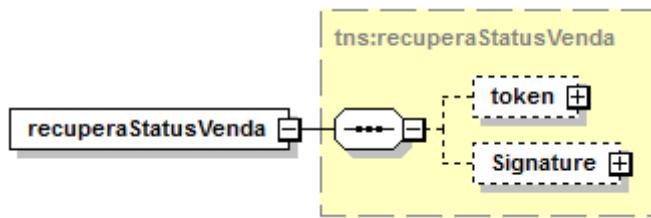


Figura 3-72 – Diagrama de recuperar status venda

Tabela 3-71 – Mensagem de resposta recuperar status 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

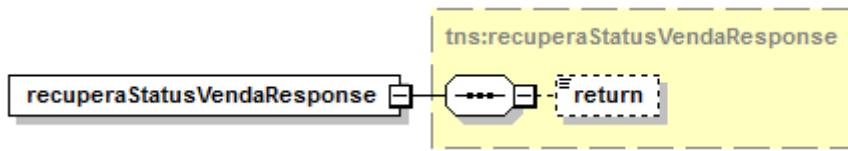


Figura 3-73 – Diagrama de resposta recuperar status venda

3.5.4 SEFAZ (INTERFACE PARA COMUNICAÇÃO COM SECRETARIA DA FAZENDA)

3.5.4.1 BUSCA DE PASSAGENS FILTRADAS POR MDF-E

Serviço do BON-BrID (buscaPassagensPorMDFe) que permite ao Sefaz consultar todas as passagens registradas para uma chave de MDF-e. Abaixo são apresentadas as tabelas e diagramas de requisição e resposta do método.

Tabela 3-72 – Mensagem de busca passagens por MDF-e

#	Campo	Ele	Pai	Tipo	Ocor.	Tam.	Dec.	Descrição/Obs.
P01	buscaPassagensPorMDFe	Raiz	-	-	-	-		TAG raiz
P02	chaveMDFe	E	P01	C	1-1	-	-	chave do MDF-e utilizado na consulta das passagens.
P03	Signature	E	P01	xml	1-1	-	-	Assinatura digital da mensagem

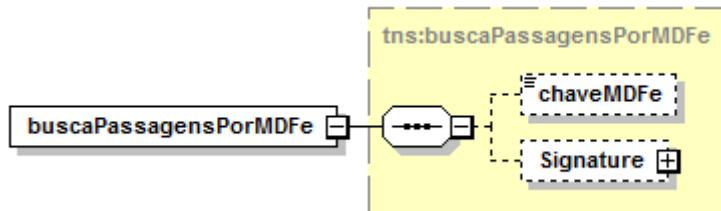


Figura 3-74 – Diagrama de busca passagens por MDF-e

Tabela 3-73 – Mensagem de resposta busca passagens por MDF-e

#	Campo	Ele	Pai	Tipo	Ocor.	Tam.	Dec.	Descrição/Obs.
P01	buscaPassagensPorMDFeResponse	Raiz	-	-	-	-		TAG raiz
P02	return	E	P01	xml	1-1	-	-	Estrutura contendo o código de retorno da chamada
P03	passagens	E	P01	xml	1-1	-	-	lista de passagens relacionadas ao MDF-e consultado.

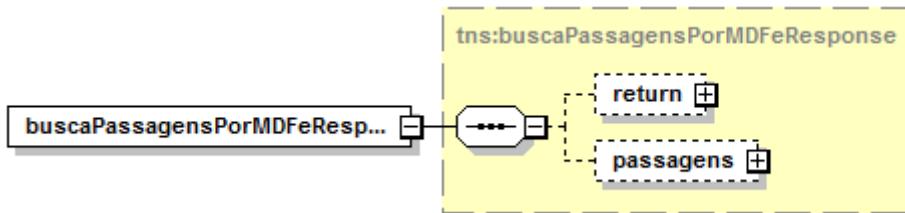


Figura 3-75 – Diagrama de resposta busca passagens por MDF-e

3.5.4.2 BUSCA DE PASSAGENS FILTRADAS POR SLD (ANTENAS)

Serviço do BON-BrID (buscaPassagensPorAntena) que permite ao Sefaz consultar as passagens registradas em um SLD, a pesquisa é restrita pelo número serial inicial e a quantidade máxima de passagens. Abaixo são apresentadas as tabelas e diagramas de requisição e resposta do método.

Tabela 3-74 – Mensagem de busca passagens por Antena

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

P02	nsulni	E	P01	N	1-1	19	-	Número sequêncial inicial utilizado na consulta.
P03	qntPassagens	E	P01	N	1-1	10	-	Quantidade de passagens que será retornada.
P04	cldAntena	E	P01	N	1-1	19	-	id da antena utilizada na consulta das passagens.
P05	Signature	E	P01	xml	1-1	-	-	Assinatura digital da mensagem

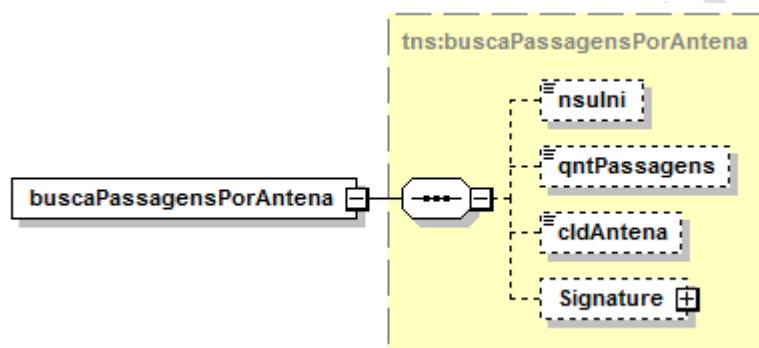


Figura 3-76 – Diagrama de busca passagens por Antena

Tabela 3-75 – Mensagem de resposta busca passagens por Antena

#	Campo	Ele	Pai	Tipo	Ocor.	Tam.	Dec.	Descrição/Obs.
P01	buscaPassagensPorAntenaResponde	Raiz	-	-	-	-		TAG raiz
P02	return	E	P01	xml	1-1	-	-	Estrutura contendo o código de retorno da chamada
P03	passagens	E	P01	xml	1-1	-	-	lista de passagens relacionadas à entena consultada.

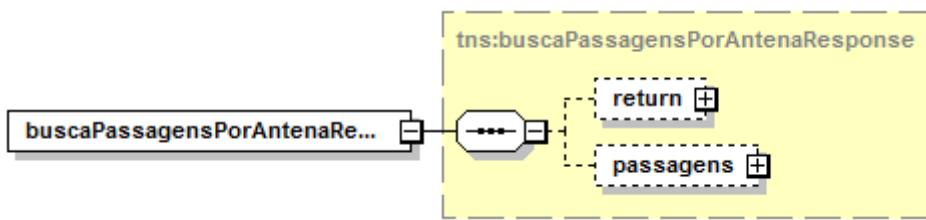


Figura 3-77 – Diagrama de resposta busca passagens por Antena

3.5.4.3 RECUPERAÇÃO DE LISTA DE SLD CADASTRADOS (ANTENAS)

Serviço do BON-BrID (recuperaListaAntenas) que permite ao Sefaz consultar uma lista com todos os SLDs cadastrados no Back Office. Abaixo são apresentadas as tabelas e diagramas de requisição e resposta do método.

Tabela 3-76 – Mensagem de recupera lista de Antenas

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

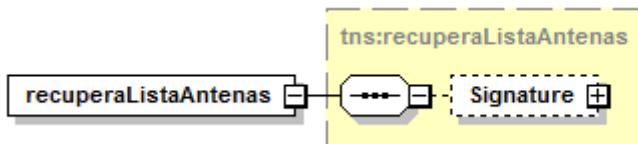


Figura 3-78 – Diagrama de recupera lista de Antenas

Tabela 3-77 – Mensagem de resposta recupera lista de Antenas

#	Campo	Ele	Pai	Tipo	Ocor.	Tam.	Dec.	Descrição/Obs.
P01	recuperaListaAntenasResponse	Raiz	-	-	-	-	-	TAG raiz
P02	return	E	P01	xml	1-1	-	-	Estrutura contendo o código de retorno da chamada
P03	antenas	E	P01	xml	1-1	-	-	Lista contendo as entidades WSAntenas representando as informações das antenas cadastradas no sistema

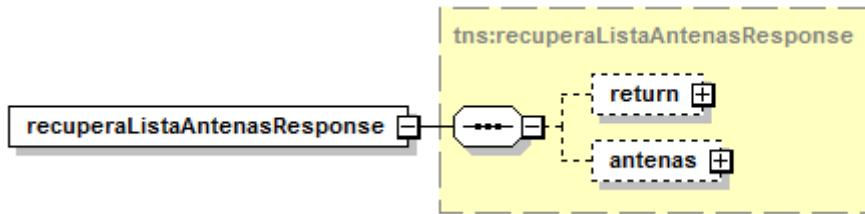


Figura 3-79 – Diagrama de resposta recuperar lista de Antenas

3.5.4.4 CONFIGURAÇÃO DE SLD (ANTENA)

Serviço do BON-BrID (configuraAntenas) que permite ao Sefaz configurar quais SLDs sempre devem gerar eventos de passagem para toda passagem de CDF-e registrada. Abaixo são apresentadas as tabelas e diagramas de requisição e resposta do método.

Tabela 3-78 – Mensagem de configura Antenas

#	Campo	Ele	Pai	Tipo	Ocor.	Tam.	Dec.	Descrição/Obs.
P01	configuraAntenas	Raiz	-	-	-	-	-	TAG raiz
P02	antenas	E	P01	xml	1-1	-	-	Lista contendo as entidades WSAntenas representando as informações das antenas para as quais se deseja receber informações
P03	Signature	E	P01	xml	1-1	-	-	Assinatura digital da mensagem

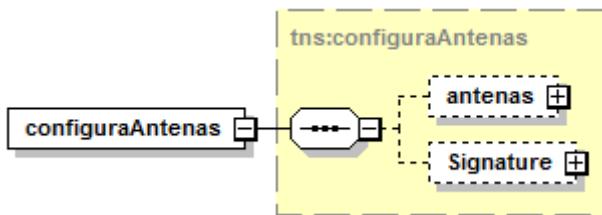


Figura 3-80 – Diagrama de configura Antenas

Tabela 3-79 – Mensagem de resposta configura Antenas

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

P01	configuraAntenas Response	Raiz	-	-	-	-		TAG raiz
P02	return	E	P01	xml	1-1	-	-	Estrutura contendo o código de retorno da chamada

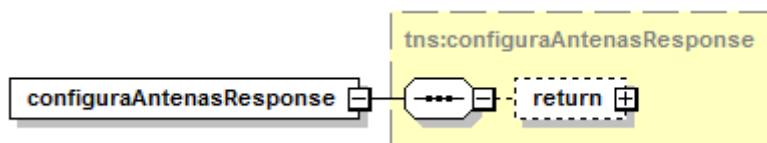


Figura 3-81 – Diagrama de resposta configura Antenas

3.5.5 FISCAL (INTERFACE PARA COMUNICAÇÃO COM POSTOS FISCAIS)

3.5.5.1 LISTAGEM DE CHAVES CRIPTOGRÁFICAS DAS TAGS (GRUPOS OBUID)

Serviço do BON-BrID (buscaGrupoObuid) que permite ao posto fiscal requisitar a lista de chaves de segurança utilizados nas TAGs do Back Office. Abaixo são apresentadas as tabelas e diagramas de requisição e resposta do método.

Tabela 3-80 – Mensagem de busca grupo Obuid

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

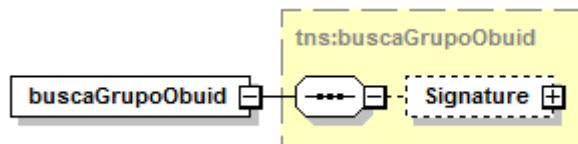


Figura 3-82 – Diagrama de busca grupo OBUID

Tabela 3-81 – Mensagem de resposta busca grupo Obuid

#	Campo	Ele	Pai	Tipo	Ocor.	Tam.	Dec.	Descrição/Obs.
P01	buscaGrupoObuidResponse	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

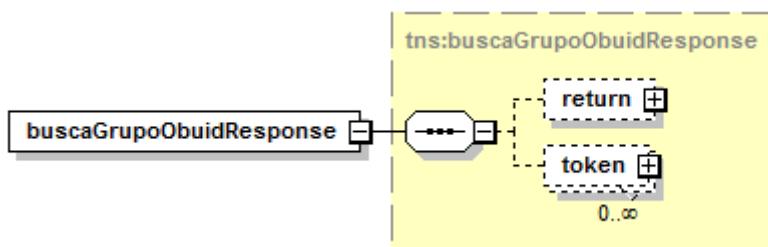


Figura 3-83 – Diagrama de resposta busca grupo OBUID

3.5.5.2 LISTAGEM DE ASSOCIAÇÃO ENTRE VEÍCULOS E IVC-E

Serviço do BON-BrID (buscaAssociacaoVeiculoObuid) que permite ao posto fiscal requisitar uma lista de associações entre OBUIDs e placas de veículos. Abaixo são apresentadas as tabelas e diagramas de requisição e resposta do método.

Tabela 3-82 – Mensagem de busca associação veiculo Obuid

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

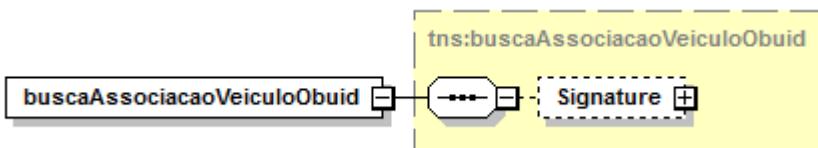
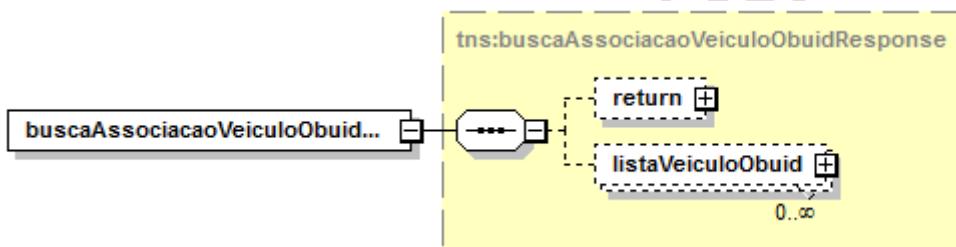


Figura 3-84 –Diagrama de busca associação veiculo OBUID

Tabela 3-83 – Mensagem de resposta busca associação veiculo Obuid

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

P01	buscaAssociacaoVeiculoObuidResponde	Raiz	-	-	-	-		TAG raiz
P02	return	E	P01	xml	1-1	-	-	Estrutura contendo o código de retorno da chamada
P03	listaVeiculoObuid	E	P01	xml	1-N	-	-	Estrutura contendo lista de associação entre placas de veículos e OBUID da Tag
P04	obuid	E	P03	C	1-1	10	-	Identificador único da Tag
P05	placa	E	P03	C	1-1	7	-	Placa do veículo identificado

**Figura 3-85 – Diagrama de resposta busca associação veiculo OBUID**

3.5.5.3 LISTAGEM DE ASSOCIAÇÃO ENTRE CDF-E (TAGS) E MDF-E

Serviço do BON-BrID (buscaAssociacaoChaveMDFeObuid) que permite ao posto fiscal requisitar uma lista de associações entre OBUIDs e chaves de MDF-e para CDF-es gravados com OBUIDs gerados automaticamente pelo Back Office. Abaixo são apresentadas as tabelas e diagramas de requisição e resposta do método.

Tabela 3-84 – Mensagem de busca associação chave MDF-e e Obuid

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

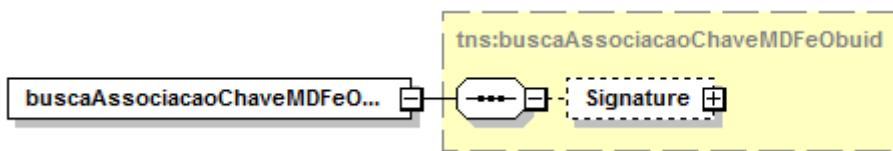


Figura 3-86 – Diagrama de busca associação chave MDF-e e Obuid

Tabela 3-85 – Mensagem de resposta busca associação chave MDF-e e Obuid

#	Campo	Ele	Pai	Tipo	Ocor.	Tam.	Dec.	Descrição/Obs.
P01	buscaAssociacaoChaveMDFeObuidResponse	Raiz	-	-	-	-		TAG raiz
P02	return	E	P01	xml	1-1	-	-	Estrutura contendo o código de retorno da chamada
P03	listaChaveMDFeObuid	G	P01	xml	1-N	-	-	Estrutura contendo chaves de MDFe e respectivo OBUID associado à Tag
P04	obuid	E	P03	C	1-1	10	-	Identificador único da Tag
P05	chaveMdfe	E	P03	C	1-1	44	-	Chave do MDFe

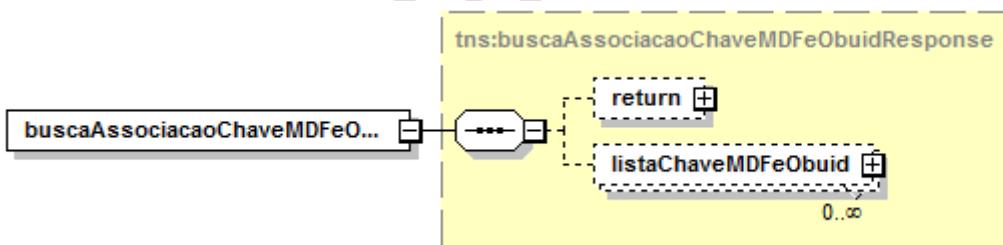


Figura 3-2 – Diagrama de resposta busca associação chave MDF-e e Obuid

3.5.5.4 BUSCA DE PASSAGENS DE CDF-E POR QUANTIDADE

Serviço do BON-BrID (buscaPassagens) que permite ao posto fiscal requisitar uma lista com as últimas passagens após um registro inicial informado, limitado à quantidade de registros passada como parâmetro. Abaixo são apresentadas as tabelas e diagramas de requisição e resposta do método.

Tabela 3-86 – Mensagem de busca passagens

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

P02	registroInicial	E	P01	N	1-1	10	-	Número do registro inicial de passagem
P03	quantidadeRegistros	E	P01	N	1-1	10	-	Quantidade de registro de passagens
P04	Signature	E	P01	xml	1-1	-	-	Assinatura digital da mensagem

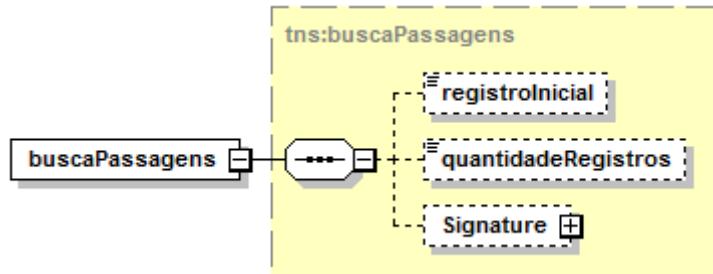


Figura 3-87 – Diagrama de busca passagens

Tabela 3-87 – Mensagem de resposta busca passagens

#	Campo	Ele	Pai	Tipo	Ocor.	Tam.	Dec.	Descrição/Obs.
P01	buscaPassagensResponse	Raiz	-	-	-	-	-	TAG raiz
P02	return	E	P01	xml	1-1	-	-	Estrutura contendo o código de retorno da chamada
P03	listaPassagens	G	P01	xml	1-N	-	-	Estrutura contendo lista de passagens.
P04	chaveMdfe	E	P03	C	1-1	44	-	Chave do MDF-e
P05	data	E	P03	D	1-1	-	-	Data e hora da passagem
P06	idSld	E	P03	N	1-1	15	-	Identificador do sistema de leitura de dispositivo
P07	nsu	E	P03	C	1-1	50	-	Número serial único que identificada a passagem
P08	obuid	E	P03	C	1-1	10	-	Identificador único da Tag
P09	placa	E	P03	C	1-1	7	-	Placa do veículo identificado

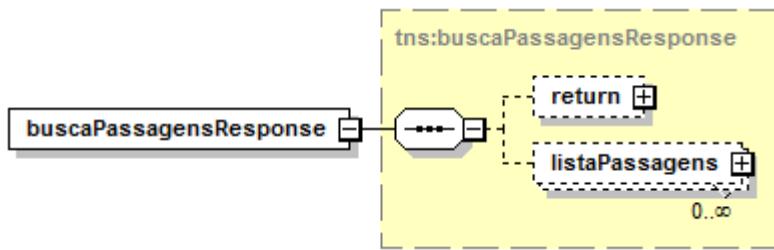


Figura 3-88 – Diagrama de resposta busca passagens

3.5.5.5 BUSCA DE PASSAGENS DE CDF-E POR PERÍODO

Serviço do BON-BrID (buscaPassagensPorPeriodo) que permite ao posto fiscal requisitar uma lista com as passagens de um período. Abaixo são apresentadas as tabelas e diagramas de requisição e resposta do método.

Tabela 3-88 - Mensagem de busca de passagens por periodo

#	Campo	Ele	Pai	Tipo	Ocor.	Tam.	Dec.	Descrição/Obs.
P01	buscaPassagensPorPeriodo	Raiz	-	-	-	-		TAG raiz
P02	dataInicial	E	P01	D	1-1	-	-	Data de incício da busca
P03	dataFinal	E	P01	D	1-1	-	-	Data final da busca
P04	Signature	E	P01	xml	1-1	-	-	Assinatura digital da mensagem

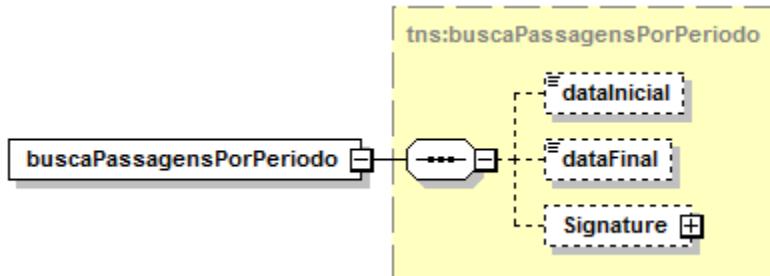


Figura 3-89 - Diagrama de busca passagens por período

Tabela 3-89 - Mensagem de resposta de busca de passagens por periodo

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

P03	listaPassagens	E	P01	xml	1-1	-	-	Lista de passagens
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3.5.6 TIPOS DEFINIDOS

3.5.6.1 TIDEP

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

Tabela 3-90 – Mensagem de tipo tidEP

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

3.5.6.2 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 3-91 – Mensagem de 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

3.5.6.3 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 3-92 – Mensagem de 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 3-93 – 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 fabrica 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_POSSEI_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 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 CDF-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_POSSEI_IVCE	Ocorre quando veículo já tem CDF-e instalado
ERRO_NAO_FOI_POSSIVEL_DECODIFICAR_A_MENSAGEM	Ocorre quando a tag não pode ser decodificada

3.5.6.4 WSANTENAS

Estrutura de dados que representa o SLD para os órgãos fiscais.

Tabela 3-94 – Mensagem de tipo wsAntenas

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

P01	wsAntenas	Raiz	-	-	-	-		TAG raiz
P02	Antena	G	P01	xml	1-1	-	-	Elemento antena
P03	cUFTransito	E	P02	C	1-1	-	-	Código da UF
P04	cldAntena	E	P02	N	1-1	19	-	Código da antena
P05	xldAntena	E	P02	C	1-1	-		Nome amigável da antena
P06	tpSentido	E	P02	C	1-1	-		Sentido do SLD
P07	longitude	E	P02	C	1-1	-		Longitude do SLD
P08	latitude	E	P02	C	1-1	-		Latitude do SLD
P09	eventoHabilitado	E	P02	B	1-1	-		Configura se a antena deve gerar eventos de passagem ao SEFAZ

3.5.6.5 WSCARGA

Estrutura de dados que representa uma carga, armazenando o estado e o motivo da finalização (se aplicável) da carga.

Tabela 3-95 – Mensagem de tipo wsCarga

#	Campo	Ele	Pai	Tipo	Ocor.	Tam.	Dec.	Descrição/Obs.
P01	wsCarga	Raiz	-	-	-	-		TAG raiz
P02	descricaoMotivo	E	P01	C	1-1	-	-	Motivo da finalização da carga
P03	estado	E	P01	xml	1-1	-	-	Estado atual da carga

3.5.6.6 WSCHAVEOBUID

Estrutura que representa uma associação entre uma chave MDF-e e um OBUID.

Tabela 3-96 – Mensagem de tipo wsChaveMDFeObuid

#	Campo	Ele	Pai	Tipo	Ocor.	Tam.	Dec.	Descrição/Obs.
P01	wsChaveMDFeOb uid	Raiz	-	-	-	-		TAG raiz
P02	chaveMDFe	E	P01	C	1-1	-	-	Chave do MDF-e
P03	obuid	E	P01	C	1-1	-	-	Obuid gravado na tag

3.5.6.7 WSDOCUMENT

Estrutura que armazena dados de um documento, como estrutura de dados XML, data e nome.

Tabela 3-97 – Mensagem de tipo wsDocument

#	Campo	Ele	Pai	Tipo	Ocor.	Tam.	Dec.	Descrição/Obs.
P01	wsDocument	Raiz	-	-	-	-		TAG raiz
P02	conteudoXml	E	P01	C	1-1	-	-	Conteúdo XML do documento
P03	id	E	P01	C	1-1	-	-	Identificador do documento
P04	nome	E	P01	C	1-1	-	-	Nome do documento
P05	status	E	P01	xml	1-1	-	-	Estrutura contendo o código de retorno da chamada
P06	tipo	E	P01	xml	1-1	-	-	Tipo de documento (MDF-e, CT-e e NF-e)

3.5.6.8 WSGRUPOOBUID

Estrutura que representa um grupo obuid, associando grupos com chaves de segurança.

Tabela 3-98 – Mensagem de tipo wsGrupoObuid

#	Campo	Ele	Pai	Tipo	Ocor.	Tam.	Dec.	Descrição/Obs.
P01	wsGrupoObuid	Raiz	-	-	-	-		TAG raiz
P02	ak	E	P01	C	1-1	-	-	Chave de segurança do grupo
P03	id	E	P01	N	1-1	19	-	Identificador
P04	gld	E	P01	N	1-1	19	-	Identificador do grupo

3.5.6.9 WSKEY

Estrutura de dados que armazena chaves de acesso ao smartcard.

Tabela 3-99 – Mensagem de tipo wsKey

#	Campo	Ele	Pai	Tipo	Ocor.	Tam.	Dec.	Descrição/Obs.
P01	wsKey	Raiz	-	-	-	-		TAG raiz
P02	chaveBase64	E	P01	C	1-1	-	-	Chave de acesso ao smartcard

P03	id	E	P01	N	1-1	19	-	Identificador da chave
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3.5.6.10 WSPASSAGEM

Estrutura de dados que representa uma passagem de um SLD no backoffice.

Tabela 3-100 – Mensagem de tipo wsPassagem

#	Campo	Ele	Pai	Tipo	Ocor.	Tam.	Dec.	Descrição/Obs.
P01	wsPassagem	Raiz	-	-	-	-		TAG raiz
P02	chaveMdfe	E	P01	C	1-1	-	-	Chave do MDF-e
P03	data	E	P01	D	1-1	-	-	Data da passagem
P04	idSld	E	P01	N	1-1	19	-	Identificador do SLD
P05	nsu	E	P01	C	1-1	-	-	Número serial único
P06	obuid	E	P01	C	1-1	-	-	Obuid da tag
P07	placa	E	P01	C	1-1	-	-	Placa do veículo

3.5.6.11 WSPASSAGENS

Estrutura de dados que define uma lista de passagens.

Tabela 3-101 – Mensagem de tipo wsPassagens

#	Campo	Ele	Pai	Tipo	Ocor.	Tam.	Dec.	Descrição/Obs.
P01	wsPassagens	Raiz	-	-	-	-		TAG raiz
P02	passagem	E	P01	xml	1-1	-	-	Lista de passagens

3.5.6.12 WSVEICULO

Estrutura que representa uma associação entre um veículo (através da placa) e um OBUID.

Tabela 3-102 – Mensagem de tipo wsVeiculoObuid

#	Campo	Ele	Pai	Tipo	Ocor.	Tam.	Dec.	Descrição/Observação
P01	wsVeiculoObuid	Raiz	-	-	-	-		TAG raiz
P02	obuid	E	P01	C	1-1	-	-	Obuid do veículo
P03	placa	E	P01	C	1-1	-	-	Placa do veículo

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 BON-BrID. 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 3-103 - 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

4 ANEXOS

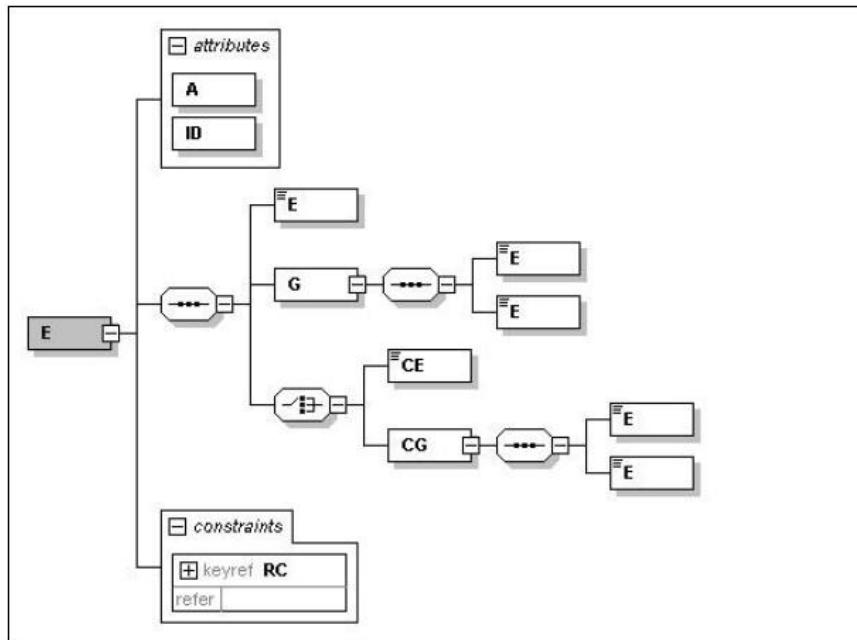
4.1 LEIAUTE DO CDF-E

Observações importantes para entendimento do Leiaute do CDF-e:

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

#	Campo	Ele	Pai	Tipo	Ocor.	Tam.	Dec.	Descrição/Obs.
P01	cancelaRequisica oTIDsResponse	Raiz	-	-	-	-		TAG raiz
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>

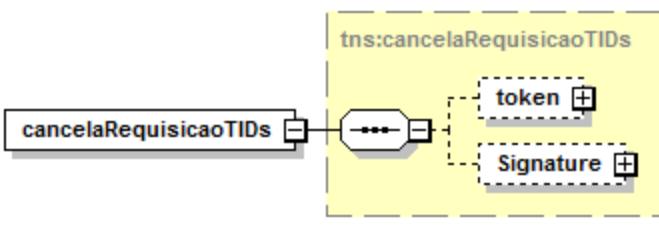
attributeFormDefault:

elementFormDefault: **qualified**

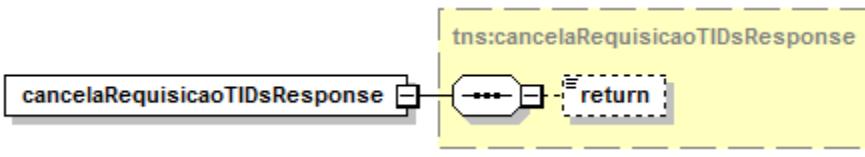
targetNamespace: <http://www.w3.org/2000/09/xmlsig#>

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

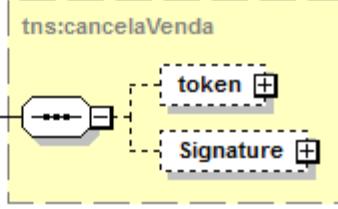
[SPKIData](#)[X509DataType](#)[Transform](#)[X509IssuerSerialType](#)[Transforms](#)[X509Data](#)
element cancelaRequisicaoTIDs

diagram	 <pre> sequenceDiagram participant P1 participant P2 P1->>P2: cancelaRequisicaoTIDs activate P2 token Signature deactivate P2 </pre>
namespace	http://webservices.brasil-id.org.br/tag/
type	tns:cancelaRequisicaoTIDs
properties	content complex
children	token Signature
source	<pre><xs:element name="cancelaRequisicaoTIDs" type="tns:cancelaRequisicaoTIDs"/></pre>

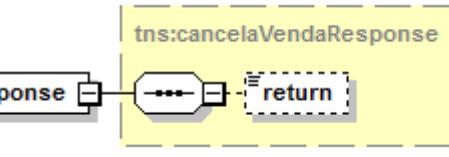
element cancelaRequisicaoTIDsResponse

diagram	 <pre> sequenceDiagram participant P1 participant P2 P1->>P2: cancelaRequisicaoTIDsResponse activate P2 return deactivate P2 </pre>
namespace	http://webservices.brasil-id.org.br/tag/
type	tns:cancelaRequisicaoTIDsResponse
properties	content complex
children	return
source	<pre><xs:element name="cancelaRequisicaoTIDsResponse" type="tns:cancelaRequisicaoTIDsResponse"/></pre>

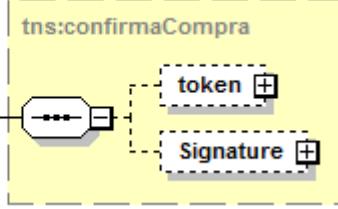
element cancelaVenda

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

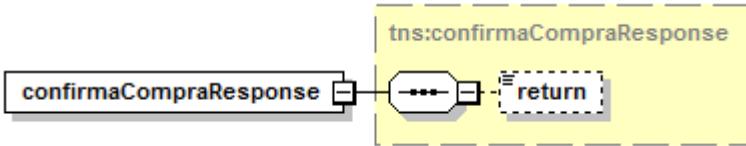
diagram	
namespace	http://webservices.brasil-id.org.br/tag/
type	tns:cancelaVendaResponse
properties	content complex
children	return
source	<xs:element name="cancelaVendaResponse" type="tns:cancelaVendaResponse"/>

element confirmaCompra

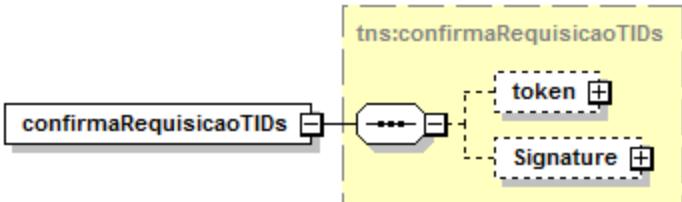
diagram	
namespace	http://webservices.brasil-id.org.br/tag/
type	tns:confirmaCompra
properties	content complex
children	token Signature

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

element confirmaCompraResponse

diagram	 <pre> classDiagram class confirmaCompraResponse { <<tns:confirmaCompraResponse>> } class return { <<tns:return>> } confirmaCompraResponse "1" -- "1" return </pre>
namespace	http://webservices.brasil-id.org.br/tag/
type	tns:confirmaCompraResponse
properties	content complex
children	return
source	<code><xs:element name="confirmaCompraResponse" type="tns:confirmaCompraResponse"/></code>

element confirmaRequisicaoTIDs

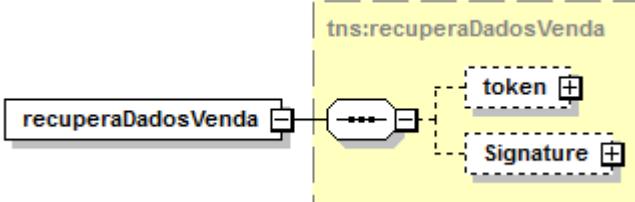
diagram	 <pre> classDiagram class confirmaRequisicaoTIDs { <<tns:confirmaRequisicaoTIDs>> } class token { <<tns:token>> } class Signature { <<tns:Signature>> } confirmaRequisicaoTIDs "1" -- "1" token confirmaRequisicaoTIDs "1" -- "1" Signature </pre>
namespace	http://webservices.brasil-id.org.br/tag/
type	tns:confirmaRequisicaoTIDs
properties	content complex
children	token Signature
source	<code><xs:element name="confirmaRequisicaoTIDs" type="tns:confirmaRequisicaoTIDs"/></code>

element confirmaRequisicaoTIDsResponse

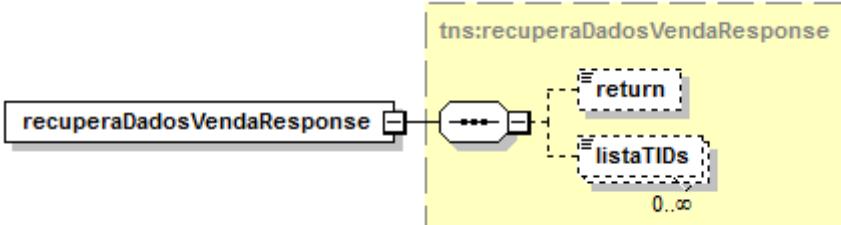
diagram	 <pre> classDiagram class confirmaRequisicaoTIDsResponse { <<tns:confirmaRequisicaoTIDsResponse>> } class return { <<tns:return>> } confirmaRequisicaoTIDsResponse "1" -- "1" return </pre>
---------	---

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

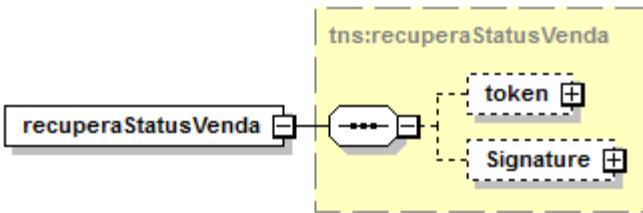
element recuperarDadosVenda

diagram	 <pre> sequenceDiagram participant R as recuperarDadosVenda R->>B: recuperarDadosVenda activate B B-->>E: activate E E-->>T: token deactivate E T-->>S: Signature deactivate T </pre>
namespace	http://webservices.brasil-id.org.br/tag/
type	tns:recuperaDadosVenda
properties	content complex
children	token Signature
source	<xs:element name="recuperaDadosVenda" type="tns:recuperaDadosVenda"/>

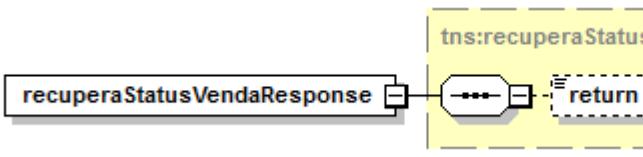
element recuperarDadosVendaResponse

diagram	 <pre> sequenceDiagram participant R as recuperarDadosVendaResponse R->>B: recuperarDadosVendaResponse activate B B-->>E: activate E E-->>R: return deactivate E R-->>L: listaTIDs deactivate R L..0..>>C </pre>
namespace	http://webservices.brasil-id.org.br/tag/
type	tns:recuperaDadosVendaResponse
properties	content complex
children	return listaTIDs
source	<xs:element name="recuperaDadosVendaResponse" type="tns:recuperaDadosVendaResponse"/>

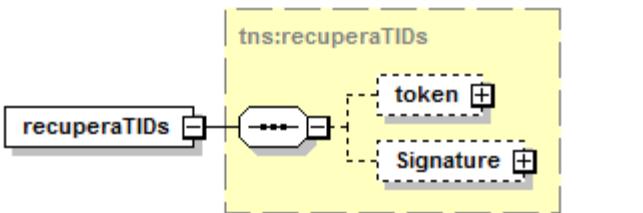
element recuperaStatusVenda

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

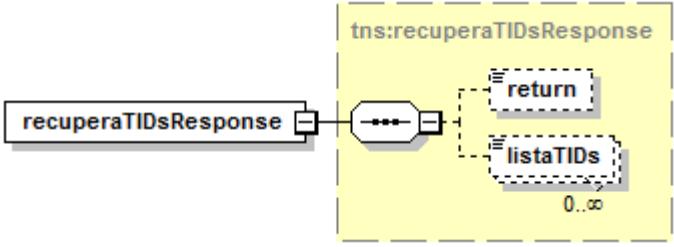
diagram	
namespace	http://webservices.brasil-id.org.br/tag/
type	tns:recuperaStatusVendaResponse
properties	content complex
children	return
source	<xs:element name="recuperaStatusVendaResponse" type="tns:recuperaStatusVendaResponse"/>

element recuperaTIDs

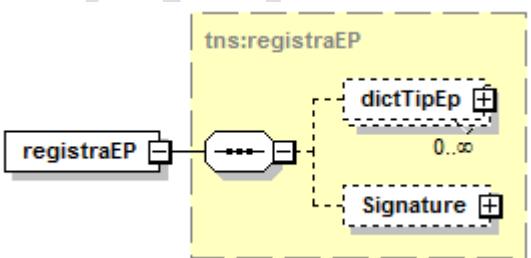
diagram	
namespace	http://webservices.brasil-id.org.br/tag/
type	tns:recuperaTIDs

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

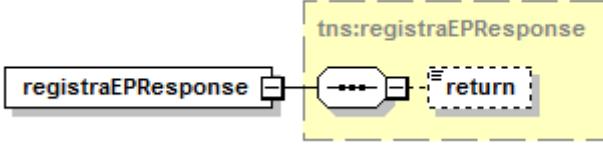
element recuperarTIDsResponse

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"/>

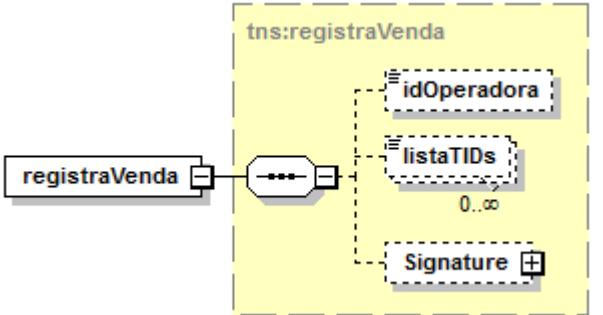
element registraEP

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"/>

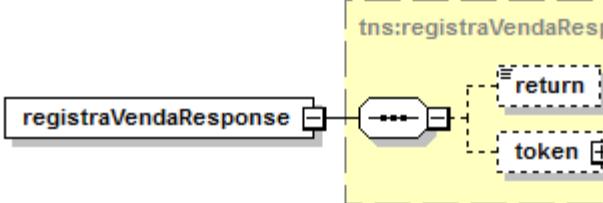
element registraEPResponse

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

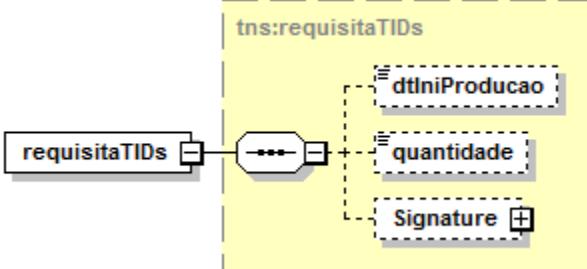
diagram	
namespace	http://webservices.brasil-id.org.br/tag/
type	tns:registraVenda
properties	content complex
children	idOperadora listaTIDs Signature
source	<xs:element name="registraVenda" type="tns:registraVenda"/>

element registraVendaResponse

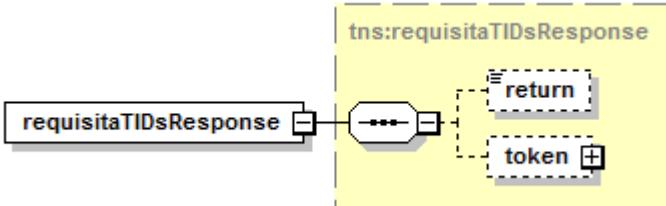
diagram	
namespace	http://webservices.brasil-id.org.br/tag/
type	tns:registraVendaResponse

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

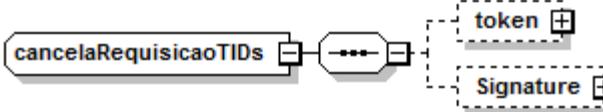
element requisitaTIDs

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"/>

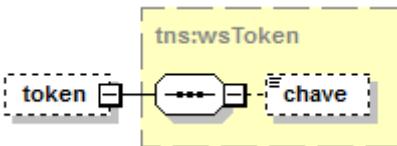
element requisitaTIDsResponse

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"/>

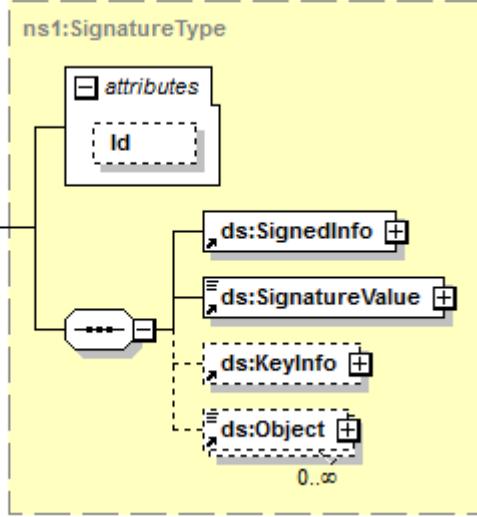
complexType cancelaRequisicaoTIDs

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>						

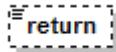
element cancelaRequisicaoTIDs/Signature

diagram	 <pre> classDiagram class ns1.SignatureType { <<ns1>> attributes Id <<ds>> <<ds>> SignedInfo <<ds>> SignatureValue <<ds>> KeyInfo <<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	<code><xs:element name="Signature" type="ns1:SignatureType" minOccurs="0"/></code>												

complexType cancelaRequisicaoTIDsResponse

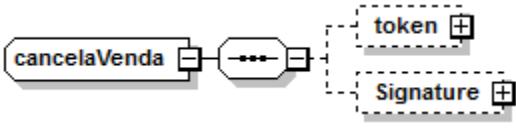
diagram	 <pre> sequenceDiagram participant Client participant Server Client->>Server: cancelaRequisicaoTIDsResponse activate Server Server-->>Client: return deactivate Server </pre>
namespace	http://webservices.brasil-id.org.br/tag/
children	return
used by	element cancelaRequisicaoTIDsResponse
source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

element cancelaRequisicaoTIDsResponse/return

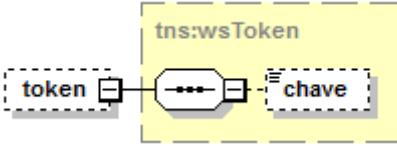
diagram																																																																							
type	tns:wsResult																																																																						
properties	minOcc 0 maxOcc 1 content simple																																																																						
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source	<code><xs:element name="return" type="tns:wsResult" minOccurs="0"/></code>

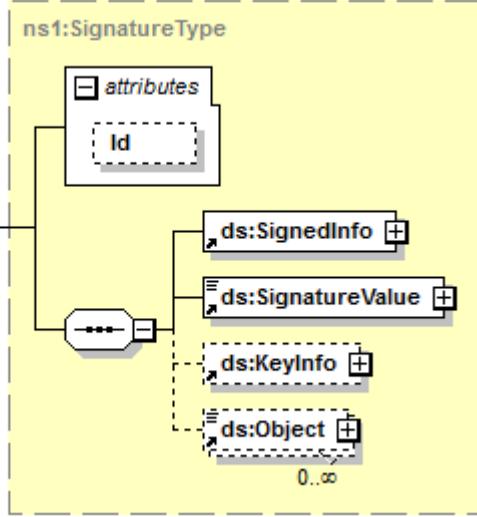
complexType cancelaVenda

diagram	
namespace	http://webservices.brasil-id.org.br/tag/
children	token Signature
used by	element cancelaVenda
source	<code><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></code>

element cancelaVenda/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>

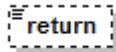
element cancelaVenda/Signature

diagram	 <pre> classDiagram ns1::SignatureType { attributes Id Signature ds::SignedInfo ds::SignatureValue ds::KeyInfo ds::Object *0..∞ } </pre>												
type	ds:SignatureType												
properties	minOcc 0 maxOcc 1 content complex												
children	ds:SignedInfo ds:SignatureValue ds:KeyInfo ds:Object												
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Id	xs:ID	optional											
source	<code><xs:element name="Signature" type="ns1:SignatureType" minOccurs="0"/></code>												

complexType cancelaVendaResponse

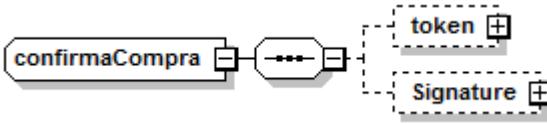
diagram	 <pre> sequenceDiagram participant Client participant Server Client->>Server: cancelaVendaResponse activate Server Server-->>Client: return deactivate Server </pre>
namespace	http://webservices.brasil-id.org.br/tag/
children	return
used by	element cancelaVendaResponse
source	<code><xs:complexType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

element cancelaVendaResponse/return

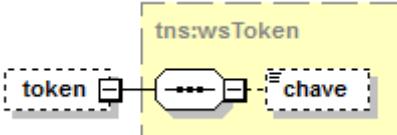
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source	<code><xs:element name="return" type="tns:wsResult" minOccurs="0"/></code>

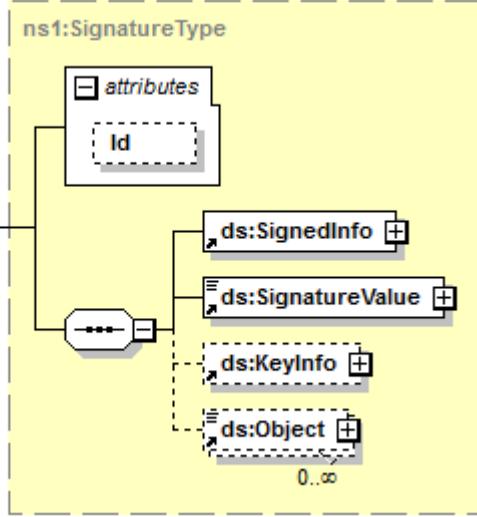
complexType confirmaCompra

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

element confirmaCompra/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>

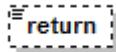
element confirmaCompra/Signature

diagram	 <pre> classDiagram ns1::SignatureType { attributes Id ds::SignedInfo ds::SignatureValue ds::KeyInfo ds::Object *0..∞ } </pre>												
type	ds:SignatureType												
properties	minOcc 0 maxOcc 1 content complex												
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source	<code><xs:element name="Signature" type="ns1:SignatureType" minOccurs="0"/></code>												

complexType confirmaCompraResponse

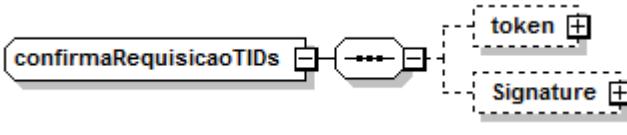
diagram	 <pre> sequenceDiagram participant ConfirmaCompraResponse as confirmaCompraResponse participant Return as return confirmaCompraResponse->>Return: return </pre>
namespace	http://webservices.brasil-id.org.br/tag/
children	return
used by	element confirmaCompraResponse
source	<code><xs:complexType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

element confirmaCompraResponse/return

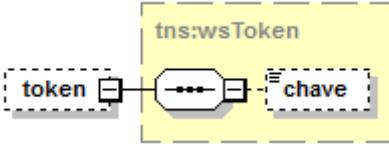
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source	<code><xs:element name="return" type="tns:wsResult" minOccurs="0"/></code>

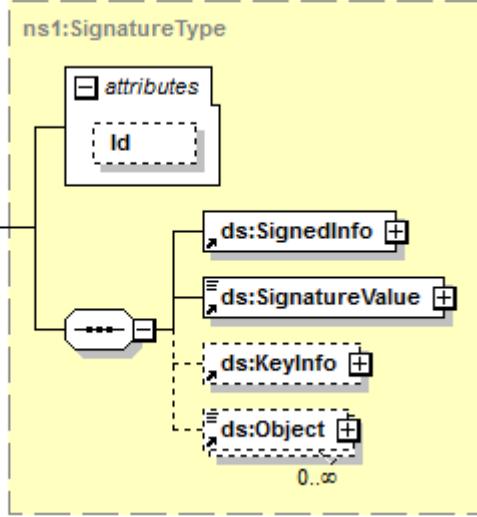
complexType confirmaRequisicaoTIDs

diagram	
namespace	http://webservices.brasil-id.org.br/tag/
children	token Signature
used by	element confirmaRequisicaoTIDs
source	<code><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></code>

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>

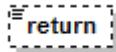
element confirmaRequisicaoTIDs/Signature

diagram	 <pre> classDiagram class ns1::SignatureType { <<ns1>> attributes <<id>> Signature *ds::SignedInfo *ds::SignatureValue *ds::KeyInfo *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 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	<pre><xs:element name="Signature" type="ns1:SignatureType" minOccurs="0"/></pre>												

complexType confirmaRequisicaoTIDsResponse

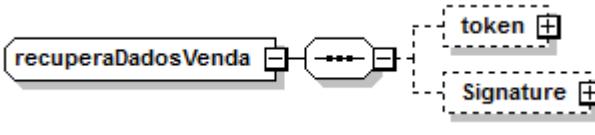
diagram	 <pre> sequenceDiagram participant P1 participant P2 P1->>P2: confirmaRequisicaoTIDsRespon... activate P2 P2-->>P1: return deactivate P2 </pre>
namespace	http://webservices.brasil-id.org.br/tag/
children	return
used by	element confirmaRequisicaoTIDsResponse
source	<pre><xs:complexType name="confirmaRequisicaoTIDsResponse"> <xs:sequence> <xs:element name="return" type="tns:wsResult" minOccurs="0"/> </xs:sequence> </xs:complexType></pre>

element confirmaRequisicaoTIDsResponse/return

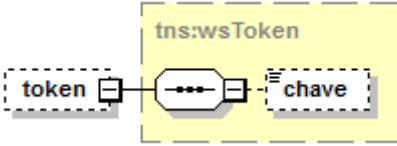
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source	<code><xs:element name="return" type="tns:wsResult" minOccurs="0"/></code>

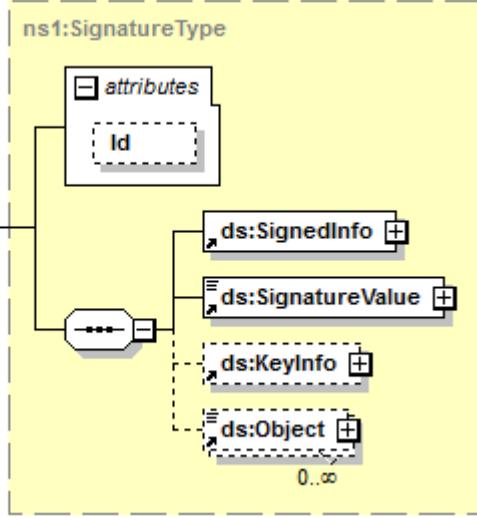
complexType recuperadaDadosVenda

diagram	
namespace	http://webservices.brasil-id.org.br/tag/
children	token Signature
used by	element recuperaDadosVenda
source	<pre><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></pre>

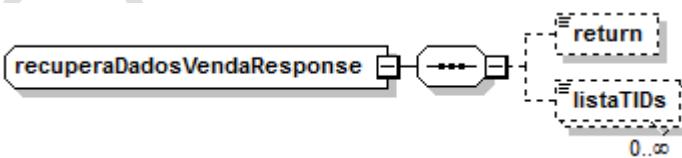
element recuperadaDadosVenda/token

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 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			
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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

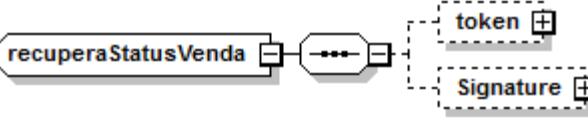
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	enumeration ERRO_TAG_NAO_PODE_SER_VENDIDA
	enumeration ERRO_NAO_FOI_POSSIVEL_DECODIFICAR_A_MENSAGEM
source	<xs:element name="return" type="tns:wsResult" minOccurs="0"/>

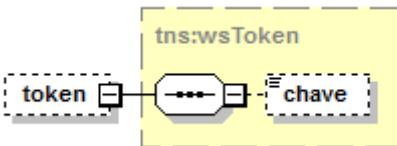
element recuperaDadosVendaResponse/listaTIDs

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

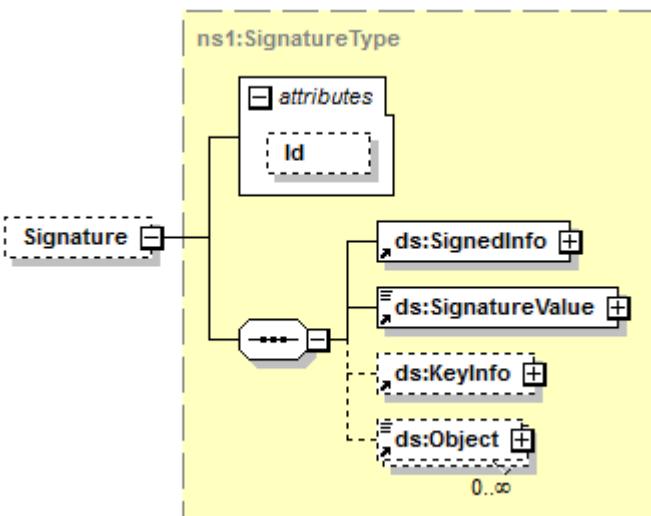
complexType recuperaStatusVenda

diagram	
namespace	http://webservices.brasil-id.org.br/tag/
children	token Signature
used by	element recuperaStatusVenda
source	<pre><xs:complexType name="recuperaStatusVenda"> <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 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			
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complexType recuperarStatusVendaResponse

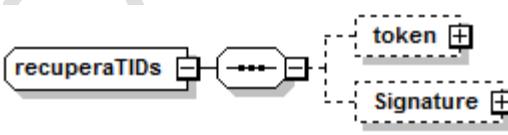
diagram	
namespace	http://webservices.brasil-id.org.br/tag/
children	return
used by	element recuperarStatusVendaResponse
source	<pre><xs:complexType name="recuperarStatusVendaResponse"> <xs:sequence> <xs:element name="return" type="tns:wsResult" minOccurs="0"/> </xs:sequence> </xs:complexType></pre>

element recuperarStatusVendaResponse/return

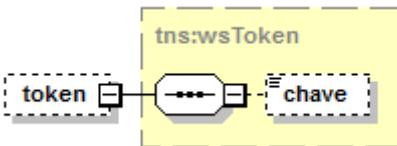
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source	<xs:element name="return" type="tns:wsResult" minOccurs="0"/>

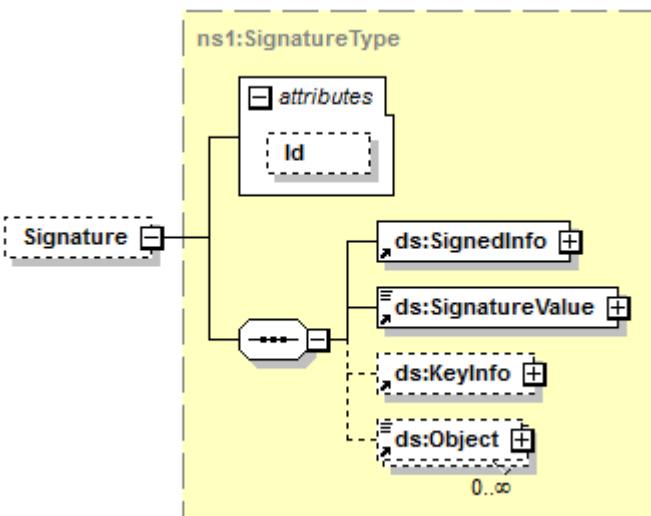
complexType recuperarTIDs

diagram	
namespace	http://webservices.brasil-id.org.br/tag/
children	token Signature
used by	element recuperaTIDs
source	<pre><xs:complexType name="recuperaTIDs"> <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>

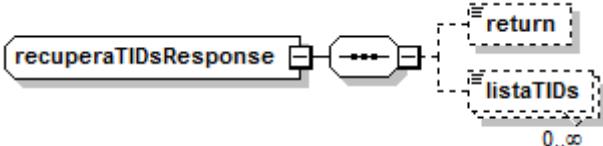
element recuperarTIDs/token

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 recuperarTIDs/Signature

diagram													
type	ds:SignatureType												
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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	 <pre> sequenceDiagram participant R participant S R->>S: recuperarTIDsResponse activate S S-->>R: return deactivate S activate R R-->>S: listaTIDs [0..∞] deactivate R </pre>
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	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> </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	
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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"/>

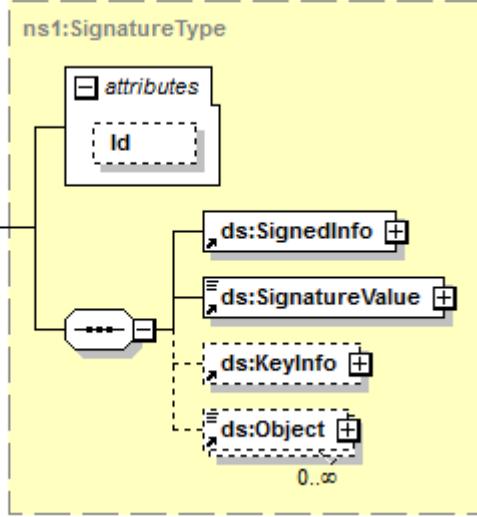
complexType **registraEP**

diagram	 A UML sequence diagram showing the structure of the registraEP complex type. It starts with a box labeled "registraEP", followed by a separator symbol (an oval with three dots). Then there is a dashed box containing two elements: "dictTipEp" (with a multiplicity of 0..infinity) and "Signature" (with a multiplicity of 0..infinity).
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	 A UML sequence diagram showing the structure of the dictTipEp element. It starts with a dashed box labeled "dictTipEp" (with a multiplicity of 0..infinity), followed by a separator symbol (an oval with three dots). Then there is a dashed box containing two elements: "EP" and "tid".
type	tns:tidEP
properties	<p>minOcc 0</p> <p>maxOcc unbounded</p> <p>content complex</p>
children	EP tid
source	<pre><xs:element name="dictTipEp" type="tns:tidEP" minOccurs="0" maxOccurs="unbounded"/></pre>

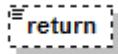
element registraEP/Signature

diagram	 <pre> classDiagram ns1::SignatureType { attributes Id ds::SignedInfo ds::SignatureValue ds::KeyInfo 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	<code><xs:element name="Signature" type="ns1:SignatureType" minOccurs="0"/></code>												

complexType registraEPResponse

diagram	 <pre> sequenceDiagram participant R participant S R->>S: registraEPResponse activate S S->>R: return deactivate S </pre>
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																																																																						
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source	<code><xs:element name="return" type="tns:wsResult" minOccurs="0"/></code>

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>

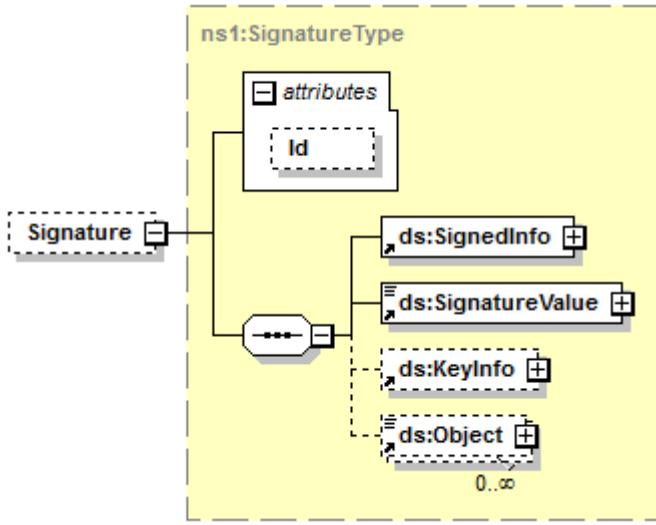
element registraVenda/idOperadora

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

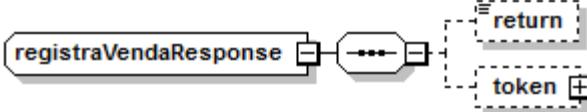
element registraVenda/listaTIDs

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"/>

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			
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source	<xs:element name="Signature" type="ns1:SignatureType" minOccurs="0"/>												

complexType registraVendaResponse

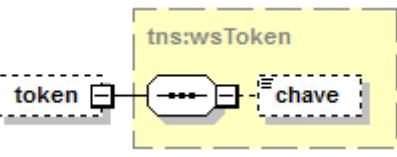
diagram	
namespace	http://webservices.brasil-id.org.br/tag/
children	return token
used by	element registraVendaResponse
source	<pre><xs:complexType name="registraVendaResponse"> <xs:sequence> <xs:element name="return" type="tns:wsResult" minOccurs="0"/> <xs:element name="token" type="tns:wsToken" minOccurs="0"/>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

element registraVendaResponse/return

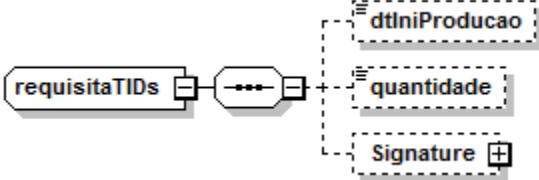
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source	<xs:element name="return" type="tns:wsResult" minOccurs="0"/>

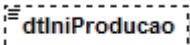
element **registraVendaResponse/token**

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

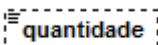
complexType requisitaTIDs

diagram	 <pre> sequenceDiagram participant R as requisitaTIDs participant D as dtIniProducao participant Q as quantidade participant S as Signature R->>D: R-->>Q: R-->>S: </pre>
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>

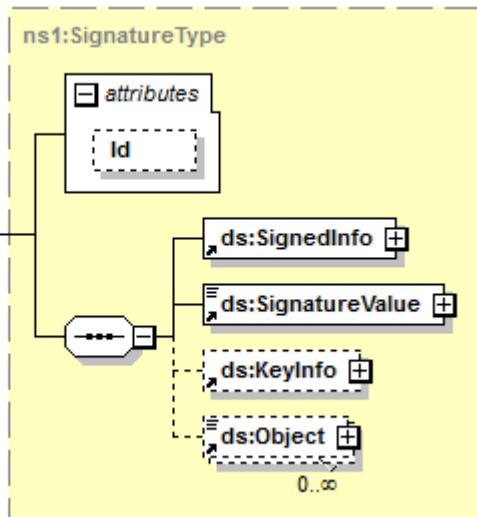
element requisitaTIDs/dtIniProducao

diagram	 <pre> classDiagram participant D as dtIniProducao D : xs:dateTime </pre>
type	xs:dateTime
properties	minOcc 0 maxOcc 1 content simple
source	<pre> <xs:element name="dtIniProducao" type="xs:dateTime" minOccurs="0"/> </pre>

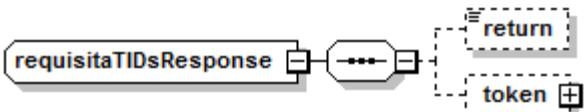
element requisitaTIDs/quantidade

diagram	 <pre> classDiagram participant Q as quantidade Q : xs:int </pre>
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	<p>minOcc 0</p> <p>maxOcc 1</p> <p>content complex</p>												
children	ds:SignedInfo ds:SignatureValue ds:KeyInfo ds:Object												
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complexType requisitaTIDsResponse

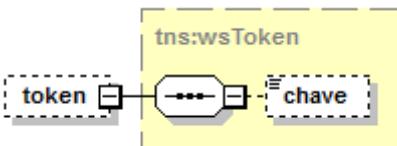
diagram	
namespace	http://webservices.brasil-id.org.br/tag/
children	return token
used by	element requisitaTIDsResponse
source	<code><xs:complexType name="requisitaTIDsResponse"></code> <code><xs:sequence></code> <code><xs:element name="return" type="tns:wsResult" minOccurs="0"/></code> <code><xs:element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

element requisitaTIDsResponse/return

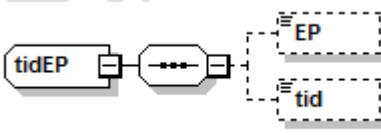
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source	<code><xs:element name="return" type="tns:wsResult" minOccurs="0"/></code>

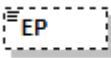
element requisitaTIDsResponse/token

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>

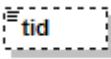
complexType tidEP

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

element tidEP/EP

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

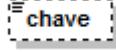
element tidEP/tid

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

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	<code><xs:complexType name="wsToken"> <xs:sequence> <xs:element name="chave" type="xs:string" minOccurs="0"/> </xs:sequence> </xs:complexType></code>

element wsToken/chave

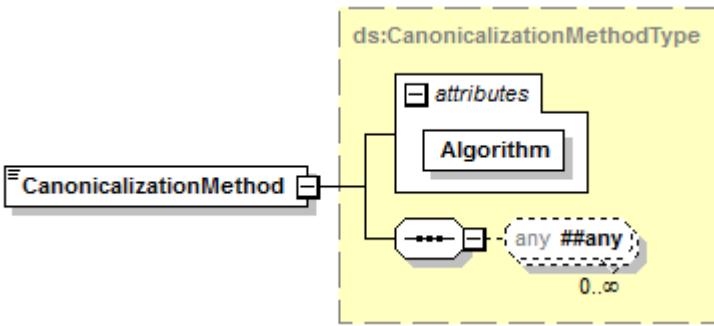
diagram	
type	xs:string
properties	minOcc 0 maxOcc 1 content simple
source	<xs:element name="chave" type="xs:string" minOccurs="0"/>

simpleType wsResult

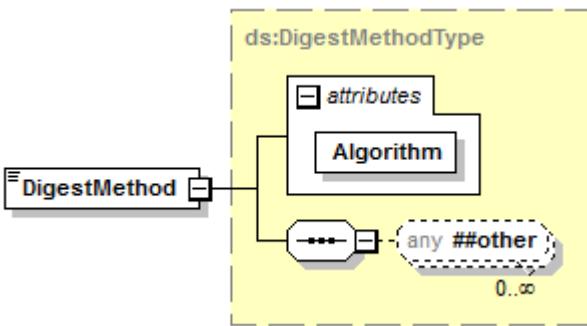
namespace	http://webservices.brasil-id.org.br/tag/	
type	restriction of xs:string	
properties	base xs:string	
used by	elements confirmaRequisicaoTIDsResponse/return recuperaTIDsResponse/return registraVendaResponse/return recuperaDadosVendaResponse/return confirmaCompraResponse/return cancelaRequisicaoTIDsResponse/return cancelaVendaResponse/return registraEPResponse/return recuperaStatusVendaResponse/return requisitaTIDsResponse/return	
facets	Kind	Value
	enumeration	SUCESSO
	enumeration	CHAMADA_ASSINCRONA_NAO_FINALIZADA
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	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_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_POSSE_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	 <pre> classDiagram CanonicalizationMethod "1" -- "*" ds:CanonicalizationMethodType ds:CanonicalizationMethodType { <<ds>> attributes Algorithm <<any>> "0..∞" } Algorithm --> any any --> Algorithm </pre>												
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

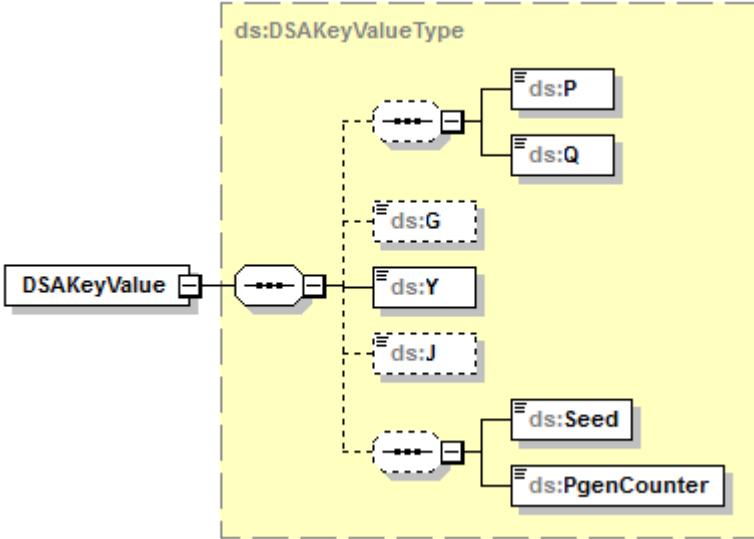
diagram	 <pre> classDiagram DigestMethod "1" -- "*" ds:DigestMethodType ds:DigestMethodType { <<ds>> attributes Algorithm <<any>> "0..∞" } Algorithm --> any any --> Algorithm </pre>						
namespace	http://www.w3.org/2000/09/xmldsig#						
type	ds:DigestMethodType						
properties	content complex mixed true						
used by	complexType ReferenceType						
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>Algorithm</u> xs:anyURI required
source	<xs:element name="DigestMethod" type="ds:DigestMethodType"/>

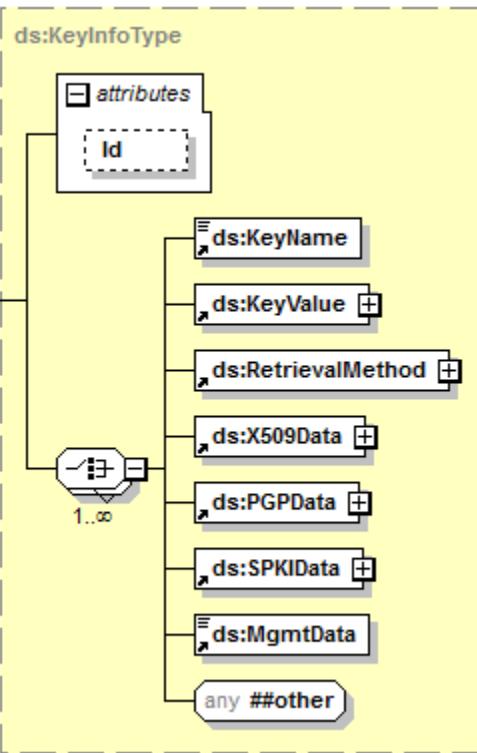
element DigestValue

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

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	<xs:element name="DSAKeyValue" type="ds:DSAKeyValue"/>

element KeyInfo

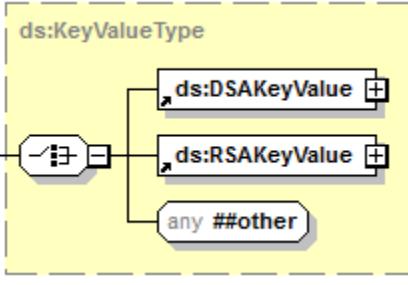
diagram	 <pre> classDiagram class ds:KeyInfoType { attribute Id attribute ds:KeyName attribute ds:KeyValue attribute ds:RetrievalMethod attribute ds:X509Data attribute ds:PGPData attribute ds:SPKIData attribute ds:MgmtData attribute any ##other } class KeyInfo { --> ds:KeyInfoType } </pre>												
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	 <pre> classDiagram class KeyValue class dsKeyValueType { <<ds:KeyValueType>> <<http://www.w3.org/2000/09/xmldsig#>> } KeyValue "1" -- "*" dsKeyValueType dsKeyValueType "*" -- "1..<<any ##other>>" anyOther dsKeyValueType "*" -- "1..<<ds:RSAKeyValue>>" dsRSAKeyValue dsKeyValueType "*" -- "1..<<ds:DSAKeyValue>>" dsDSAKeyValue </pre>
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

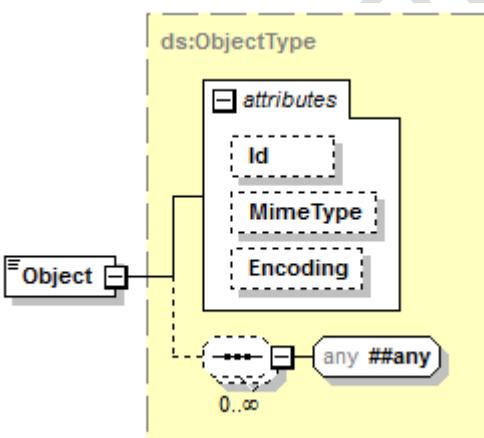
diagram	<pre> classDiagram class Manifest class dsManifestType { <<ds:ManifestType>> <<http://www.w3.org/2000/09/xmldsig#>> } Manifest "1" -- "*" dsManifestType dsManifestType "*" -- "1..<<1..>>" dsReference dsManifestType "*" -- "1..<<attributes>>" attributes attributes "*" -- "1..<<Id>>" Id </pre>
namespace	http://www.w3.org/2000/09/xmldsig#
type	ds:ManifestType
properties	content complex
children	ds:Reference
attributes	Name Type Use Default Fixed Annotation

	<u>Id</u>	xs:ID	optional
source	<xs:element name="Manifest" type="ds:ManifestType"/>		

element MgmtData

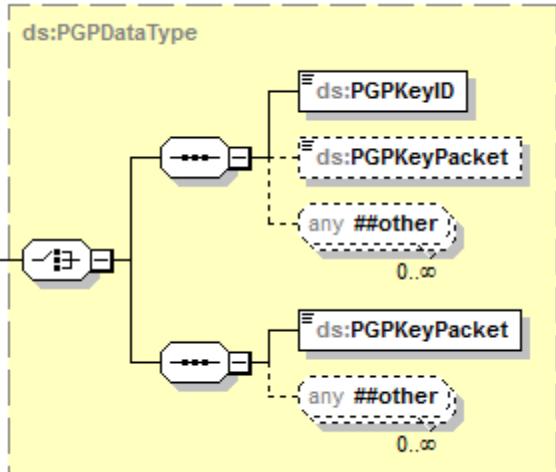
diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
type	xs:string
properties	content simple
used by	complexType KeyInfoType
source	<xs:element name="MgmtData" type="string"/>

element Object

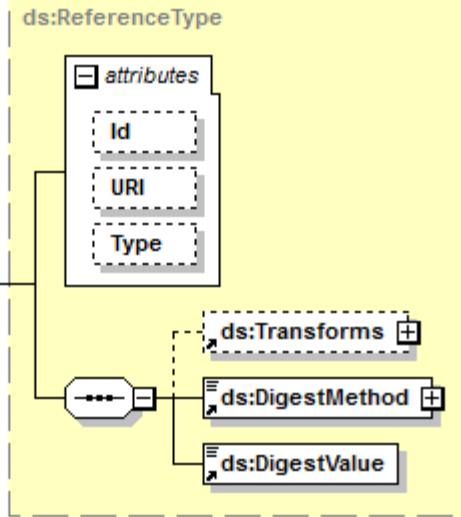
diagram																									
namespace	http://www.w3.org/2000/09/xmldsig#																								
type	ds:ObjectType																								
properties	content complex mixed true																								
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<u>Encoding</u>	xs:anyURI	optional																							

source	<code><xs:element name="Object" type="ds:ObjectType"/></code>
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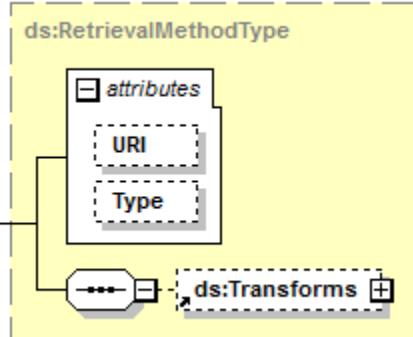
element PGPData

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

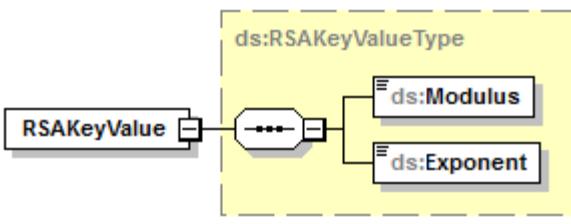
diagram	 <pre> classDiagram class ds:ReferenceType { attributes Id, URI, Type associations "1..1" --> ds:Transforms associations "1..1" --> ds:DigestMethod associations "1..1" --> ds:DigestValue } </pre>																								
namespace	http://www.w3.org/2000/09/xmldsig#																								
type	ds:ReferenceType																								
properties	content complex																								
children	ds:Transforms ds:DigestMethod ds:DigestValue																								
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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

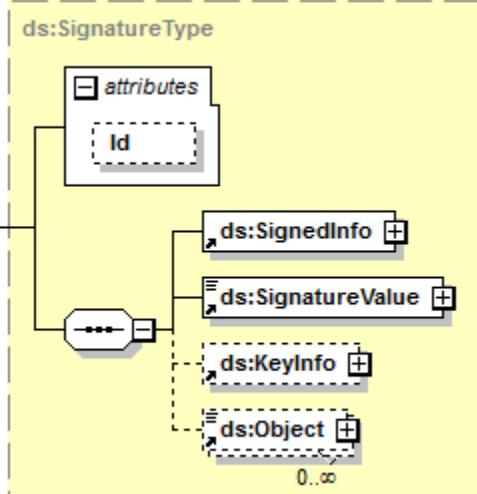
diagram	 <pre> classDiagram class ds:RetrievalMethodType { attributes URI, Type associations "1..1" --> ds:Transforms } </pre>
namespace	http://www.w3.org/2000/09/xmldsig#

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"/>					

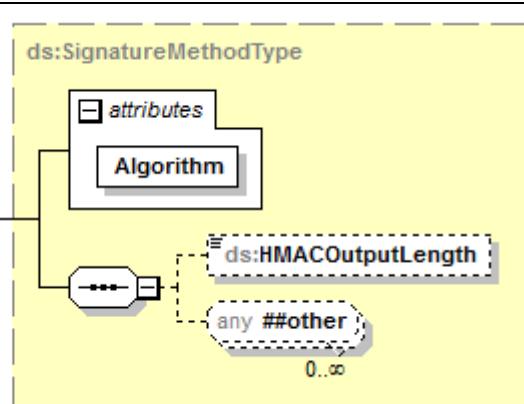
element RSAKeyValue

diagram	 <pre> classDiagram class RSAKeyValue { <<ds:RSAKeyValue>> } class RSAKeyValue { <<ds:RSAKeyValueType>> } class Modulus { <<ds:Modulus>> } class Exponent { <<ds:Exponent>> } RSAKeyValue "1" -- "1" RSAKeyValue RSAKeyValue "*" -- "1" Modulus RSAKeyValue "*" -- "1" Exponent </pre>
namespace	http://www.w3.org/2000/09/xmldsig#
type	ds:RSAKeyValueType
properties	content complex
children	ds:Modulus ds:Exponent
used by	complexType KeyValue
source	<xs:element name="RSAKeyValue" type="ds:RSAKeyValueType"/>

element Signature

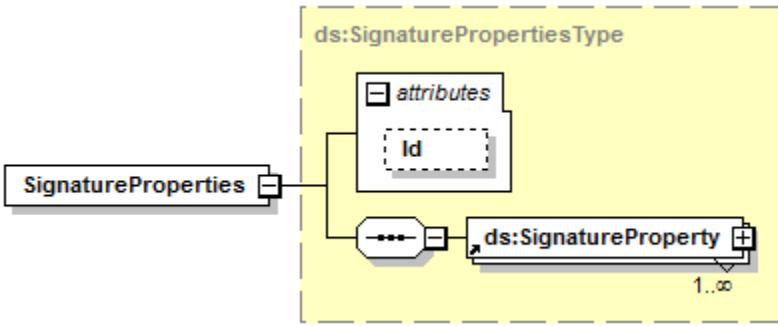
diagram	 <pre> classDiagram class Signature class ds.SignatureType { attribute id attribute attributes association to Signature association to ds.SignedInfo association to ds.SignatureValue association to ds.KeyInfo association to ds.Object multiplicity "0..∞" } </pre>												
namespace	http://www.w3.org/2000/09/xmldsig#												
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

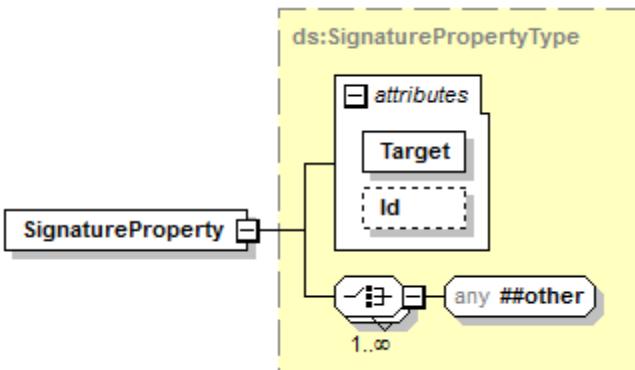
diagram	 <pre> classDiagram class SignatureMethod class ds.SignatureMethodType { attribute Algorithm attribute ds.HMACOutputLength association to SignatureMethod association to any ##other multiplicity "0..∞" } </pre>
namespace	http://www.w3.org/2000/09/xmldsig#
type	ds:SignatureMethodType
properties	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

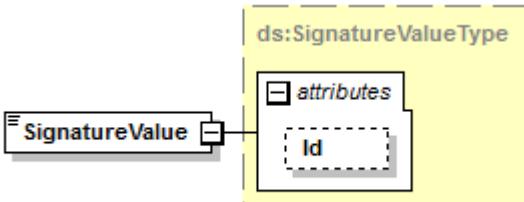
diagram	 <pre> classDiagram class SignatureProperties { <<ds:SignaturePropertiesType>> } class ds.SignatureProperty { <<ds:SignaturePropertyType>> } SignatureProperties "1" -- "∞" ds.SignatureProperty : { id : xs:ID } ds.SignatureProperty "1..∞" -- "1" SignatureProperties : { id : xs:ID } </pre>												
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

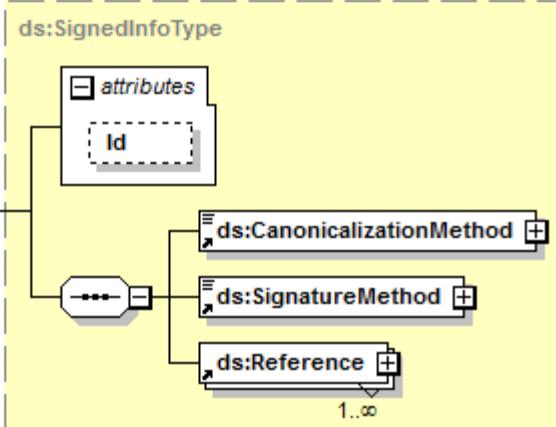
diagram	 <pre> classDiagram class SignatureProperty { <<ds:SignaturePropertyType>> } class any { <<any>> } SignatureProperty "1" -- "∞" any : { Target id : xs:ID } </pre>
---------	---

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	<pre><xs:element name="SignatureProperty" type="ds:SignaturePropertyType"/></pre>																							

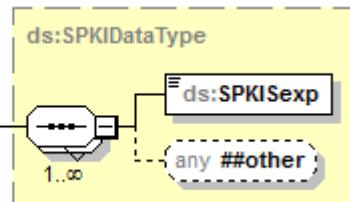
element SignatureValue

diagram													
namespace	http://www.w3.org/2000/09/xmldsig#												
type	ds:SignatureValueType												
properties	content complex												
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	<pre><xs:element name="SignatureValue" type="ds:SignatureValueType"/></pre>												

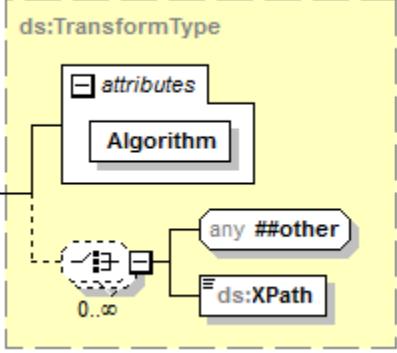
element SignedInfo

diagram	 <pre> classDiagram class SignedInfo class ds::SignedInfoType { attribute Id any #other --> ds::CanonicalizationMethod --> ds::SignatureMethod --> ds::Reference *{1..∞} } 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	<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>												

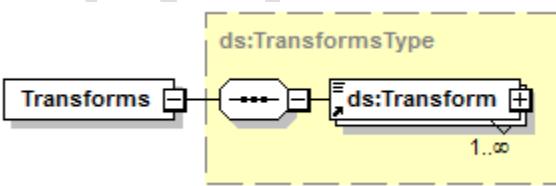
element SPKIData

diagram	 <pre> classDiagram class SPKIData class ds::SPKIDataType { --> ds::SPKISexp any #other *{1..∞} } SPKIData --> ds::SPKIDataType </pre>
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>

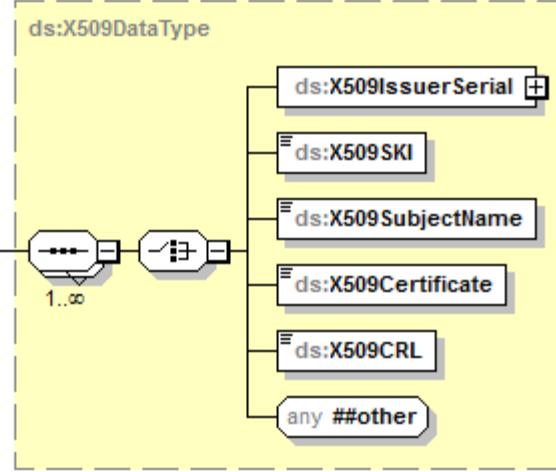
element Transform

diagram	 <pre> classDiagram class dsTransformType { attributes Algorithm <<any >>##other 0..∞ } Transform < -- dsTransformType dsXPath < -- dsTransformType </pre>												
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>												

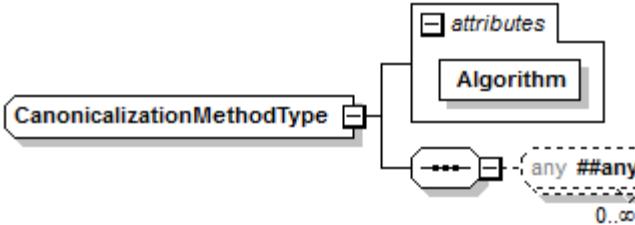
element Transforms

diagram	 <pre> classDiagram class dsTransformsType { Transforms <<ds:Transform>> 1..∞ } Transforms < -- dsTransformsType dsTransform < -- dsTransformsType </pre>
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	<xs:element name="X509Data" type="ds:X509DataType"/>

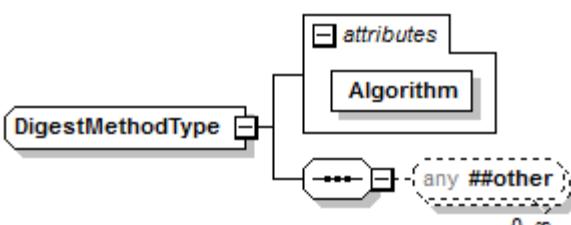
complexType CanonicalizationMethodType

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	<xs:attribute name="Algorithm" type="anyURI" use="required"/>

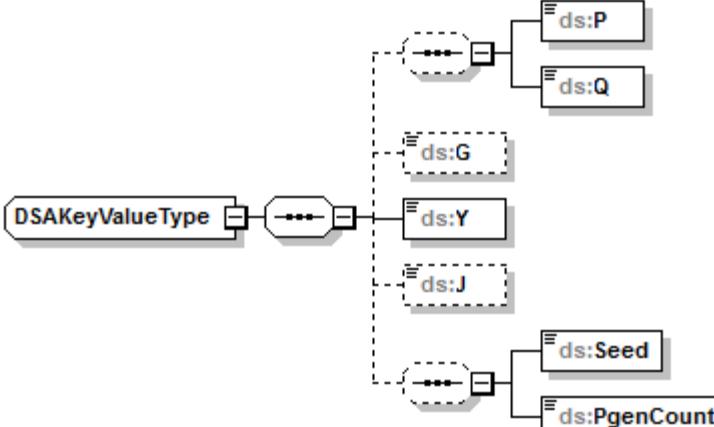
complexType DigestMethodType

diagram	 <pre> classDiagram class DigestMethodType { attribute 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	<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>												

attribute DigestMethodType/@Algorithm

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

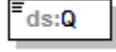
complexType **DSAKeyValue**

diagram	 <pre> sequenceDiagram participant DSAKeyValueType participant dsP participant dsQ participant dsG participant dsY participant dsJ participant dsSeed participant dsPgenCounter DSAKeyValueType->>dsP: DSAKeyValueType->>dsQ: DSAKeyValueType-->dsG: DSAKeyValueType-->dsY: DSAKeyValueType-->dsJ: DSAKeyValueType-->dsSeed: DSAKeyValueType-->dsPgenCounter: </pre>
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"/> <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 **DSAKeyValue**/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

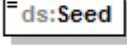
diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
type	ds: CryptoBinary
properties	content simple
source	<xs:element name="Y" type="ds: CryptoBinary"/>

element DSAKeyValueType/J

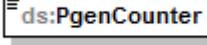
diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
type	ds: CryptoBinary

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

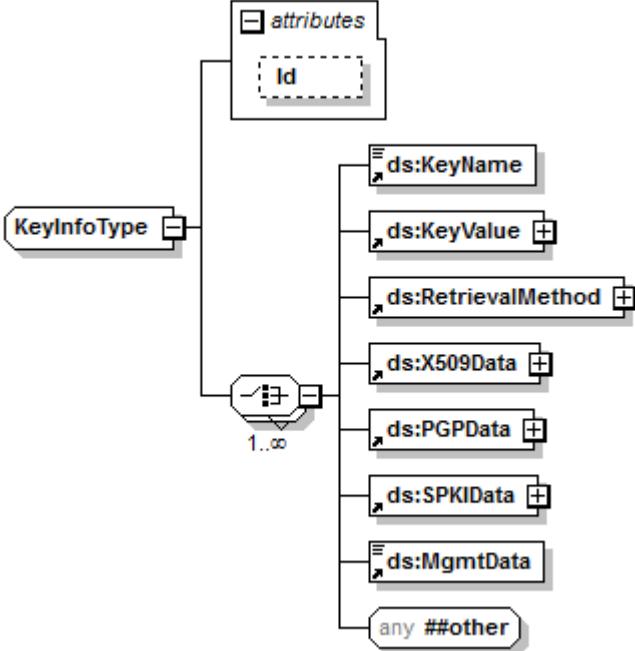
element DSAKeyValueType/Seed

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

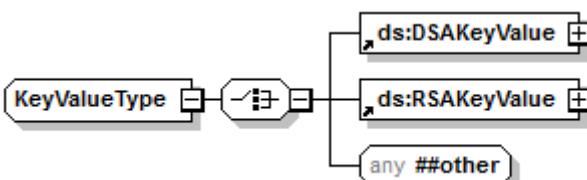
diagram													
namespace	http://www.w3.org/2000/09/xmldsig#												
properties	mixed true												
children	ds:KeyName ds:KeyValue ds:RetrievalMethod ds:X509Data ds:PGPData ds:SPKIData ds:MgmtData												
used by	element KeyInfo												
attributes	<table> <thead> <tr> <th>Name</th> <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 --> </xs:choice> <xs:attribute name="Id" type="ID" use="optional"/> </xs:complexType></pre>												

attribute KeyInfoType/@Id

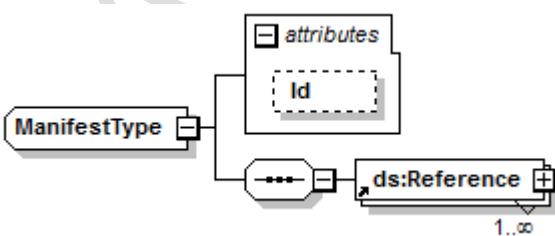
type	xs:ID
------	-----------------------

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**

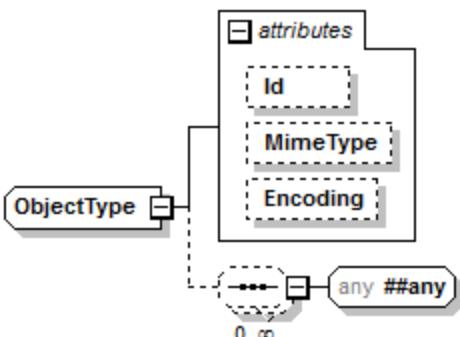
diagram													
namespace	http://www.w3.org/2000/09/xmldsig#												
children	ds:Reference												
used by	element Manifest												
attributes	<table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <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	<pre><xs:attribute name="Id" type="ID" use="optional"/></pre>

complexType ObjectType

diagram	 <pre> classDiagram class ObjectType { <<attributes>> <<Id : xs:ID>> <<MimeType : xs:string>> <<Encoding : xs:anyURI>> <<any : xs:any>> *..0 } </pre>																								
namespace	http://www.w3.org/2000/09/xmldsig#																								
properties	mixed true																								
used by	element Object																								
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> <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 --> </xs:complexType> </pre>																								

attribute ObjectType/@Id

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

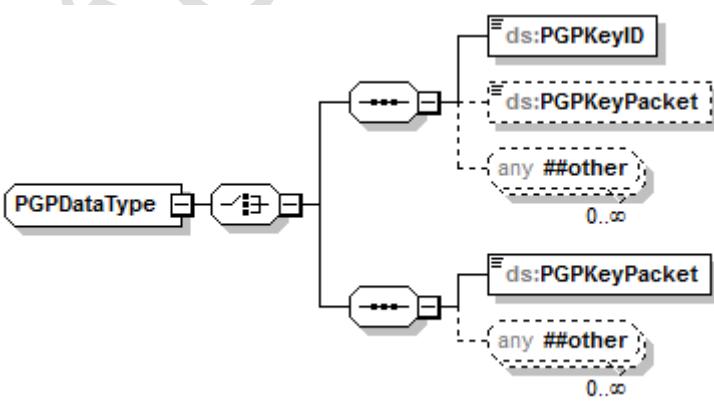
attribute ObjectType/@MimeType

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

attribute ObjectType/@Encoding

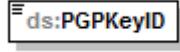
type	xs:anyURI
properties	use optional
source	<xs:attribute name="Encoding" type="anyURI" use="optional"/>

complexType PGPDataType

diagram	 <pre> sequenceDiagram participant PGPDataType as PGPDataType participant PGPKeyID as ds:PGPKeyID participant PGPKeyPacket as ds:PGPKeyPacket participant Any as any ##other PGPDataType --> choice sequence1 sequence1 --> sequence PGPKeyID sequence1 --> sequence Any sequence1 --> loop sequence2 sequence2 --> sequence PGPKeyPacket sequence2 --> sequence Any sequence2 --> loop sequence2 </pre>
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

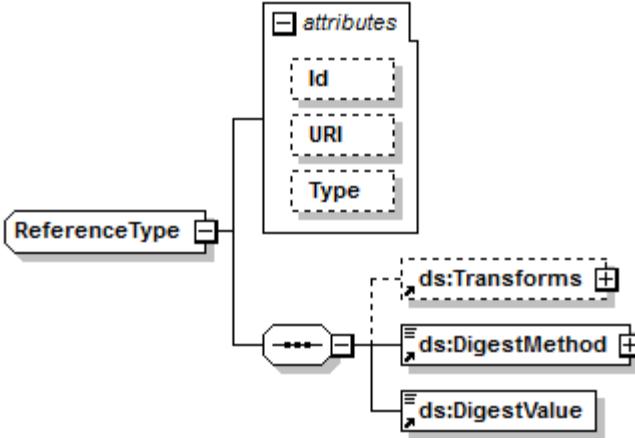
diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
type	xs:base64Binary
properties	minOcc 0 maxOcc 1 content simple
source	<xs:element name="PGPKeyPacket" type="base64Binary" minOccurs="0"/>

element PGPDataType/PGPKeyPacket

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

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

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>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	<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"/>

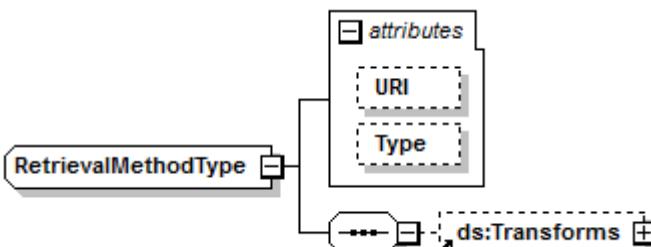
attribute ReferenceType/@URI

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	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	<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"/></pre>																		

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

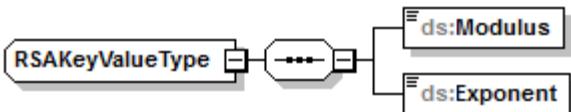
attribute RetrievalMethodType/@URI

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	
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

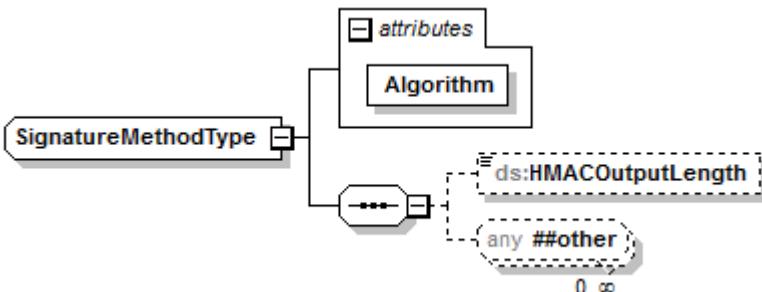
diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
type	ds: CryptoBinary
properties	content simple

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

element RSAKeyValueType/Exponent

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

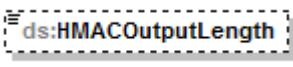
complexType SignatureMethodType

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>												

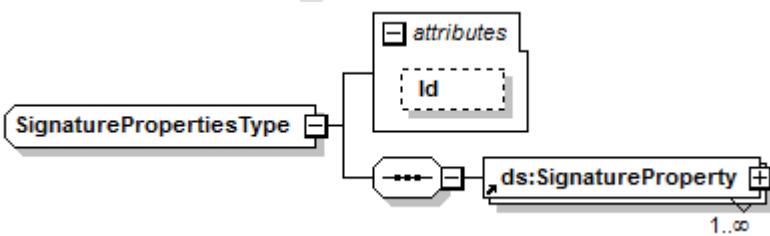
attribute SignatureMethodType/@Algorithm

type	xs:anyURI
properties	use required
source	<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"/>

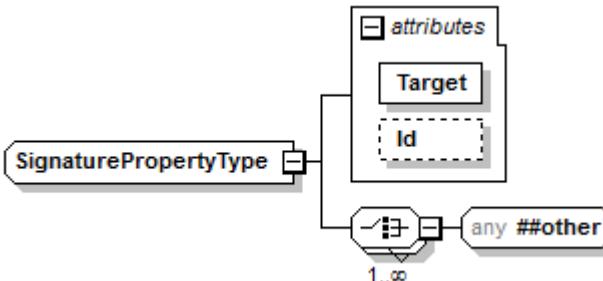
complexType SignaturePropertiesType

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	 <pre> graph LR SP[SignaturePropertyType] --> Target[Target] SP --> Id[Id] Target --- attributes[attributes] Target --- Id Target --- choice[any ##other] choice --- maxOccurs[1..∞] </pre>																		
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>																		

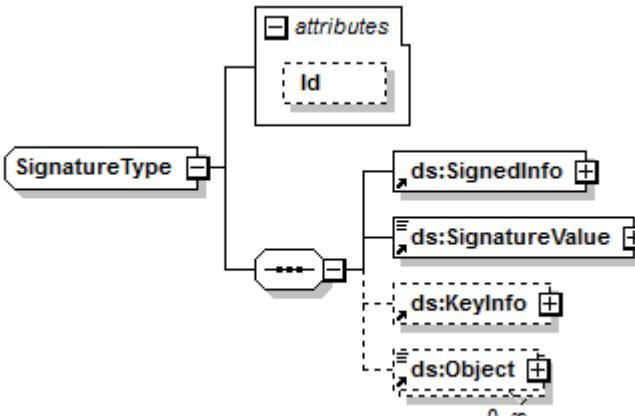
attribute **SignaturePropertyType/@Target**

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

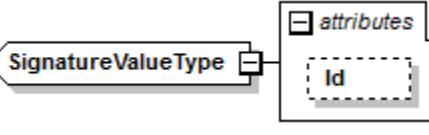
diagram	 <pre> classDiagram class SignatureType { <<SignatureType>> <<ds:SignedInfo>> <<ds:SignatureValue>> <<ds:KeyInfo>> <<ds:Object>> } class attributes { <<attributes>> <<Id>> } SignatureType "1" -- "*" attributes attributes "1" -- "*" ds:SignedInfo attributes "1" -- "*" ds:SignatureValue attributes "1" -- "*" ds:KeyInfo attributes "1" -- "*" ds:Object ds:SignatureValue "0..∞" </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>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	<xs:attribute name="Id" type="ID" use="optional"/>

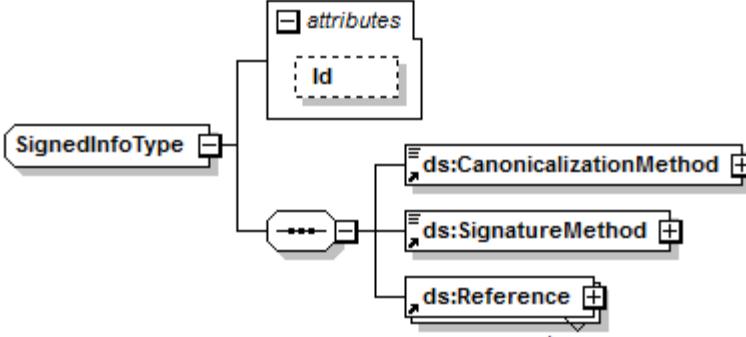
complexType SignatureValueType

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"/>

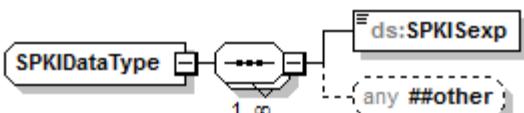
complexType **SignedInfoType**

diagram	 <pre> classDiagram class SignedInfoType { attribute Id } SignedInfoType "1..∞" --> ds:CanonicalizationMethod SignedInfoType "1..∞" --> ds:SignatureMethod SignedInfoType "1..∞" --> ds: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**

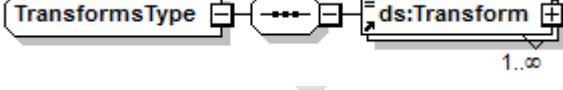
diagram	 <pre> classDiagram class SPKIDataType { sequence ds:SPKISexp any ##other } </pre>
namespace	http://www.w3.org/2000/09/xmldsig#
children	ds:SPKISexp
used by	element SPKIData

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>
--------	---

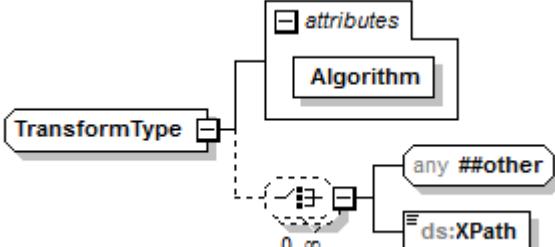
element SPKIDDataType/SPKISexp

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	 <pre> classDiagram class TransformType class Algorithm class attributes TransformType "1" --> "1" Algorithm Algorithm "1" --> "1" attributes TransformType "1" --> "0..<infinity>" any ##other </pre>												
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>												

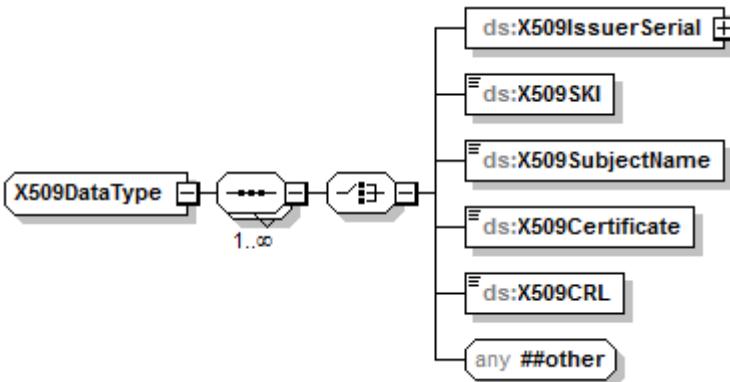
attribute TransformType/@Algorithm

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

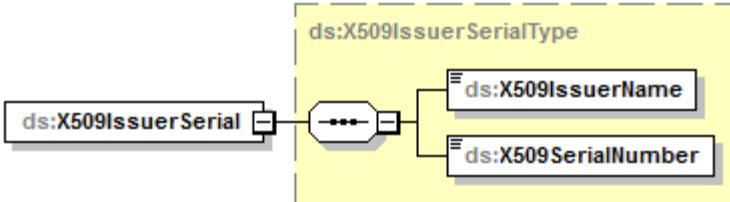
element TransformType/XPath

diagram	 <pre> classDiagram class ds:XPath </pre>
namespace	http://www.w3.org/2000/09/xmldsig#
type	xs:string
properties	content simple

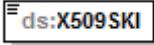
complexType **X509DataType**

diagram	 <pre> sequence { X509DataType *----> ... *----> ds:X509IssuerSerial *----> ds:X509SKI *----> ds:X509SubjectName *----> ... *----> ds:X509Certificate *----> ds:X509CRL *----> any ##other } </pre>
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>

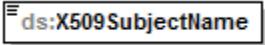
element X509DataType/X509IssuerSerial

diagram	 <pre> sequence { ds:X509IssuerSerial *----> ... *----> ds:X509IssuerName *----> ds:X509SerialNumber } </pre>
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>

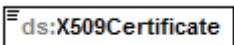
element X509DataType/X509SKI

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

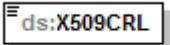
element X509DataType/X509SubjectName

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

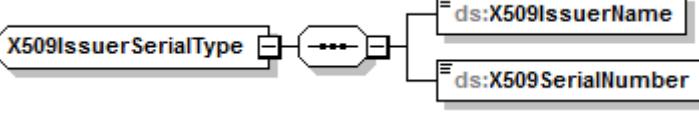
diagram	 ds:X509Certificate
namespace	http://www.w3.org/2000/09/xmldsig#
type	xs:base64Binary
properties	content simple
source	<xs:element name="X509Certificate" type="base64Binary"/>

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	
namespace	http://www.w3.org/2000/09/xmldsig#
children	ds:X509IssuerName ds:X509SerialNumber
used by	element X509DataType/X509IssuerSerial
source	<pre style="font-family: monospace; font-size: 0.8em;"> <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	
namespace	http://www.w3.org/2000/09/xmldsig#
type	xs:string
properties	content simple
source	<pre style="font-family: monospace; font-size: 0.8em;"> <xs:element name="X509IssuerName" type="string"/> </pre>

element X509IssuerSerialType/X509SerialNumber

diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
type	xs:integer
properties	content simple
source	<pre style="font-family: monospace; font-size: 0.8em;"> <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>

XML Schema documentation generated by [XMLSpy](#) Schema Editor <http://www.altova.com/xmlspy>

4.3 SCHEMA RELACIONADO AOS MÉTODOS DO CDF-E

Schema BackofficeBrasillIdCDFe.xsd

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

Elements	Complex types	Simple types
adicionaDocumento	adicionaDocumento	estadoCarqa
adicionaDocumentoResponse	adicionaDocumentoResponse	estadoDocument
associaCDFeTag	associaCDFeTag	wsResult
associaCDFeTagResponse	associaCDFeTagResponse	
buscaDocumentosMDFe	buscaDocumentosMDFe	
buscaDocumentosMDFeResponse	buscaDocumentosMDFeResponse	
encerraTransporte	encerraTransporte	
encerraTransporteResponse	encerraTransporteResponse	
finalizaGravacaoDocumentos	finalizaGravacaoDocumentos	
finalizaGravacaoDocumentosResponse	finalizaGravacaoDocumentosResponse	
gravaCDFeSmartCard	gravaCDFeSmartCard	
gravaCDFeSmartCardResponse	gravaCDFeSmartCardResponse	
gravaCDFeTag	gravaCDFeTag	
gravaCDFeTagResponse	gravaCDFeTagResponse	
iniciaGravacaoDocumentos	iniciaGravacaoDocumentos	
iniciaGravacaoDocumentosResponse	iniciaGravacaoDocumentosResponse	
inicializaCDFeTag	inicializaCDFeTag	
inicializaCDFeTagResponse	inicializaCDFeTagResponse	
recuperaStatusGravacao	recuperaStatusGravacao	
recuperaStatusGravacaoResponse	recuperaStatusGravacaoResponse	
recuperaStatusInicializacao	recuperaStatusInicializacao	
recuperaStatusInicializacaoResponse	recuperaStatusInicializacaoResponse	
requisitaChaves	requisitaChaves	

requisitaChavesComPaginacao	requisitaChavesComPaginacao
requisitaChavesComPaginacaoResponse	requisitaChavesComPaginacaoResponse
requisitaChavesPorDataInicial	requisitaChavesPorDataInicial
requisitaChavesPorDataInicialResponse	requisitaChavesPorDataInicialResponse
requisitaChavesResponse	requisitaChavesResponse
requisitaQuantidadeChaves	requisitaQuantidadeChaves
requisitaQuantidadeChavesResponse	requisitaQuantidadeChavesResponse
	wsCarga
	wsDocument
	wsKey
	wsToken

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

attributeFormDefault:

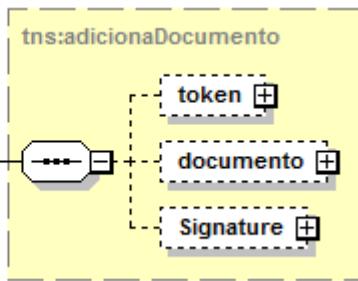
elementFormDefault: **qualified**

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	

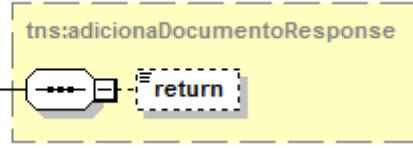
MgmtData	ReferenceType
Object	RetrievalMethodType
PGPData	RSAKeyValue-Type
Reference	SignatureMethodType
RetrievalMethod	SignaturePropertiesType
RSAKeyValue	SignaturePropertyType
Signature	SignatureType
SignatureMethod	SignatureValueType
SignatureProperties	SignedInfoType
SignatureProperty	SPKIDataType
SignatureValue	TransformsType
SignedInfo	TransformType
SPKIData	X509DataType
Transform	X509IssuerSerialType
Transforms	
X509Data	

element adicionaDocumento

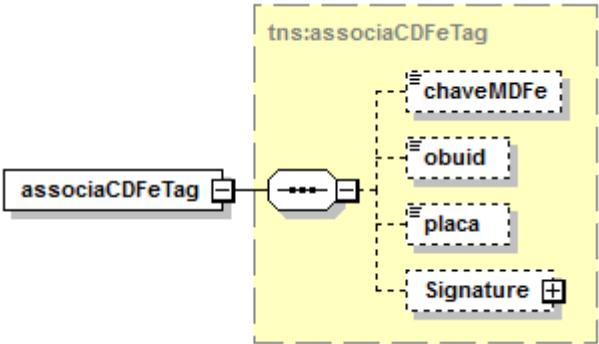
diagram	
namespace	http://webservices.brasil-id.org.br/cdfe/
type	tns:adicionaDocumento
properties	content complex
children	token documento Signature

source	<code><xs:element name="adicionaDocumento" type="tns:adicionaDocumento"/></code>
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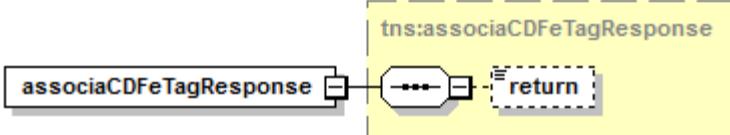
element adicionaDocumentoResponse

diagram	 <pre> sequenceDiagram participant A participant B A->>B: adicionaDocumentoResponse activate B B-->>A: return deactivate B </pre>
namespace	http://webservices.brasil-id.org.br/cdfe/
type	tns:adicionaDocumentoResponse
properties	content complex
children	return
source	<code><xs:element name="adicionaDocumentoResponse" type="tns:adicionaDocumentoResponse"/></code>

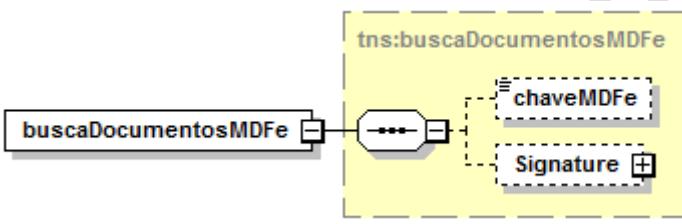
element associaCDFeTag

diagram	 <pre> sequenceDiagram participant A participant B A->>B: associaCDFeTag activate B B-->>A: chaveMDFe B-->>A: obuid B-->>A: placa B-->>A: Signature deactivate B </pre>
namespace	http://webservices.brasil-id.org.br/cdfe/
type	tns:associaCDFeTag
properties	content complex
children	chaveMDFe obuid placa Signature
source	<code><xs:element name="associaCDFeTag" type="tns:associaCDFeTag"/></code>

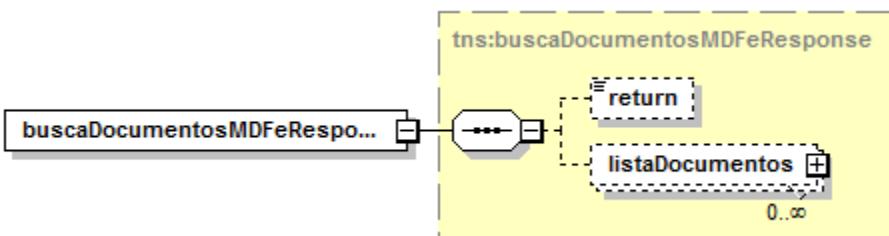
element associaCDFeTagResponse

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

element buscaDocumentosMDFe

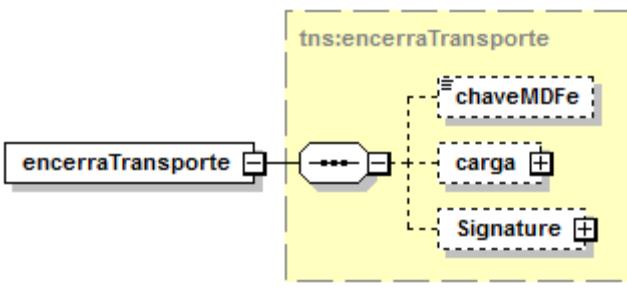
diagram	
namespace	http://webservices.brasil-id.org.br/cdfe/
type	tns:buscaDocumentosMDFe
properties	content complex
children	chaveMDFe Signature
source	<xs:element name="buscaDocumentosMDFe" type="tns:buscaDocumentosMDFe"/>

element buscaDocumentosMDFeResponse

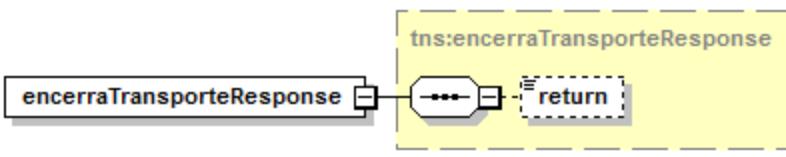
diagram	
namespace	http://webservices.brasil-id.org.br/cdfe/
type	tns:buscaDocumentosMDFeResponse

properties	content complex
children	return listaDocumentos
source	<xs:element name="buscaDocumentosMDFeResponse" type="tns:buscaDocumentosMDFeResponse"/>

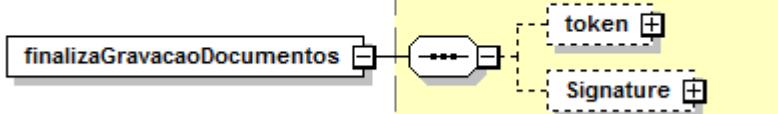
element encerraTransporte

diagram	
namespace	http://webservices.brasil-id.org.br/cdfe/
type	tns:encerraTransporte
properties	content complex
children	chaveMDFe carga Signature
source	<xs:element name="encerraTransporte" type="tns:encerraTransporte"/>

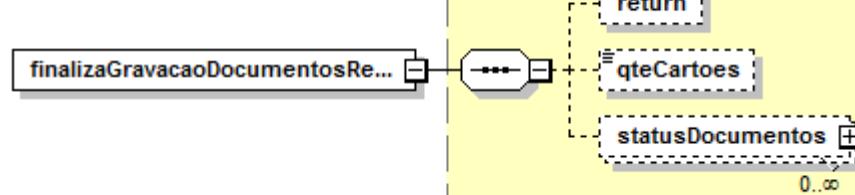
element encerraTransporteResponse

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

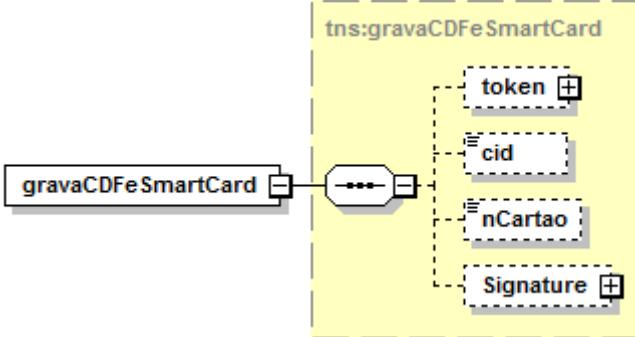
element **finalizaGravacaoDocumentos**

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

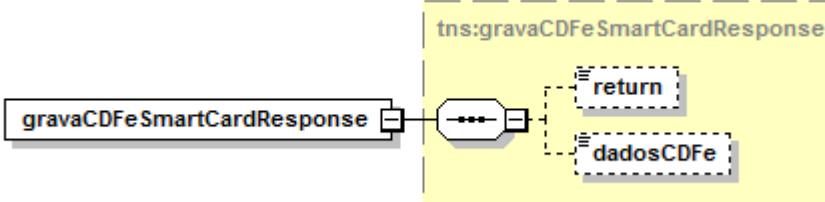
element **finalizaGravacaoDocumentosResponse**

diagram	
namespace	http://webservices.brasil-id.org.br/cdfe/
type	tns:finalizaGravacaoDocumentosResponse
properties	content complex
children	return qteCartoes statusDocumentos
source	<pre><xs:element name="finalizaGravacaoDocumentosResponse" type="tns:finalizaGravacaoDocumentosResponse"/></pre>

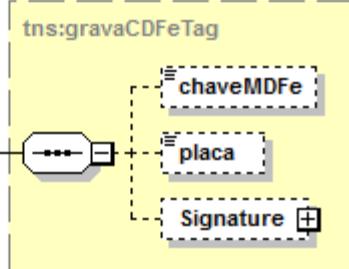
element gravaCDFeSmartCard

diagram	 <pre> graph LR A[gravaCDFeSmartCard] --> B{ } B --> C[token] B --> D[cid] B --> E[nCartao] B --> F[Signature] </pre>
namespace	http://webservices.brasil-id.org.br/cdfe/
type	tns:gravaCDFeSmartCard
properties	content complex
children	token cid nCartao Signature
source	<code><xs:element name="gravaCDFeSmartCard" type="tns:gravaCDFeSmartCard"/></code>

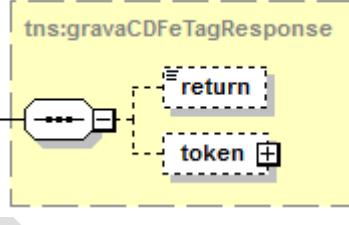
element gravaCDFeSmartCardResponse

diagram	 <pre> graph LR A[gravaCDFeSmartCardResponse] --> B{ } B --> C[return] B --> D[dadosCDFe] </pre>
namespace	http://webservices.brasil-id.org.br/cdfe/
type	tns:gravaCDFeSmartCardResponse
properties	content complex
children	return dadosCDFe
source	<code><xs:element name="gravaCDFeSmartCardResponse" type="tns:gravaCDFeSmartCardResponse"/></code>

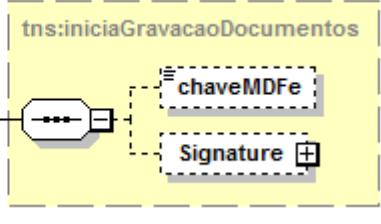
element gravaCDFeTag

diagram	 <pre> graph LR A[gravaCDFeTag] --> B(()) B --> C{ } C --> D[chaveMDFe] C --> E[placa] C --> F[Signature] </pre>
namespace	http://webservices.brasil-id.org.br/cdfe/
type	tns:gravaCDFeTag
properties	content complex
children	chaveMDFe placa Signature
source	<code><xs:element name="gravaCDFeTag" type="tns:gravaCDFeTag"/></code>

element gravaCDFeTagResponse

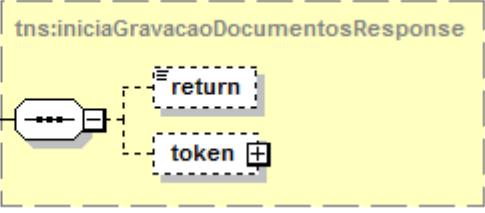
diagram	 <pre> graph LR A[gravaCDFeTagResponse] --> B(()) B --> C{ } C --> D[return] C --> E[token] </pre>
namespace	http://webservices.brasil-id.org.br/cdfe/
type	tns:gravaCDFeTagResponse
properties	content complex
children	return token
source	<code><xs:element name="gravaCDFeTagResponse" type="tns:gravaCDFeTagResponse"/></code>

element iniciaGravacaoDocumentos

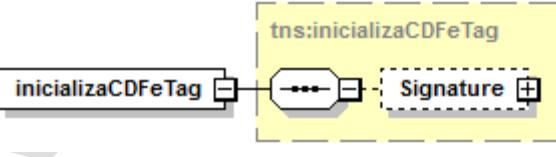
diagram	 <pre> graph LR A[iniciaGravacaoDocumentos] --> B(()) B --> C{ } C --> D[chaveMDFe] C --> E[Signature] </pre>
namespace	http://webservices.brasil-id.org.br/cdfe/

type	tns:iniciaGravacaoDocumentos
properties	content complex
children	chaveMDFe Signature
source	<xs:element name="iniciaGravacaoDocumentos" type="tns:iniciaGravacaoDocumentos"/>

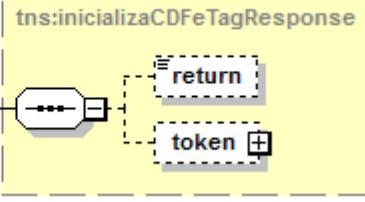
element iniciaGravacaoDocumentosResponse

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

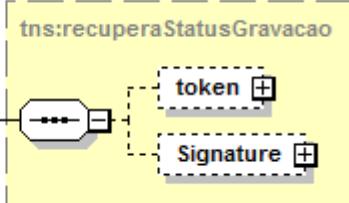
element inicializaCDFeTag

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

element inicializaCDFeTagResponse

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

element recuperaStatusGravacao

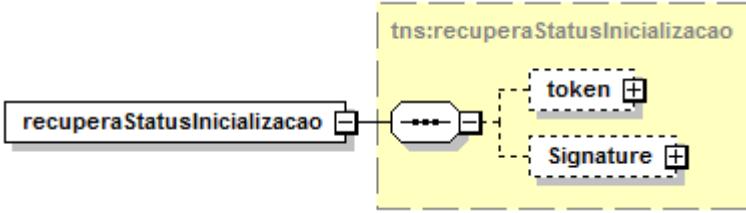
diagram	 <pre>tns:recuperaStatusGravacao</pre> <pre>recuperaStatusGravacao</pre> <pre>token</pre> <pre>Signature</pre>
namespace	http://webservices.brasil-id.org.br/cdfe/
type	<u>tns:recuperaStatusGravacao</u>
properties	content complex
children	<u>token Signature</u>
source	<pre><xs:element name="recuperaStatusGravacao"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

element recuperaStatusGravacaoResponse

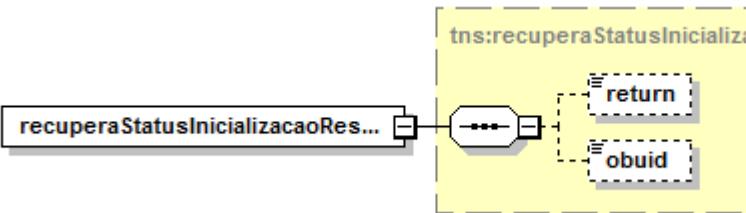
diagram	 <pre>tns:recuperaStatusGravacaoResponse</pre> <pre>recuperaStatusGravacaoRespo...</pre> <pre>return</pre>
namespace	http://webservices.brasil-id.org.br/cdfe/
type	<u>tns:recuperaStatusGravacaoResponse</u>
properties	content complex

children	return
source	<xs:element name="recuperaStatusGravacaoResponse" type="tns:recuperaStatusGravacaoResponse"/>

element recuperarStatusInicializacao

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

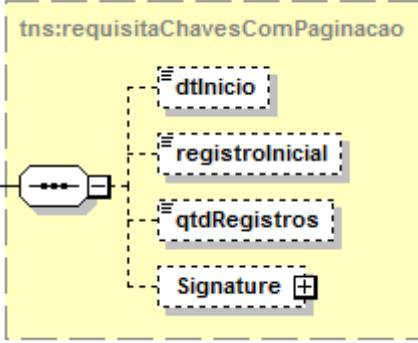
element recuperarStatusInicializacaoResponse

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

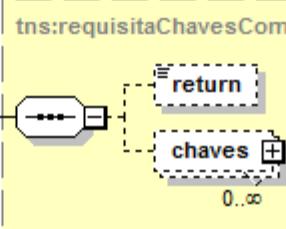
element requisitaChaves

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

element requisitaChavesComPaginacao

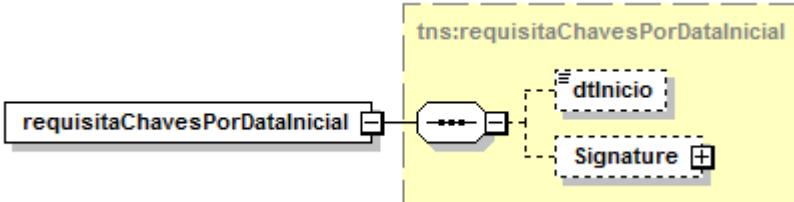
diagram	
namespace	http://webservices.brasil-id.org.br/cdfe/
type	tns:requisitaChavesComPaginacao
properties	content complex
children	dtInicio registroInicial qtdRegistros Signature
source	<xs:element name="requisitaChavesComPaginacao" type="tns:requisitaChavesComPaginacao"/>

element requisitaChavesComPaginacaoResponse

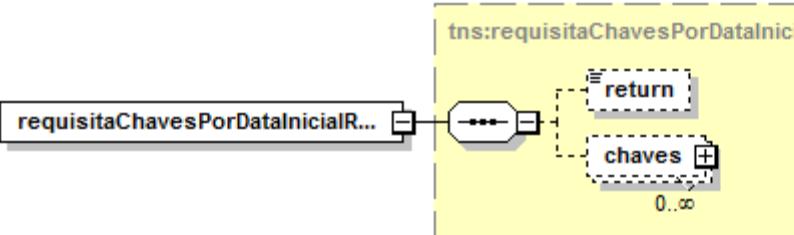
diagram	
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namespace	http://webservices.brasil-id.org.br/cdfe/
type	tns:requisitaChavesComPaginacaoResponse
properties	content complex
children	return_chaves
source	<xs:element name="requisitaChavesComPaginacaoResponse" type="tns:requisitaChavesComPaginacaoResponse"/>

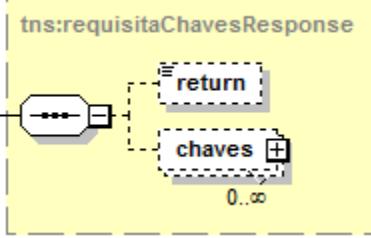
element requisitaChavesPorDataInicial

diagram	 <pre> sequenceDiagram participant Client participant Server Client->>Server: requisitaChavesPorDataInicial activate Server Note over Server: tns:requisitaChavesPorDataInicial activate Client Client-->>Client: dtInicio Client-->>Client: Signature deactivate Client deactivate Server </pre>
namespace	http://webservices.brasil-id.org.br/cdfe/
type	tns:requisitaChavesPorDataInicial
properties	content complex
children	dtInicio Signature
source	<xs:element name="requisitaChavesPorDataInicial" type="tns:requisitaChavesPorDataInicial"/>

element requisitaChavesPorDataInicialResponse

diagram	 <pre> sequenceDiagram participant Client participant Server Client->>Server: requisitaChavesPorDataInicialR... activate Server Note over Server: tns:requisitaChavesPorDataInicialResponse activate Client Client-->>Client: return_chaves deactivate Client deactivate Server </pre>
namespace	http://webservices.brasil-id.org.br/cdfe/
type	tns:requisitaChavesPorDataInicialResponse
properties	content complex
children	return_chaves
source	<xs:element name="requisitaChavesPorDataInicialResponse" type="tns:requisitaChavesPorDataInicialResponse"/>

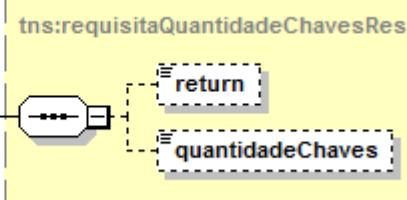
element requisitaChavesResponse

diagram	 <pre> classDiagram class requisitaChavesResponse class tns_requisitaChavesResponse { <<tns:requisitaChavesResponse>> <<return>> <<chaves>> <<0..>> } requisitaChavesResponse --> tns_requisitaChavesResponse : tns_requisitaChavesResponse --> return : tns_requisitaChavesResponse --> chaves : chaves <<0..>> </pre>
namespace	http://webservices.brasil-id.org.br/cdfe/
type	tns:requisitaChavesResponse
properties	content complex
children	return chaves
source	<xs:element name="requisitaChavesResponse" type="tns:requisitaChavesResponse"/>

element requisitaQuantidadeChaves

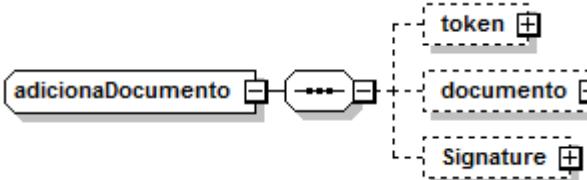
diagram	 <pre> classDiagram class requisitaQuantidadeChaves class tns_requisitaQuantidadeChaves { <<tns:requisitaQuantidadeChaves>> <<Signature>> } requisitaQuantidadeChaves --> tns_requisitaQuantidadeChaves : tns_requisitaQuantidadeChaves --> Signature : </pre>
namespace	http://webservices.brasil-id.org.br/cdfe/
type	tns:requisitaQuantidadeChaves
properties	content complex
children	Signature
source	<xs:element name="requisitaQuantidadeChaves" type="tns:requisitaQuantidadeChaves"/>

element requisitaQuantidadeChavesResponse

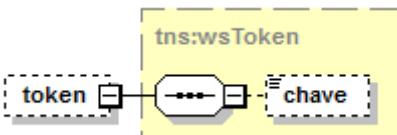
diagram	 <pre> classDiagram class requisitaQuantidadeChavesRe... class tns_requisitaQuantidadeChavesResponse { <<tns:requisitaQuantidadeChavesResponse>> <<return>> <<quantidadeChaves>> } requisitaQuantidadeChavesRe... --> tns_requisitaQuantidadeChavesResponse : tns_requisitaQuantidadeChavesResponse --> return : tns_requisitaQuantidadeChavesResponse --> quantidadeChaves : </pre>
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namespace	http://webservices.brasil-id.org.br/cdfe/
type	tns:requisitaQuantidadeChavesResponse
properties	content complex
children	return quantidadeChaves
source	<pre><xs:element name="requisitaQuantidadeChavesResponse" type="tns:requisitaQuantidadeChavesResponse"/></pre>

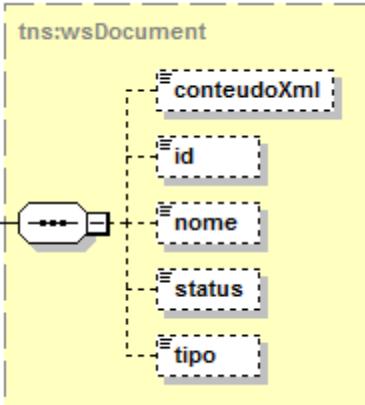
complexType adicionaDocumento

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

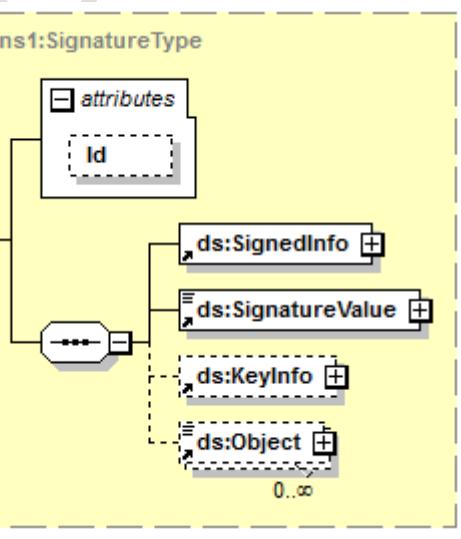
element adicionaDocumento/token

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

element adicionaDocumento/documento

diagram	
type	tns:wsDocument
properties	minOcc 0 maxOcc 1 content complex
children	conteudoXml id nome status tipo
source	<code><xs:element name="documento" type="tns:wsDocument" minOccurs="0"/></code>

element adicionaDocumento/Signature

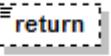
diagram	
type	ds:SignatureType
properties	minOcc 0

	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	<xs:element name="Signature" type="ns1:SignatureType" minOccurs="0"/>												

complexType adicionaDocumentoResponse

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

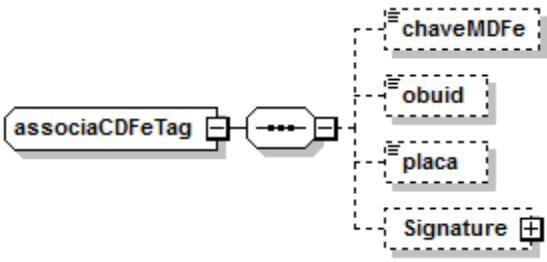
element adicionaDocumentoResponse/return

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_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> </tbody> </table>	Kind	Value	Annotation	enumeration	SUCESSO		enumeration	CHAMADA_ASSINCRONA_NAO_FINALIZADA		enumeration	ERRO_DECONHECIDO		enumeration	ERRO_PARAMETROS_INVALIDOS		enumeration	ERRO_NAO_APROVADO	
Kind	Value	Annotation																	
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	enumeration ERRO_PERMISSAO
	enumeration ERRO_TOKEN_INVALIDO
	enumeration ERRO_CID_NAO_ENCONTRADA
	enumeration ERRO_FABRICA_NAO_ENCONTRADA
	enumeration ERRO_OPERADORA_NAO_ENCONTRADA
	enumeration ERRO_CID_NAO_PERTENCE_FABRICA
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	enumeration CANCELADA_GRAVACAO_CDFE
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	enumeration ERRO_CDFE_NAO_ENCONTRADO
	enumeration ERRO_FALHA_GERACAO_OBUID
	enumeration ERRO_CDFE_NAO_ENCERRADO
	enumeration ERRO_NAO_HA_CARGA_ASSOCIADA

source	<code><xs:element name="return" type="tns:wsResult" minOccurs="0"/></code>
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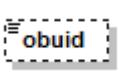
complexType associaCDFeTag

diagram	 <pre> sequenceDiagram participant A as associaCDFeTag participant B as chaveMDFe participant C as obuid participant D as placa participant E as Signature A->>B: A->>C: A->>D: A->>E: </pre>
namespace	http://webservices.brasil-id.org.br/cdfe/
children	chaveMDFe obuid placa Signature
used by	element associaCDFeTag
source	<code> <xs:complexType name="associaCDFeTag"> <xs:sequence> <xs:element name="chaveMDFe" type="xs:string" minOccurs="0"/> <xs:element name="obuid" type="xs:string" minOccurs="0"/> <xs:element name="placa" type="xs:string" minOccurs="0"/> <xs:element name="Signature" type="ns1:SignatureType" minOccurs="0"/> </xs:sequence> </xs:complexType> </code>

element associaCDFeTag/chaveMDFe

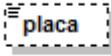
diagram							
type	<code>xs:string</code>						
properties	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">minOcc</td> <td style="width: 15%;">0</td> <td style="width: 15%;">maxOcc</td> <td style="width: 15%;">1</td> <td style="width: 15%;">content</td> <td style="width: 15%;">simple</td> </tr> </table>	minOcc	0	maxOcc	1	content	simple
minOcc	0	maxOcc	1	content	simple		
source	<code><xs:element name="chaveMDFe" type="xs:string" minOccurs="0"/></code>						

element associaCDFeTag/obuid

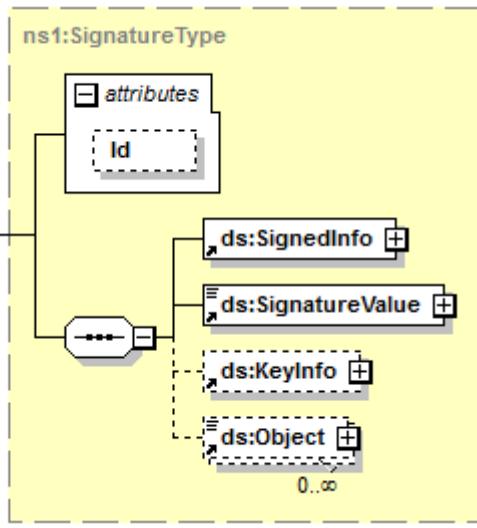
diagram	
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type	xs:string
properties	minOcc 0 maxOcc 1 content simple
source	<xs:element name="obuid" type="xs:string" minOccurs="0"/>

element associaCDFeTag/placa

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

element associaCDFeTag/Signature

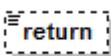
diagram	
type	ds:SignatureType
properties	minOcc 0 maxOcc 1 content complex
children	ds:SignedInfo ds:SignatureValue ds:KeyInfo ds:Object

attributes	Name	Type	Use	Default	Fixed	Annotation
	<u>Id</u>	xs:ID	optional			
source	<xs:element name="Signature" type="ns1:SignatureType" minOccurs="0"/>					

complexType associaCDFeTagResponse

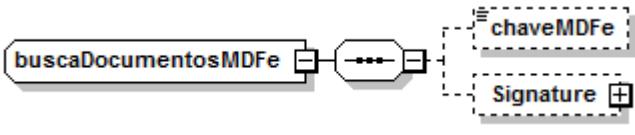
diagram	
namespace	http://webservices.brasil-id.org.br/cdfe/
children	<u>return</u>
used by	element associaCDFeTagResponse
source	<pre><xs:complexType name="associaCDFeTagResponse"> <xs:sequence> <xs:element name="return" type="tns:wsResult" minOccurs="0"/> </xs:sequence> </xs:complexType></pre>

element associaCDFeTagResponse/return

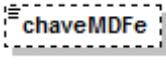
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source	<xs:element name="return" type="tns:wsResult" minOccurs="0"/>

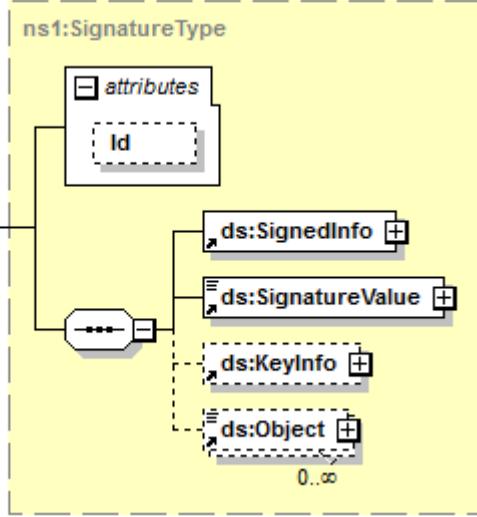
complexType buscaDocumentosMDFe

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

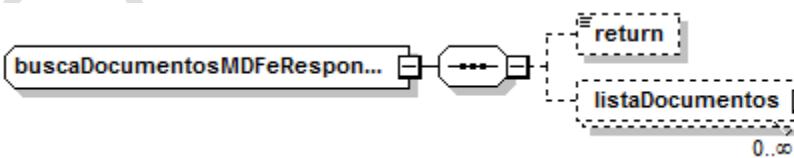
element buscaDocumentosMDFe/chaveMDFe

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

element buscaDocumentosMDFe/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 buscaDocumentosMDFeResponse

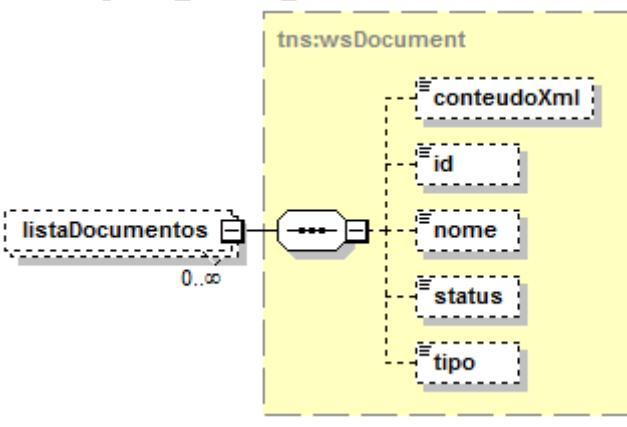
diagram	
namespace	http://webservices.brasil-id.org.br/cdfe/
children	return listaDocumentos
used by	element buscaDocumentosMDFeResponse
source	<pre><xs:complexType name="buscaDocumentosMDFeResponse"> <xs:sequence> <xs:element name="return" type="tns:wsResult" minOccurs="0"/> <xs:element name="listaDocumentos" type="tns:wsDocument" minOccurs="0" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType></pre>

element buscaDocumentosMDFeResponse/return

diagram	 return		
type	tns:wsResult		
properties	minOcc 0 maxOcc 1 content simple		
facets	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_CID_NAO_ENCONTRADA	
	enumeration	ERRO_FABRICA_NAO_ENCONTRADA	
	enumeration	ERRO_OPERADORA_NAO_ENCONTRADA	
	enumeration	ERRO_CID_NAO_PERTENCE_FABRICA	
	enumeration	ERRO_ECT_NAO_ENCONTRADO	
	enumeration	ERRO_FALHA_COMUNICACAO_ECT	
	enumeration	ERRO_FALHA_DE_DADOS_ECT	
	enumeration	ERRO_FALHA_VALIDACAO_ECT	
	enumeration	ERRO_CID_NAO_PODE_SER_VENDIDA	
	enumeration	ERRO_VEICULO_NAO_ENCONTRADO	
	enumeration	ERRO_USUARIO_NAO_ENCONTRADO	
	enumeration	ERRO_CHAVES_NAO_ENCONTRADAS	

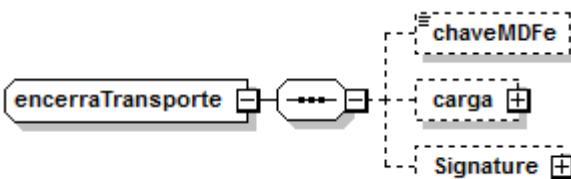
	enumeration ERRO_PERFIL_NAO_ENCONTRADO enumeration ERRO_CARGA_NAO_ENCONTRADA enumeration DOCUMENTO_ADICIONADO enumeration DOCUMENTO_VALIDO enumeration ERRO_DOCUMENTO_INVALIDO enumeration ERRO_FALTA_DOCUMENTOS enumeration ERRO_GRAVACAO_CDFE enumeration CANCELADA_GRAVACAO_CDFE enumeration ERRO_OBUID_NAO_ENCONTRADO enumeration ERRO_CDFE_NAO_ENCONTRADO enumeration ERRO_FALHA_GERACAO_OBUID enumeration ERRO_CDFE_NAO_ENCERRADO enumeration ERRO_NAO_HA_CARGA_ASSOCIADA
source	<xs:element name="return" type="tns:wsResult" minOccurs="0"/>

element buscaDocumentosMDFeResponse/listaDocumentos

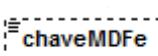
diagram	
type	tns:wsDocument
properties	minOcc 0 maxOcc unbounded content complex
children	conteudoXml id nome status tipo

source	<pre><xs:element name="listaDocumentos" type="tns:wsDocument" minOccurs="0" maxOccurs="unbounded"/></pre>
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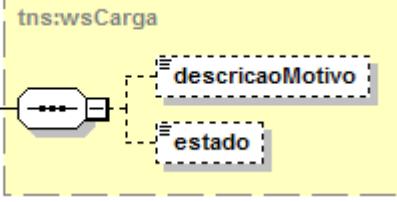
complexType encerraTransporte

diagram	
namespace	http://webservices.brasil-id.org.br/cdfe/
children	chaveMDFe carga Signature
used by	element encerraTransporte
source	<pre><xs:complexType name="encerraTransporte"> <xs:sequence> <xs:element name="chaveMDFe" type="xs:string" minOccurs="0"/> <xs:element name="carga" type="tns:wsCarga" minOccurs="0"/> <xs:element name="Signature" type="ns1:SignatureType" minOccurs="0"/> </xs:sequence> </xs:complexType></pre>

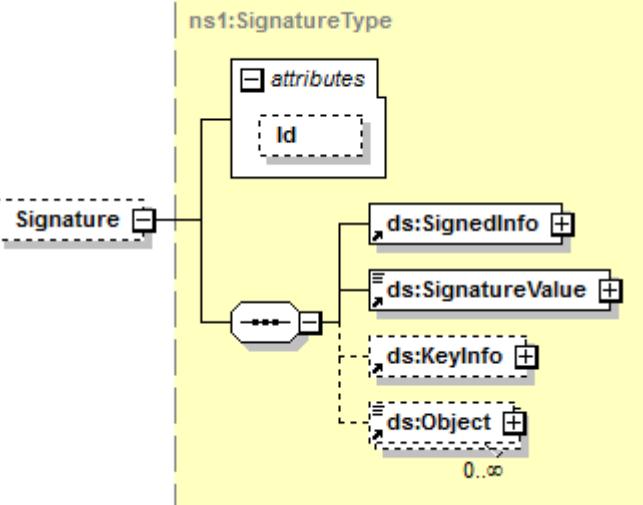
element encerraTransporte/chaveMDFe

diagram							
type	xs:string						
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						
source	<pre><xs:element name="chaveMDFe" type="xs:string" minOccurs="0"/></pre>						

element encerraTransporte/carga

diagram	
type	tns:wsCarga
properties	minOcc 0 maxOcc 1 content complex
children	descricaoMotivo estado
source	<code><xs:element name="carga" type="tns:wsCarga" minOccurs="0"/></code>

element encerraTransporte/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 encerraTransporteResponse

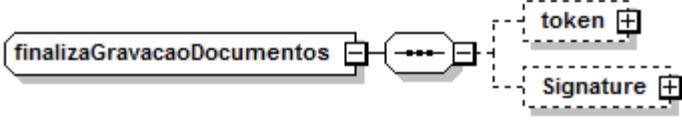
diagram	
namespace	http://webservices.brasil-id.org.br/cdfe/
children	return
used by	element encerraTransporteResponse
source	<pre><xs:complexType name="encerraTransporteResponse"> <xs:sequence> <xs:element name="return" type="tns:wsResult" minOccurs="0"/> </xs:sequence> </xs:complexType></pre>

element encerraTransporteResponse/return

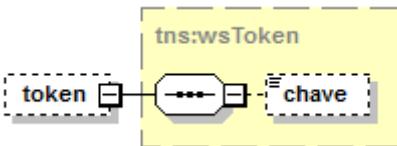
diagram																																		
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	enumeration ERRO_FALHA_DE_DADOS_ECT
	enumeration ERRO_FALHA_VALIDACAO_ECT
	enumeration ERRO_CID_NAO_PODE_SER_VENDIDA
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	enumeration ERRO_USUARIO_NAO_ENCONTRADO
	enumeration ERRO_CHAVES_NAO_ENCONTRADAS
	enumeration ERRO_PERFIL_NAO_ENCONTRADO
	enumeration ERRO_CARGA_NAO_ENCONTRADA
	enumeration DOCUMENTO_ADICIONADO
	enumeration DOCUMENTO_VALIDO
	enumeration ERRO_DOCUMENTO_INVALIDO
	enumeration ERRO_FALTA_DOCUMENTOS
	enumeration ERRO_GRAVACAO_CDFE
	enumeration CANCELADA_GRAVACAO_CDFE
	enumeration ERRO_OBUID_NAO_ENCONTRADO
	enumeration ERRO_CDFE_NAO_ENCONTRADO
	enumeration ERRO_FALHA_GERACAO_OBUID
	enumeration ERRO_CDFE_NAO_ENCERRADO
	enumeration ERRO_NAO_HA_CARGA_ASSOCIADA
source	<xs:element name="return" type="tns:wsResult" minOccurs="0"/>

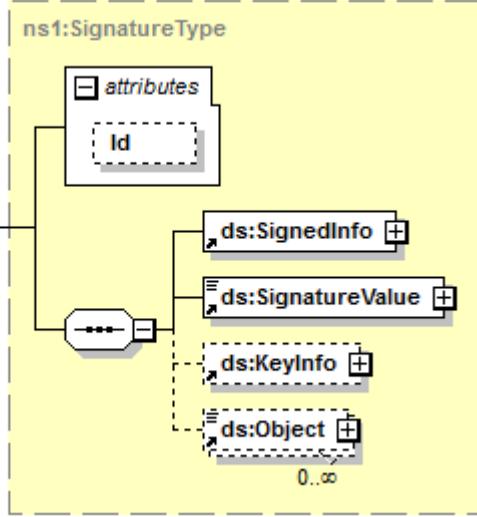
complexType finalizaGravacaoDocumentos

diagram	
namespace	http://webservices.brasil-id.org.br/cdfe/
children	token Signature
used by	element finalizaGravacaoDocumentos
source	<pre><xs:complexType name="finalizaGravacaoDocumentos"> <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>

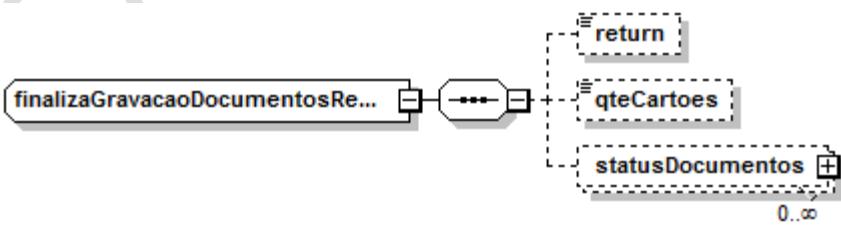
element finalizaGravacaoDocumentos/token

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

element **finalizaGravacaoDocumentos/Signature**

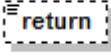
diagram													
type	ds:SignatureType												
properties	<p>minOcc 0</p> <p>maxOcc 1</p> <p>content complex</p>												
children	ds:SignedInfo ds:SignatureValue ds:KeyInfo ds:Object												
attributes	<table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</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 **finalizaGravacaoDocumentosResponse**

diagram	
namespace	http://webservices.brasil-id.org.br/cdfe/
children	return qteCartoes statusDocumentos
used by	element finalizaGravacaoDocumentosResponse
source	<pre> <xs:complexType name="finalizaGravacaoDocumentosResponse"> <xs:sequence> <xs:element name="return" type="tns:wsResult" minOccurs="0"/> <xs:element name="qteCartoes" type="xs:int" minOccurs="0"/> <xs:element name="statusDocumentos" type="tns:wsDocument" minOccurs="0" maxOccurs="unbounded"/> </pre>

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

element finalizaGravacaoDocumentosResponse/return

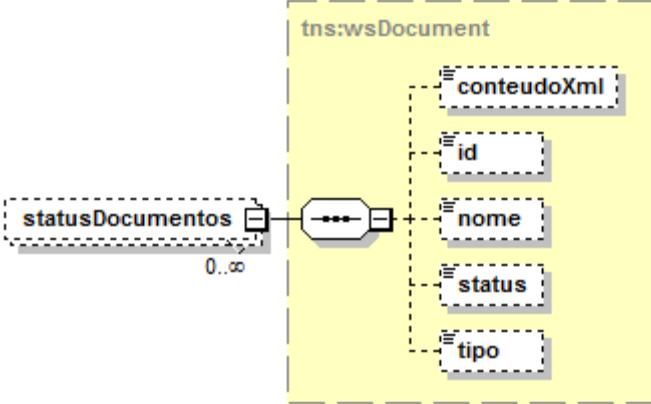
diagram																																																											
type	tns:wsResult																																																										
properties	minOcc 0 maxOcc 1 content simple																																																										
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <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_CID_NAO_ENCONTRADA</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_CID_NAO_PERTENCE_FABRICA</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_CID_NAO_PODE_SER_VENDIDA</td><td></td></tr> <tr> <td>enumeration</td><td>ERRO_VEICULO_NAO_ENCONTRADO</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_CID_NAO_ENCONTRADA		enumeration	ERRO_FABRICA_NAO_ENCONTRADA		enumeration	ERRO_OPERADORA_NAO_ENCONTRADA		enumeration	ERRO_CID_NAO_PERTENCE_FABRICA		enumeration	ERRO_ECT_NAO_ENCONTRADO		enumeration	ERRO_FALHA_COMUNICACAO_ECT		enumeration	ERRO_FALHA_DE_DADOS_ECT		enumeration	ERRO_FALHA_VALIDACAO_ECT		enumeration	ERRO_CID_NAO_PODE_SER_VENDIDA		enumeration	ERRO_VEICULO_NAO_ENCONTRADO	
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source	<xs:element name="return" type="tns:wsResult" minOccurs="0"/>

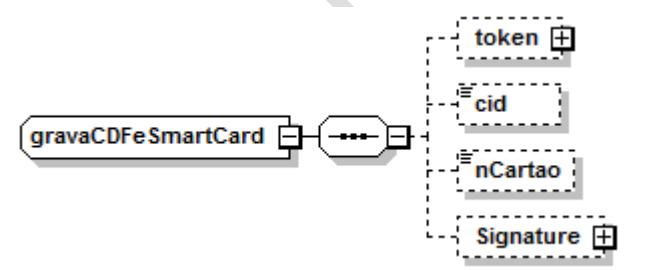
element finalizaGravacaoDocumentosResponse/qteCartoes

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

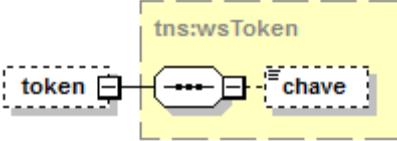
element **finalizaGravacaoDocumentosResponse/statusDocumentos**

diagram	 <pre> classDiagram class tns:wsDocument { conteudoXml id nome status tipo } class statusDocumentos { * conteudoXml * id * nome * status * tipo } statusDocumentos "0..∞" --> tns:wsDocument </pre>
type	tns:wsDocument
properties	minOcc 0 maxOcc unbounded content complex
children	conteudoXml id nome status tipo
source	<pre> <xs:element name="statusDocumentos" type="tns:wsDocument" minOccurs="0" maxOccurs="unbounded"/> </pre>

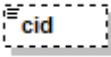
complexType **gravaCDFeSmartCard**

diagram	 <pre> classDiagram class gravaCDFeSmartCard { * token * cid * nCartao * Signature } gravaCDFeSmartCard "0..∞" --> gravaCDFeSmartCard </pre>
namespace	http://webservices.brasil-id.org.br/cdfe/
children	token cid nCartao Signature
used by	element gravaCDFeSmartCard
source	<pre> <xs:complexType name="gravaCDFeSmartCard"> <xs:sequence> <xs:element name="token" type="tns:wsToken" minOccurs="0"/> <xs:element name="cid" type="xs:string" minOccurs="0"/> <xs:element name="nCartao" type="xs:int" minOccurs="0"/> <xs:element name="Signature" type="ns1:SignatureType" minOccurs="0"/> </xs:sequence> </xs:complexType> </pre>

element gravaCDFeSmartCard/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>

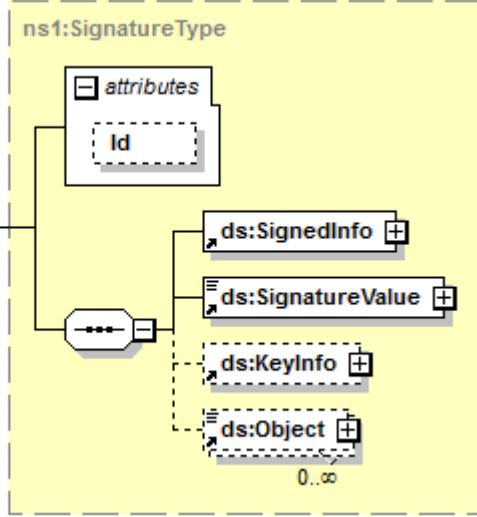
element gravaCDFeSmartCard/cid

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

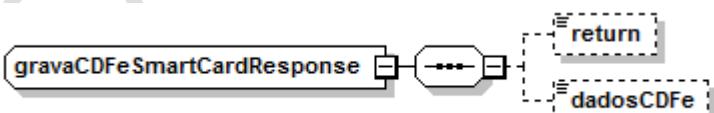
element gravaCDFeSmartCard/nCartao

diagram	
type	xs:int
properties	minOcc 0 maxOcc 1 content simple
source	<code><xs:element name="nCartao" type="xs:int" minOccurs="0"/></code>

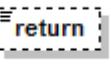
element gravaCDFeSmartCard/Signature

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 gravaCDFeSmartCardResponse

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

element gravaCDFeSmartCardResponse/return

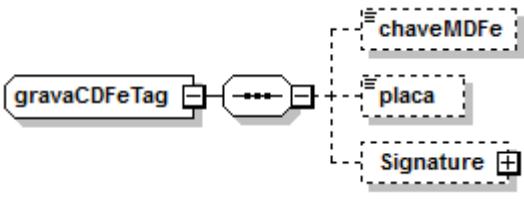
diagram	 return	
type	tns:wsResult	
properties	minOcc 0 maxOcc 1 content simple	
facets	Kind	Value
	enumeration	SUCESSO
	enumeration	CHAMADA_ASSINCRONA_NAO_FINALIZADA
	enumeration	ERRO_DECONHECIDO
	enumeration	ERRO_PARAMETROS_INVALIDOS
	enumeration	ERRO_NAO_APROVADO
	enumeration	ERRO_ASSINATURA_INVALIDA
	enumeration	ERRO_PERMISSAO
	enumeration	ERRO_TOKEN_INVALIDO
	enumeration	ERRO_CID_NAO_ENCONTRADA
	enumeration	ERRO_FABRICA_NAO_ENCONTRADA
	enumeration	ERRO_OPERADORA_NAO_ENCONTRADA
	enumeration	ERRO_CID_NAO_PERTENCE_FABRICA
	enumeration	ERRO_ECT_NAO_ENCONTRADO
	enumeration	ERRO_FALHA_COMUNICACAO_ECT
	enumeration	ERRO_FALHA_DE_DADOS_ECT
	enumeration	ERRO_FALHA_VALIDACAO_ECT
	enumeration	ERRO_CID_NAO_PODE_SER_VENDIDA
	enumeration	ERRO_VEICULO_NAO_ENCONTRADO
	enumeration	ERRO_USUARIO_NAO_ENCONTRADO
	enumeration	ERRO_CHAVES_NAO_ENCONTRADAS
	enumeration	ERRO_PERFIL_NAO_ENCONTRADO

	enumeration ERRO_CARGA_NAO_ENCONTRADA enumeration DOCUMENTO_ADICIONADO enumeration DOCUMENTO_VALIDO enumeration ERRO_DOCUMENTO_INVALIDO enumeration ERRO_FALTA_DOCUMENTOS enumeration ERRO_GRAVACAO_CDFE enumeration CANCELADA_GRAVACAO_CDFE enumeration ERRO_OBUID_NAO_ENCONTRADO enumeration ERRO_CDFE_NAO_ENCONTRADO enumeration ERRO_FALHA_GERACAO_OBUID enumeration ERRO_CDFE_NAO_ENCERRADO enumeration ERRO_NAO_HA_CARGA_ASSOCIADA
source	<xs:element name="return" type="tns:wsResult" minOccurs="0"/>

element gravaCDFeSmartCardResponse/dadosCDFe

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

complexType gravaCDFeTag

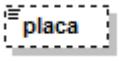
diagram	
---------	---

namespace	http://webservices.brasil-id.org.br/cdfe/
children	chaveMDFe placa Signature
used by	element gravaCDFeTag
source	<pre><xs:complexType name="gravaCDFeTag"> <xs:sequence> <xs:element name="chaveMDFe" type="xs:string" minOccurs="0"/> <xs:element name="placa" type="xs:string" minOccurs="0"/> <xs:element name="Signature" type="ns1:SignatureType" minOccurs="0"/> </xs:sequence> </xs:complexType></pre>

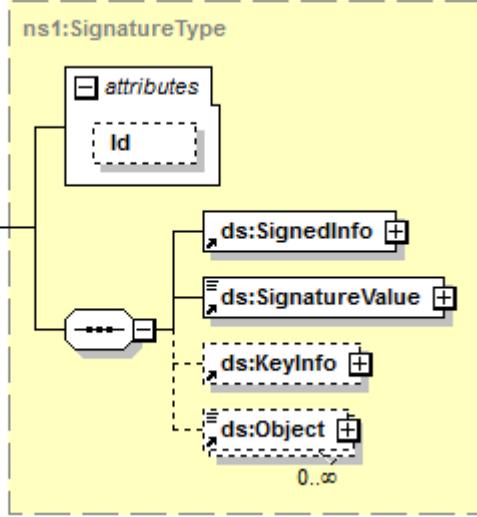
element gravaCDFeTag/chaveMDFe

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

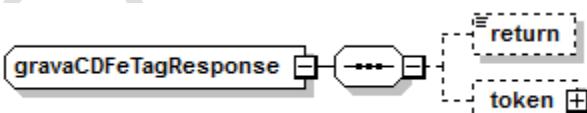
element gravaCDFeTag/placa

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

element gravaCDFeTag/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 gravaCDFeTagResponse

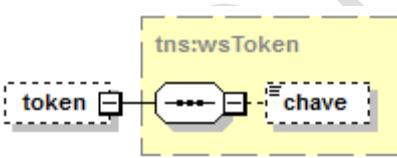
diagram	
namespace	http://webservices.brasil-id.org.br/cdfe/
children	return token
used by	element gravaCDFeTagResponse
source	<pre> <xs:complexType name="gravaCDFeTagResponse"> <xs:sequence> <xs:element name="return" type="tns:wsResult" minOccurs="0"/> <xs:element name="token" type="tns:wsToken" minOccurs="0"/>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

element gravaCDFeTagResponse/return

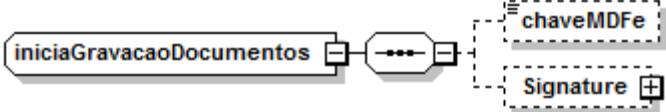
diagram	 return	
type	tns:wsResult	
properties	minOcc 0 maxOcc 1 content simple	
facets	Kind	Value
	enumeration	SUCESSO
	enumeration	CHAMADA_ASSINCRONA_NAO_FINALIZADA
	enumeration	ERRO_DECONHECIDO
	enumeration	ERRO_PARAMETROS_INVALIDOS
	enumeration	ERRO_NAO_APROVADO
	enumeration	ERRO_ASSINATURA_INVALIDA
	enumeration	ERRO_PERMISSAO
	enumeration	ERRO_TOKEN_INVALIDO
	enumeration	ERRO_CID_NAO_ENCONTRADA
	enumeration	ERRO_FABRICA_NAO_ENCONTRADA
	enumeration	ERRO_OPERADORA_NAO_ENCONTRADA
	enumeration	ERRO_CID_NAO_PERTENCE_FABRICA
	enumeration	ERRO_ECT_NAO_ENCONTRADO
	enumeration	ERRO_FALHA_COMUNICACAO_ECT
	enumeration	ERRO_FALHA_DE_DADOS_ECT
	enumeration	ERRO_FALHA_VALIDACAO_ECT
	enumeration	ERRO_CID_NAO_PODE_SER_VENDIDA
	enumeration	ERRO_VEICULO_NAO_ENCONTRADO
	enumeration	ERRO_USUARIO_NAO_ENCONTRADO
	enumeration	ERRO_CHAVES_NAO_ENCONTRADAS
	enumeration	ERRO_PERFIL_NAO_ENCONTRADO

	enumeration ERRO_CARGA_NAO_ENCONTRADA enumeration DOCUMENTO_ADICIONADO enumeration DOCUMENTO_VALIDO enumeration ERRO_DOCUMENTO_INVALIDO enumeration ERRO_FALTA_DOCUMENTOS enumeration ERRO_GRAVACAO_CDFE enumeration CANCELADA_GRAVACAO_CDFE enumeration ERRO_OBUID_NAO_ENCONTRADO enumeration ERRO_CDFE_NAO_ENCONTRADO enumeration ERRO_FALHA_GERACAO_OBUID enumeration ERRO_CDFE_NAO_ENCERRADO enumeration ERRO_NAO_HA_CARGA_ASSOCIADA
source	<xs:element name="return" type="tns:wsResult" minOccurs="0"/>

element gravaCDFeTagResponse/token

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

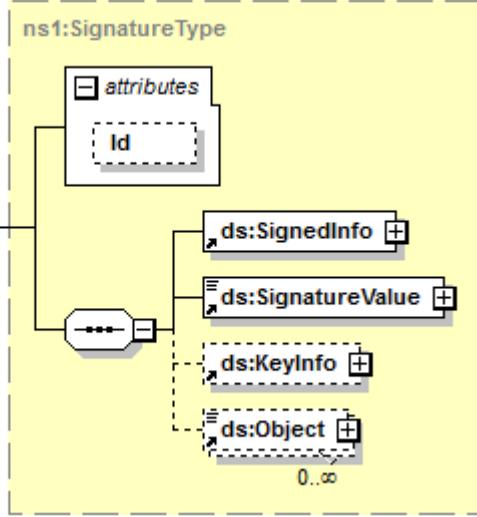
complexType iniciaGravacaoDocumentos

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

element iniciaGravacaoDocumentos/chaveMDFe

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

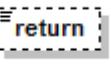
element **iniciaGravacaoDocumentos/Signature**

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 **iniciaGravacaoDocumentosResponse**

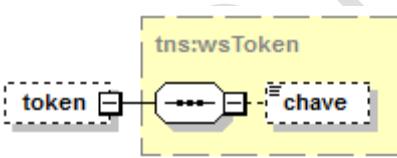
diagram	
namespace	http://webservices.brasil-id.org.br/cdfe/
children	return token
used by	element iniciaGravacaoDocumentosResponse
source	<pre> <xs:complexType name="iniciaGravacaoDocumentosResponse"> <xs:sequence> <xs:element name="return" type="tns:wsResult" minOccurs="0"/> <xs:element name="token"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

element iniciaGravacaoDocumentosResponse/return

diagram	 return	
type	tns:wsResult	
properties	minOcc 0 maxOcc 1 content simple	
facets	Kind	Value
	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_CID_NAO_ENCONTRADA
	enumeration	ERRO_FABRICA_NAO_ENCONTRADA
	enumeration	ERRO_OPERADORA_NAO_ENCONTRADA
	enumeration	ERRO_CID_NAO_PERTENCE_FABRICA
	enumeration	ERRO_ECT_NAO_ENCONTRADO
	enumeration	ERRO_FALHA_COMUNICACAO_ECT
	enumeration	ERRO_FALHA_DE_DADOS_ECT
	enumeration	ERRO_FALHA_VALIDACAO_ECT
	enumeration	ERRO_CID_NAO_PODE_SER_VENDIDA
	enumeration	ERRO_VEICULO_NAO_ENCONTRADO
	enumeration	ERRO_USUARIO_NAO_ENCONTRADO
	enumeration	ERRO_CHAVES_NAO_ENCONTRADAS
	enumeration	ERRO_PERFIL_NAO_ENCONTRADO

	enumeration ERRO_CARGA_NAO_ENCONTRADA enumeration DOCUMENTO_ADICIONADO enumeration DOCUMENTO_VALIDO enumeration ERRO_DOCUMENTO_INVALIDO enumeration ERRO_FALTA_DOCUMENTOS enumeration ERRO_GRAVACAO_CDFE enumeration CANCELADA_GRAVACAO_CDFE enumeration ERRO_OBUID_NAO_ENCONTRADO enumeration ERRO_CDFE_NAO_ENCONTRADO enumeration ERRO_FALHA_GERACAO_OBUID enumeration ERRO_CDFE_NAO_ENCERRADO enumeration ERRO_NAO_HA_CARGA_ASSOCIADA
source	<xs:element name="return" type="tns:wsResult" minOccurs="0"/>

element **iniciaGravacaoDocumentosResponse/token**

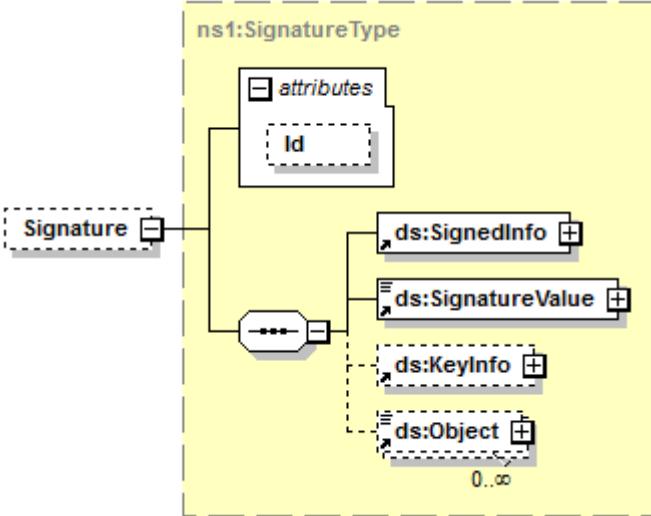
diagram	
type	tns:wsToken
properties	minOcc 0 maxOcc 1 content complex
children	chave
source	<xs:element name="token" type="tns:wsToken" minOccurs="0"/>

complexType **inicializaCDFeTag**

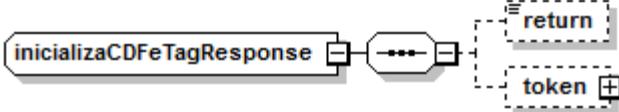
diagram	
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namespace	http://webservices.brasil-id.org.br/cdfe/
children	Signature
used by	element inicializaCDFeTag
source	<pre><xs:complexType name="inicializaCDFeTag"> <xs:sequence> <xs:element name="Signature" type="ns1:SignatureType" minOccurs="0"/>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

element [inicializaCDFeTag](#)/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												
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Name	Type	Use	Default	Fixed	Annotation								
Id	xs:ID	optional											
source	<pre><xs:element name="Signature" type="ns1:SignatureType" minOccurs="0"/></pre>												

complexType inicializaCDFeTagResponse

diagram	
namespace	http://webservices.brasil-id.org.br/cdfe/
children	return token
used by	element inicializaCDFeTagResponse
source	<pre><xs:complexType name="inicializaCDFeTagResponse"> <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 inicializaCDFeTagResponse/return

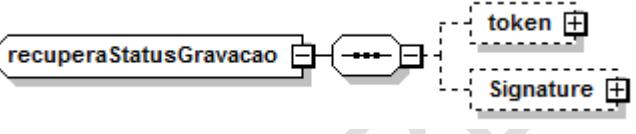
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source	<xs:element name="return" type="tns:wsResult" minOccurs="0"/>

element inicializaCDFeTagResponse/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 recuperarStatusGravacao

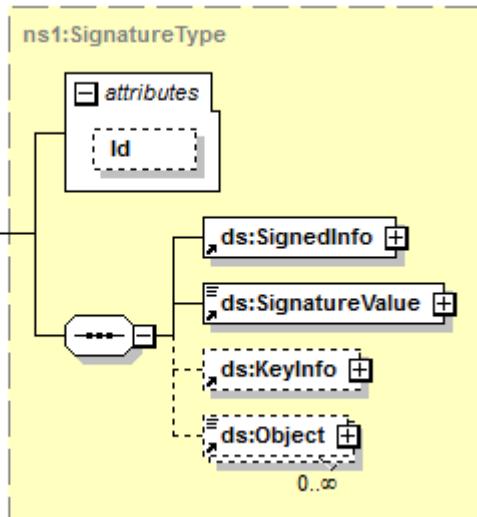
diagram	
namespace	http://webservices.brasil-id.org.br/cdfe/
children	token Signature
used by	element recuperarStatusGravacao
source	<pre> <xs:complexType name="recuperarStatusGravacao"> <xs:sequence> <xs:element name="token" type="tns:wsToken" minOccurs="0"/> <xs:element name="Signature" type="ns1:SignatureType"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

element recuperarStatusGravacao/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>

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

element recuperarStatusGravacao/Signature

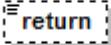
diagram	 <pre> classDiagram class ns1::SignatureType { attributes Id associations *--> ds::SignedInfo *--> ds::SignatureValue *--> ds::KeyInfo *--> ds::Object } </pre>												
type	ds:SignatureType												
properties	minOcc 0 maxOcc 1 content complex												
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Name	Type	Use	Default	Fixed	Annotation								
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source	<xs:element name="Signature" type="ns1:SignatureType" minOccurs="0"/>												

complexType recuperarStatusGravacaoResponse

diagram	 <pre> sequenceDiagram participant Caller participant Service Caller->>Service: recuperarStatusGravacaoResponse... activate Service Service->>Caller: return deactivate Service </pre>
namespace	http://webservices.brasil-id.org.br/cdfe/
children	return
used by	element recuperarStatusGravacaoResponse
source	<xs:complexType name="recuperarStatusGravacaoResponse"> <xs:sequence> <xs:element name="return" type="tns:wsResult" minOccurs="0"/> </xs:sequence> </xs:complexType>

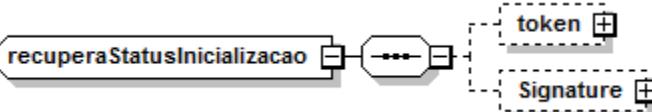
	</xs:sequence> </xs:complexType>
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element recuperarStatusGravacaoResponse/return

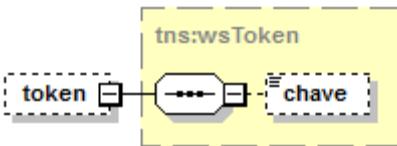
diagram																																																												
type	tns:wsResult																																																											
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source	<pre><xs:element name="return" type="tns:wsResult" minOccurs="0"/></pre>

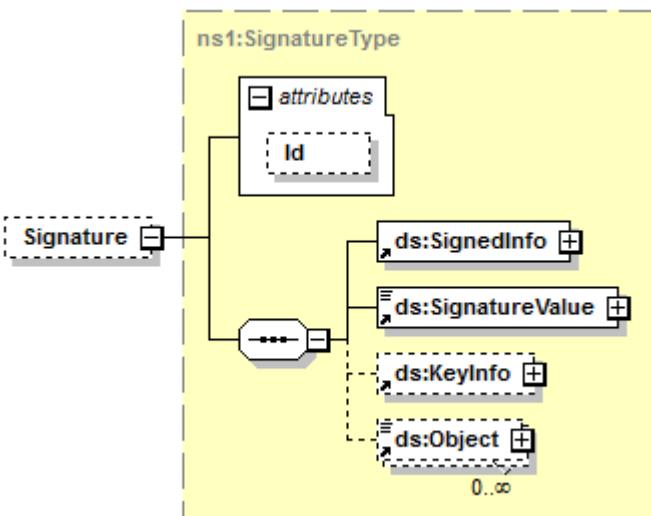
complexType recuperarStatusInicializacao

diagram	
namespace	http://webservices.brasil-id.org.br/cdf/e/
children	token Signature
used by	element recuperarStatusInicializacao
source	<pre><xs:complexType name="recuperarStatusInicializacao"> <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>

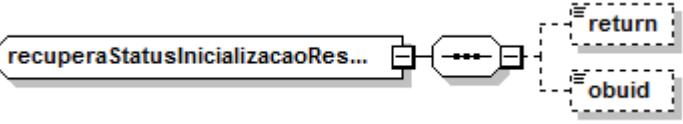
element recuperaStatusInicializacao/token

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>

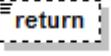
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diagram													
type	ds:SignatureType												
properties	minOcc 0 maxOcc 1 content complex												
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source	<code><xs:element name="Signature" type="ns1:SignatureType" minOccurs="0"/></code>												

complexType recuperarStatusInicializacaoResponse

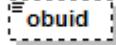
diagram	
namespace	http://webservices.brasil-id.org.br/cdfe/
children	return obuid
used by	element recuperarStatusInicializacaoResponse
source	<pre><xs:complexType name="recuperarStatusInicializacaoResponse"> <xs:sequence> <xs:element name="return" type="tns:wsResult" minOccurs="0"/> <xs:element name="obuid"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

element recuperarStatusInicializacaoResponse/return

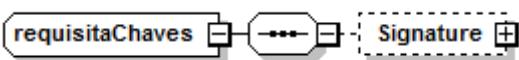
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source	<xs:element name="return" type="tns:wsResult" minOccurs="0"/>

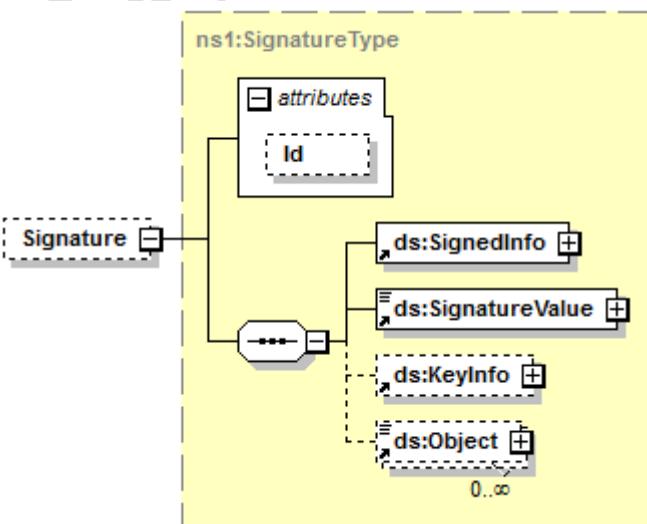
element recuperaStatusInicializacaoResponse/obuid

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

complexType requisitaChaves

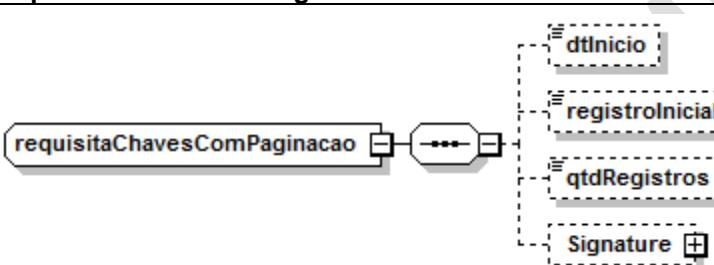
diagram	
namespace	http://webservices.brasil-id.org.br/cdfe/
children	Signature
used by	element requisitaChaves
source	<pre><xs:complexType name="requisitaChaves"> <xs:sequence> <xs:element name="Signature" type="ns1:SignatureType" minOccurs="0"/> </xs:sequence> </xs:complexType></pre>

element requisitaChaves/Signature

diagram	
type	ds:SignatureType

properties	minOcc 0 maxOcc 1 content complex
children	ds:SignedInfo ds:SignatureValue ds:KeyInfo ds:Object
attributes	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 requisitaChavesComPaginacao

diagram	
namespace	http://webservices.brasil-id.org.br/cdfe/
children	dtInicio registroInicial qtdRegistros Signature
used by	element requisitaChavesComPaginacao
source	<pre> <xs:complexType name="requisitaChavesComPaginacao"> <xs:sequence> <xs:element name="dtInicio" type="xs:dateTime" minOccurs="0"/> <xs:element name="registroInicial" type="xs:int" minOccurs="0"/> <xs:element name="qtdRegistros" type="xs:int" minOccurs="0"/> <xs:element name="Signature" type="ns1:SignatureType" minOccurs="0"/> </xs:sequence> </xs:complexType> </pre>

element requisitaChavesComPaginacao/dtInicio

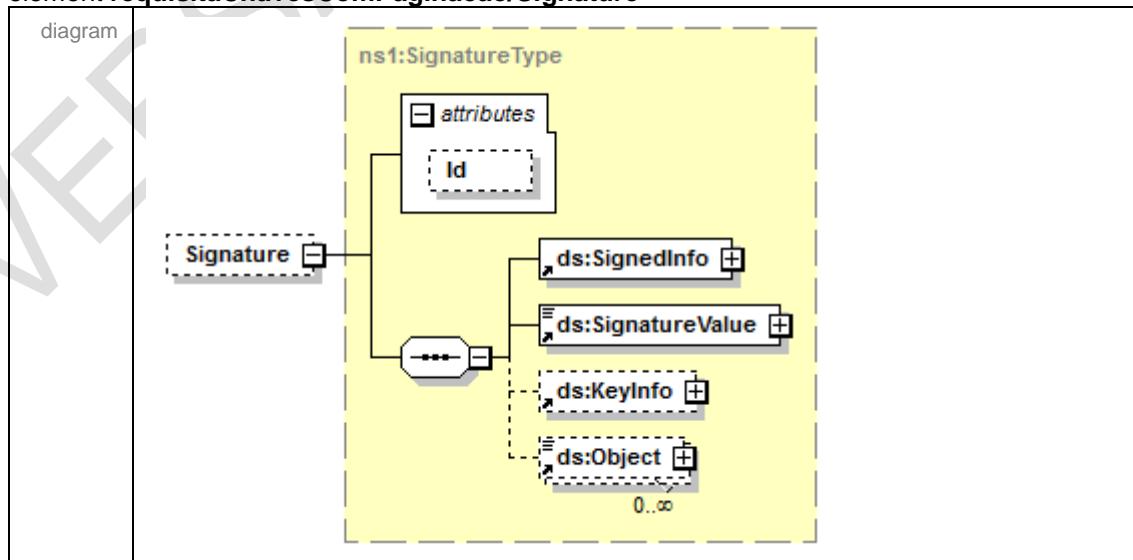
diagram	
type	xs:dateTime
properties	minOcc 0 maxOcc 1 content simple
source	<code><xs:element name="dtInicio" type="xs:dateTime" minOccurs="0"/></code>

element requisitaChavesComPaginacao/registroInicial

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

element requisitaChavesComPaginacao/qtdRegistros

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

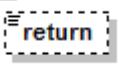
element requisitaChavesComPaginacao/Signature

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 requisitaChavesComPaginacaoResponse

diagram	
namespace	http://webservices.brasil-id.org.br/cdf-e/
children	return chaves
used by	element requisitaChavesComPaginacaoResponse
source	<pre><xs:complexType name="requisitaChavesComPaginacaoResponse"> <xs:sequence> <xs:element name="return" type="tns:wsResult" minOccurs="0"/> <xs:element name="chaves" type="tns:wsKey" nillable="true" minOccurs="0" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType></pre>

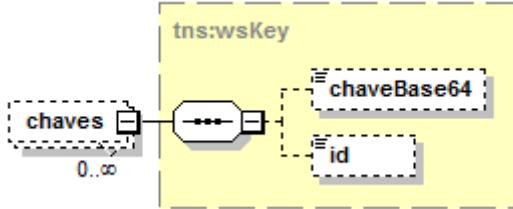
element requisitaChavesComPaginacaoResponse/return

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> </tbody> </table>	Kind	Value	Annotation	enumeration	SUCESSO	
Kind	Value	Annotation					
enumeration	SUCESSO						

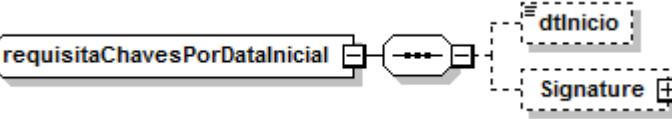
	enumeration CHAMADA_ASSINCRONA_NAO_FINALIZADA
	enumeration ERRO_DESCONHECIDO
	enumeration ERRO_PARAMETROS_INVALIDOS
	enumeration ERRO_NAO_APROVADO
	enumeration ERRO_ASSINATURA_INVALIDA
	enumeration ERRO_PERMISSAO
	enumeration ERRO_TOKEN_INVALIDO
	enumeration ERRO_CID_NAO_ENCONTRADA
	enumeration ERRO_FABRICA_NAO_ENCONTRADA
	enumeration ERRO_OPERADORA_NAO_ENCONTRADA
	enumeration ERRO_CID_NAO_PERTENCE_FABRICA
	enumeration ERRO_ECT_NAO_ENCONTRADO
	enumeration ERRO_FALHA_COMUNICACAO_ECT
	enumeration ERRO_FALHA_DE_DADOS_ECT
	enumeration ERRO_FALHA_VALIDACAO_ECT
	enumeration ERRO_CID_NAO_PODE_SER_VENDIDA
	enumeration ERRO_VEICULO_NAO_ENCONTRADO
	enumeration ERRO_USUARIO_NAO_ENCONTRADO
	enumeration ERRO_CHAVES_NAO_ENCONTRADAS
	enumeration ERRO_PERFIL_NAO_ENCONTRADO
	enumeration ERRO_CARGA_NAO_ENCONTRADA
	enumeration DOCUMENTO_ADICIONADO
	enumeration DOCUMENTO_VALIDO
	enumeration ERRO_DOCUMENTO_INVALIDO
	enumeration ERRO_FALTA_DOCUMENTOS
	enumeration ERRO_GRAVACAO_CDFE
	enumeration CANCELADA_GRAVACAO_CDFE
	enumeration ERRO_OBUID_NAO_ENCONTRADO

	enumeration ERRO_CDFE_NAO_ENCONTRADO enumeration ERRO_FALHA_GERACAO_OBUID enumeration ERRO_CDFE_NAO_ENCERRADO enumeration ERRO_NAO_HA_CARGA_ASSOCIADA
source	<code><xs:element name="return" type="tns:wsResult" minOccurs="0"/></code>

element requisitaChavesComPaginacaoResponse/chaves

diagram	
type	tns:wsKey
properties	minOcc 0 maxOcc unbounded content complex nillable true
children	chaveBase64 id
source	<code><xs:element name="chaves" type="tns:wsKey" nillable="true" minOccurs="0" maxOccurs="unbounded"/></code>

complexType requisitaChavesPorDataInicial

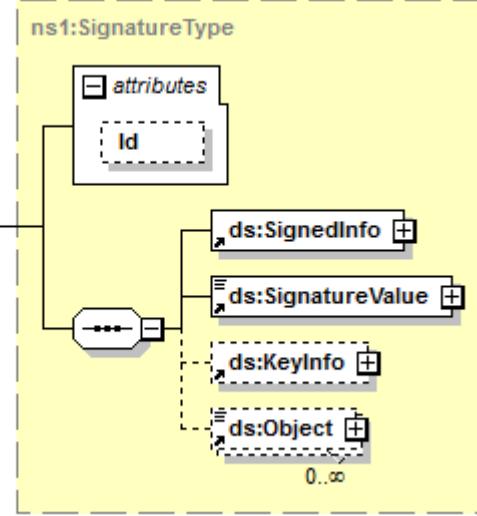
diagram	
namespace	http://webservices.brasil-id.org.br/cdfe/
children	dtInicio Signature
used by	element requisitaChavesPorDataInicial
source	<pre><xs:complexType name="requisitaChavesPorDataInicial"> <xs:sequence> <xs:element name="dtInicio" type="xs:dateTime" minOccurs="0"/> <xs:element name="Signature"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

	<code></xs:complexType></code>
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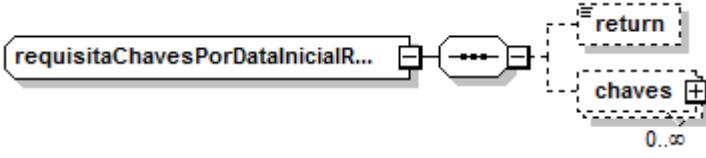
element requisitaChavesPorDataInicial/dtInicio

diagram	
type	<code>xs:dateTime</code>
properties	<p>minOcc 0</p> <p>maxOcc 1</p> <p>content simple</p>
source	<code><xs:element name="dtInicio" type="xs:dateTime" minOccurs="0"/></code>

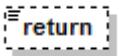
element requisitaChavesPorDataInicial/Signature

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

complexType **requisitaChavesPorDataInicialResponse**

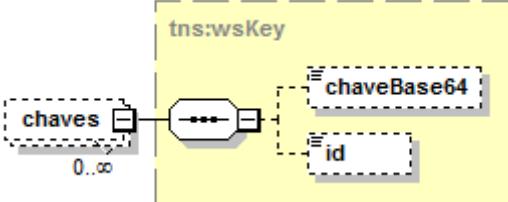
diagram	
namespace	http://webservices.brasil-id.org.br/cdfe/
children	return chaves
used by	element requisitaChavesPorDataInicialResponse
source	<pre><xs:complexType name="requisitaChavesPorDataInicialResponse"> <xs:sequence> <xs:element name="return" type="tns:wsResult" minOccurs="0"/> <xs:element name="chaves"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

element **requisitaChavesPorDataInicialResponse/return**

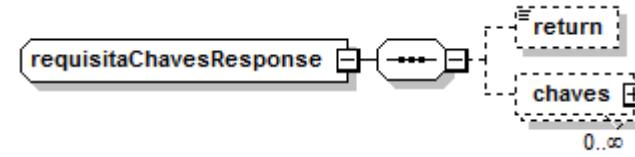
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type	tns:wsResult																											
properties	<table> <tr> <td>minOcc</td> <td>0</td> </tr> <tr> <td>maxOcc</td> <td>1</td> </tr> <tr> <td>content</td> <td>simple</td> </tr> </table>	minOcc	0	maxOcc	1	content	simple																					
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source	<xs:element name="return" type="tns:wsResult" minOccurs="0"/>

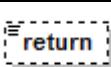
element requisitaChavesPorDataInicialResponse/chaves

diagram	
type	tns:wsKey
properties	<p>minOcc 0</p> <p>maxOcc unbounded</p> <p>content complex</p> <p>nillable true</p>
children	chaveBase64 id
source	<pre><xs:element name="chaves" type="tns:wsKey" nillable="true" minOccurs="0" maxOccurs="unbounded"/></pre>

complexType requisitaChavesResponse

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

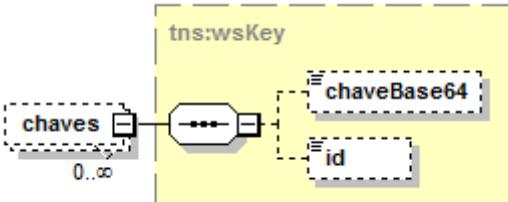
element requisitaChavesResponse/return

diagram	
type	tns:wsResult

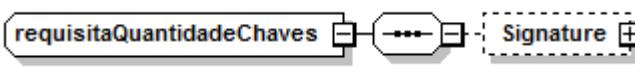
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source	<xs:element name="return" type="tns:wsResult" minOccurs="0"/>

element requisitaChavesResponse/chaves

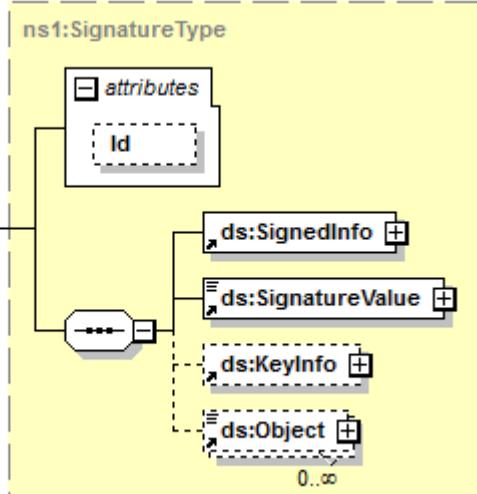
diagram	
type	tns:wsKey
properties	minOcc 0 maxOcc unbounded content complex nillable true
children	chaveBase64 id
source	<xs:element name="chaves" type="tns:wsKey" nillable="true" minOccurs="0" maxOccurs="unbounded"/>

complexType requisitaQuantidadeChaves

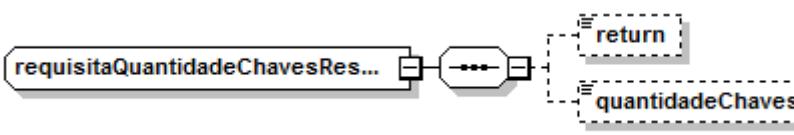
diagram	
namespace	http://webservices.brasil-id.org.br/cdfe/

children	Signature
used by	element requisitaQuantidadeChaves
source	<pre><xs:complexType name="requisitaQuantidadeChaves"> <xs:sequence> <xs:element name="Signature" type="ns1:SignatureType" minOccurs="0"/> </xs:sequence> </xs:complexType></pre>

element requisitaQuantidadeChaves/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	<pre><xs:element name="Signature" type="ns1:SignatureType" minOccurs="0"/></pre>												

complexType requisitaQuantidadeChavesResponse

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

element [requisitaQuantidadeChavesResponse/return](#)

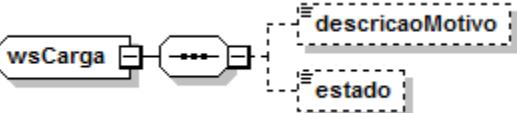
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enumeration	CHAMADA_ASSINCRONA_NAO_FINALIZADA																																														
enumeration	ERRO_DESCONHECIDO																																														
enumeration	ERRO_PARAMETROS_INVALIDOS																																														
enumeration	ERRO_NAO_APROVADO																																														
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enumeration	ERRO_ECT_NAO_ENCONTRADO																																														
enumeration	ERRO_FALHA_COMUNICACAO_ECT																																														

	enumeration ERRO_FALHA_DE_DADOS_ECT enumeration ERRO_FALHA_VALIDACAO_ECT enumeration ERRO_CID_NAO_PODE_SER_VENDIDA enumeration ERRO_VEICULO_NAO_ENCONTRADO enumeration ERRO_USUARIO_NAO_ENCONTRADO enumeration ERRO_CHAVES_NAO_ENCONTRADAS enumeration ERRO_PERFIL_NAO_ENCONTRADO enumeration ERRO_CARGA_NAO_ENCONTRADA enumeration DOCUMENTO_ADICIONADO enumeration DOCUMENTO_VALIDO enumeration ERRO_DOCUMENTO_INVALIDO enumeration ERRO_FALTA_DOCUMENTOS enumeration ERRO_GRAVACAO_CDFE enumeration CANCELADA_GRAVACAO_CDFE enumeration ERRO_OBUID_NAO_ENCONTRADO enumeration ERRO_CDFE_NAO_ENCONTRADO enumeration ERRO_FALHA_GERACAO_OBUID enumeration ERRO_CDFE_NAO_ENCERRADO enumeration ERRO_NAO_HA_CARGA_ASSOCIADA
source	<xs:element name="return" type="tns:wsResult" minOccurs="0"/>

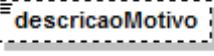
element requisitaQuantidadeChavesResponse/quantidadeChaves

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

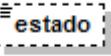
complexType wsCarga

diagram	
namespace	http://webservices.brasil-id.org.br/cdfe/
children	descricaoMotivo estado
used by	element encerraTransporte/carga
source	<pre><xs:complexType name="wsCarga"> <xs:sequence> <xs:element name="descricaoMotivo" type="xs:string" minOccurs="0"/> <xs:element name="estado" type="tns:estadoCarga" minOccurs="0"/> </xs:sequence> </xs:complexType></pre>

element wsCarga/descricaoMotivo

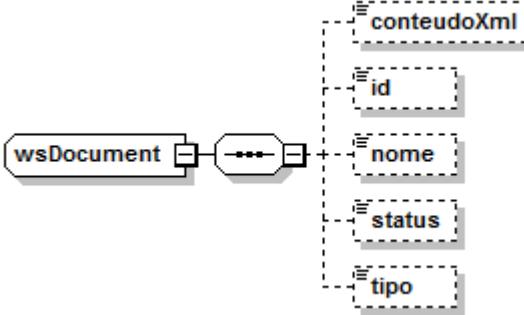
diagram	
type	xs:string
properties	minOcc 0 maxOcc 1 content simple
source	<pre><xs:element name="descricaoMotivo" type="xs:string" minOccurs="0"/></pre>

element wsCarga/estado

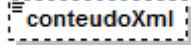
diagram							
type	tns:estadoCarga						
properties	minOcc 0 maxOcc 1 content simple						
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>enumeration</td> <td>CRIADA</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	enumeration	CRIADA	
Kind	Value	Annotation					
enumeration	CRIADA						

	enumeration EM_TRANSPORTE enumeration ENTREGUE enumeration CANCELADA enumeration RETORNADA enumeration REFUGADA enumeration EXTRAVIADA enumeration OUTROS
source	<code><xs:element name="estado" type="tns:estadoCarga" minOccurs="0"/></code>

complexType wsDocument

diagram	 <pre> classDiagram wsDocument { conteudoXml : string id : string nome : string status : tns:wsResult tipo : string } </pre>
namespace	http://webservices.brasil-id.org.br/cdfe/
children	conteudoXml id nome status tipo
used by	elements adicionaDocumento/documento buscaDocumentosMDFeResponse/listaDocumentos finalizaGravacaoDocumentosResponse/statusDocumentos
source	<pre> <xs:complexType name="wsDocument"> <xs:sequence> <xs:element name="conteudoXml" type="xs:string" minOccurs="0"/> <xs:element name="id" type="xs:string" minOccurs="0"/> <xs:element name="nome" type="xs:string" minOccurs="0"/> <xs:element name="status" type="tns:wsResult" minOccurs="0"/> <xs:element name="tipo" type="tns:estadoDocument" minOccurs="0"/> </xs:sequence> </xs:complexType> </pre>

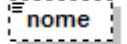
element wsDocument/conteudoXml

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

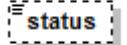
element wsDocument/id

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

element wsDocument/nome

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

element wsDocument/status

diagram	 status
type	tns:wsResult

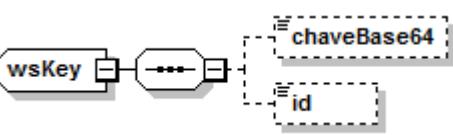
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source	<xs:element name="status" type="tns:wsResult" minOccurs="0"/>

element wsDocument/tipo

diagram													
type	tns:estadoDocument												
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>MDFe</td><td></td></tr> <tr> <td>enumeration</td><td>CTe</td><td></td></tr> <tr> <td>enumeration</td><td>NFe</td><td></td></tr> </tbody> </table>	Kind	Value	Annotation	enumeration	MDFe		enumeration	CTe		enumeration	NFe	
Kind	Value	Annotation											
enumeration	MDFe												
enumeration	CTe												
enumeration	NFe												
source	<xs:element name="tipo" type="tns:estadoDocument" minOccurs="0"/>												

complexType wsKey

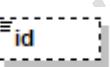
diagram	
namespace	http://webservices.brasil-id.org.br/cdfe/

children	chaveBase64 id
used by	elements requisitaChavesResponse/chaves requisitaChavesComPaqinacaoResponse/chaves requisitaChavesPorDataInicialResponse/chaves
source	<pre><xs:complexType name="wsKey"> <xs:sequence> <xs:element name="chaveBase64" type="xs:string" minOccurs="0"/> <xs:element name="id" type="xs:long" minOccurs="0"/> </xs:sequence> </xs:complexType></pre>

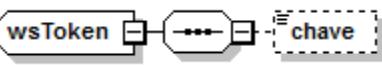
element wsKey/chaveBase64

diagram	
type	xs:string
properties	minOcc 0 maxOcc 1 content simple
source	<code><xs:element name="chaveBase64" type="xs:string" minOccurs="0"/></code>

element wsKey/id

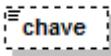
diagram	
type	xs:long
properties	minOcc 0 maxOcc 1 content simple
source	<code><xs:element name="id" type="xs:long" minOccurs="0"/></code>

complexType wsToken

diagram	
namespace	http://webservices.brasil-id.org.br/cdfe/
children	chave

used by	elements gravaCDFeSmartCard/token adicionaDocumento/token inicializaCDFeTagResponse/token finalizaGravacaoDocumentos/token gravaCDFeTagResponse/token recuperaStatusGravacao/token iniciaGravacaoDocumentosResponse/token recuperaStatusInicializacao/token
source	<pre><xs:complexType name="wsToken"> <xs:sequence> <xs:element name="chave" type="xs:string" minOccurs="0"/> </xs:sequence> </xs:complexType></pre>

element wsToken/chave

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

simpleType estadoCarga

namespace	http://webservices.brasil-id.org.br/cdfe/																													
type	restriction of xs:string																													
properties	base xs:string																													
used by	element wsCarga/estado																													
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>enumeration</td> <td>CRIADA</td> <td></td> </tr> <tr> <td>enumeration</td> <td>EM_TRANSPORTE</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ENTREGUE</td> <td></td> </tr> <tr> <td>enumeration</td> <td>CANCELADA</td> <td></td> </tr> <tr> <td>enumeration</td> <td>RETORNADA</td> <td></td> </tr> <tr> <td>enumeration</td> <td>REFUGADA</td> <td></td> </tr> <tr> <td>enumeration</td> <td>EXTRAVIADA</td> <td></td> </tr> <tr> <td>enumeration</td> <td>OUTROS</td> <td></td> </tr> </tbody> </table>			Kind	Value	Annotation	enumeration	CRIADA		enumeration	EM_TRANSPORTE		enumeration	ENTREGUE		enumeration	CANCELADA		enumeration	RETORNADA		enumeration	REFUGADA		enumeration	EXTRAVIADA		enumeration	OUTROS	
Kind	Value	Annotation																												
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enumeration	EM_TRANSPORTE																													
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enumeration	RETORNADA																													
enumeration	REFUGADA																													
enumeration	EXTRAVIADA																													
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source	<pre><xs:simpleType name="estadoCarga"> <xs:restriction base="xs:string"> <xs:enumeration value="CRIADA"/> <xs:enumeration value="EM_TRANSPORTE"/> <xs:enumeration value="ENTREGUE"/> <xs:enumeration value="CANCELADA"/> <xs:enumeration value="RETORNADA"/> <xs:enumeration value="REFUGADA"/> <xs:enumeration value="EXTRAVIADA"/> <xs:enumeration value="OUTROS"/> </xs:restriction> </xs:simpleType></pre>
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simpleType estadoDocument

namespace	http://webservices.brasil-id.org.br/cdfe/														
type	restriction of xs:string														
properties	base xs:string														
used by	element wsDocument/tipo														
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>enumeration</td> <td>MDFe</td> <td></td> </tr> <tr> <td>enumeration</td> <td>CTe</td> <td></td> </tr> <tr> <td>enumeration</td> <td>NFe</td> <td></td> </tr> </tbody> </table>			Kind	Value	Annotation	enumeration	MDFe		enumeration	CTe		enumeration	NFe	
Kind	Value	Annotation													
enumeration	MDFe														
enumeration	CTe														
enumeration	NFe														
source	<pre><xs:simpleType name="estadoDocument"> <xs:restriction base="xs:string"> <xs:enumeration value="MDFe"/> <xs:enumeration value="CTe"/> <xs:enumeration value="NFe"/> </xs:restriction> </xs:simpleType></pre>														

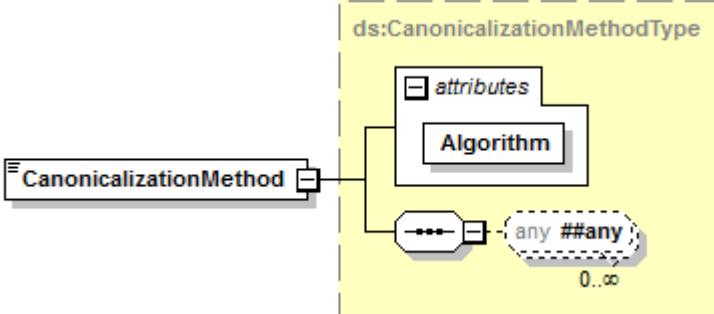
simpleType wsResult

namespace	http://webservices.brasil-id.org.br/cdfe/		
type	restriction of xs:string		
properties	base xs:string		
used by	elements requisitaChavesResponse/return requisitaQuantidadeChavesResponse/return buscaDocumentosMDFeResponse/return encerraTransporteResponse/return requisitaChavesComPaginacaoResponse/return gravaCDFeSmartCardResponse/return adicionaDocumentoResponse/return inicializaCDFeTagResponse/return finalizaGravacaoDocumentosResponse/return requisitaChavesPorDataInicialResponse/return		

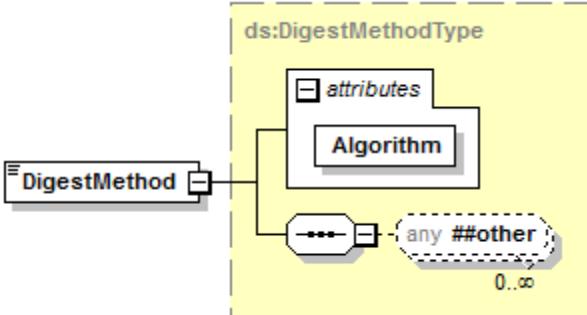
	associaCDFeTagResponse/return gravaCDFeTagResponse/return recuperaStatusGravacaoResponse/return iniciaGravacaoDocumentosResponse/return recuperaStatusInicializacaoResponse/return wsDocument/status	
facets	Kind	Value
	enumeration	SUCESSO
	enumeration	CHAMADA_ASSINCRONA_NAO_FINALIZADA
	enumeration	ERRO_DESCONHECIDO
	enumeration	ERRO_PARAMETROS_INVALIDOS
	enumeration	ERRO_NAO_APROVADO
	enumeration	ERRO_ASSINATURA_INVALIDA
	enumeration	ERRO_PERMISSAO
	enumeration	ERRO_TOKEN_INVALIDO
	enumeration	ERRO_CID_NAO_ENCONTRADA
	enumeration	ERRO_FABRICA_NAO_ENCONTRADA
	enumeration	ERRO_OPERADORA_NAO_ENCONTRADA
	enumeration	ERRO_CID_NAO_PERTENCE_FABRICA
	enumeration	ERRO_ECT_NAO_ENCONTRADO
	enumeration	ERRO_FALHA_COMUNICACAO_ECT
	enumeration	ERRO_FALHA_DE_DADOS_ECT
	enumeration	ERRO_FALHA_VALIDACAO_ECT
	enumeration	ERRO_CID_NAO_PODE_SER_VENDIDA
	enumeration	ERRO_VEICULO_NAO_ENCONTRADO
	enumeration	ERRO_USUARIO_NAO_ENCONTRADO
	enumeration	ERRO_CHAVES_NAO_ENCONTRADAS
	enumeration	ERRO_PERFIL_NAO_ENCONTRADO
	enumeration	ERRO_CARGA_NAO_ENCONTRADA
	enumeration	DOCUMENTO_ADICIONADO
	enumeration	DOCUMENTO_VALIDO
	enumeration	ERRO_DOCUMENTO_INVALIDO

	enumeration ERRO_FALTA_DOCUMENTOS enumeration ERRO_GRAVACAO_CDFE enumeration CANCELADA_GRAVACAO_CDFE enumeration ERRO_OBUID_NAO_ENCONTRADO enumeration ERRO_CDFE_NAO_ENCONTRADO enumeration ERRO_FALHA_GERACAO_OBUID enumeration ERRO_CDFE_NAO_ENCERRADO enumeration ERRO_NAO_HA_CARGA_ASSOCIADA
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_CID_NAO_ENCONTRADA"/> <xs:enumeration value="ERRO_FABRICA_NAO_ENCONTRADA"/> <xs:enumeration value="ERRO_OPERADORA_NAO_ENCONTRADA"/> <xs:enumeration value="ERRO_CID_NAO_PERTENCE_FABRICA"/> <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_CID_NAO_PODE_SER_VENDIDA"/> <xs:enumeration value="ERRO_VEICULO_NAO_ENCONTRADO"/> <xs:enumeration value="ERRO_USUARIO_NAO_ENCONTRADO"/> <xs:enumeration value="ERRO_CHAVES_NAO_ENCONTRADAS"/> <xs:enumeration value="ERRO_PERFIL_NAO_ENCONTRADO"/> <xs:enumeration value="ERRO_CARGA_NAO_ENCONTRADA"/> <xs:enumeration value="DOCUMENTO_ADICIONADO"/> <xs:enumeration value="DOCUMENTO_VALIDO"/> <xs:enumeration value="ERRO_DOCUMENTO_INVALIDO"/> <xs:enumeration value="ERRO_FALTA_DOCUMENTOS"/> <xs:enumeration value="ERRO_GRAVACAO_CDFE"/> <xs:enumeration value="CANCELADA_GRAVACAO_CDFE"/> <xs:enumeration value="ERRO_OBUID_NAO_ENCONTRADO"/> <xs:enumeration value="ERRO_CDFE_NAO_ENCONTRADO"/> <xs:enumeration value="ERRO_FALHA_GERACAO_OBUID"/> <xs:enumeration value="ERRO_CDFE_NAO_ENCERRADO"/> <xs:enumeration value="ERRO_NAO_HA_CARGA_ASSOCIADA"/> </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

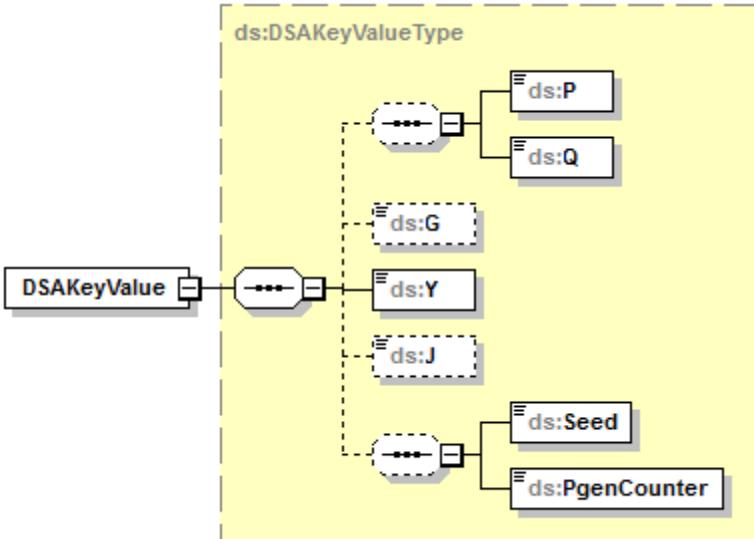
diagram													
namespace	http://www.w3.org/2000/09/xmldsig#												
type	ds:DigestMethodType												
properties	content complex mixed true												
used by	complexType ReferenceType												
attributes	<table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <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	<xs:element name="DigestMethod" type="ds:DigestMethodType"/>
--------	--

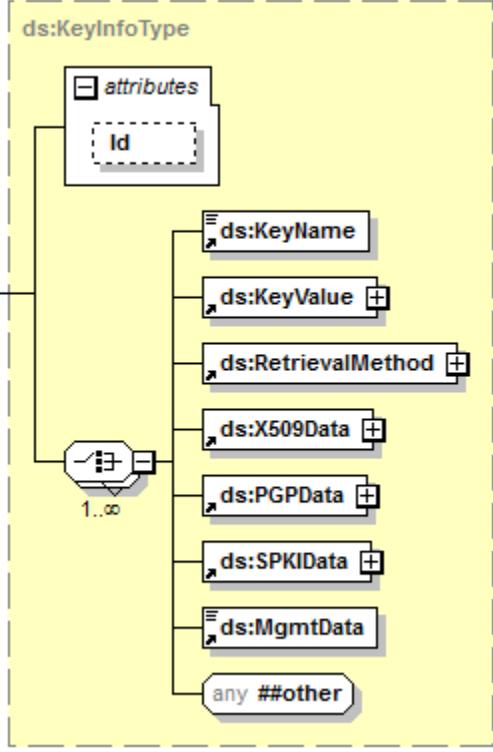
element DigestValue

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

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 KeyValueType
source	<xs:element name="DSAKeyValue" type="ds:DSAKeyValueType"/>

element KeyInfo

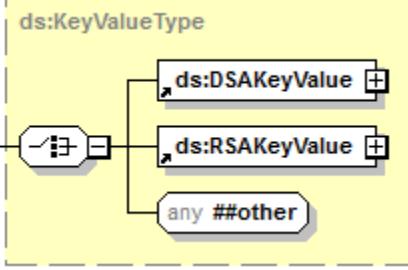
diagram	 <pre> classDiagram class KeyInfo { id } class ds::KeyInfoType { attributes 1..∞ --> KeyInfo : id ds::KeyName ds::KeyValue ds::RetrievalMethod ds::X509Data ds::PGPData ds::SPKIData ds::MgmtData any ##other } </pre>												
namespace	http://www.w3.org/2000/09/xmldsig#												
type	ds:KeyInfoType												
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

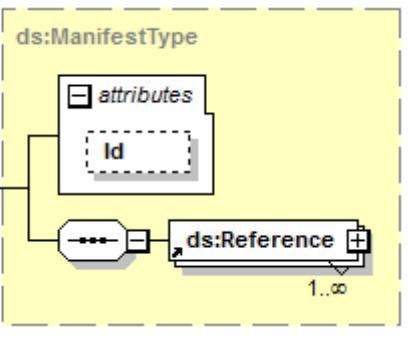
diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
type	xs:string
properties	content simple
used by	complexType KeyInfoType

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

element KeyValue

diagram	 <pre> classDiagram class KeyValue class dsKeyValue { <<ds:KeyValueType>> <<ds:DSAKeyValue>> <<ds:RSAKeyValue>> <<any ##other>> } KeyValue --> dsKeyValue dsKeyValue --> dsDSAKeyValue dsKeyValue --> dsRSAKeyValue dsKeyValue --> other </pre>
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

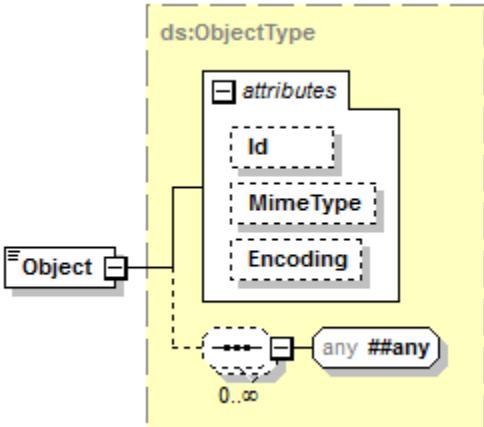
diagram	 <pre> classDiagram class Manifest class dsManifest { <<ds:ManifestType>> attributes <<Id>> Reference } Manifest --> dsManifest dsManifest --> attributes dsManifest --> Id dsManifest --> Reference Reference < -- multiplicity: 1..∞ </pre>												
namespace	http://www.w3.org/2000/09/xmldsig#												
type	ds:ManifestType												
properties	content complex												
children	ds: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>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="Manifest" type="ds:ManifestType"/>
--------	--

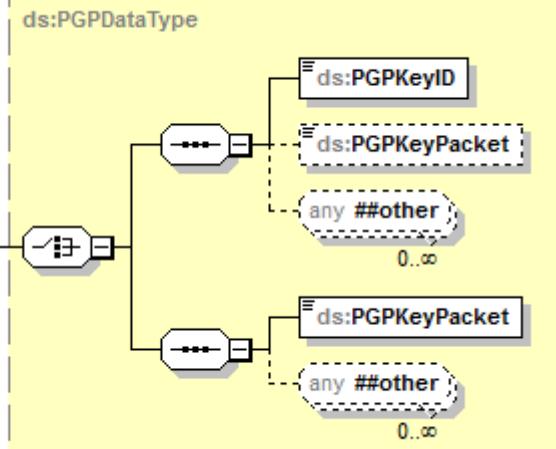
element MgmtData

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"/>

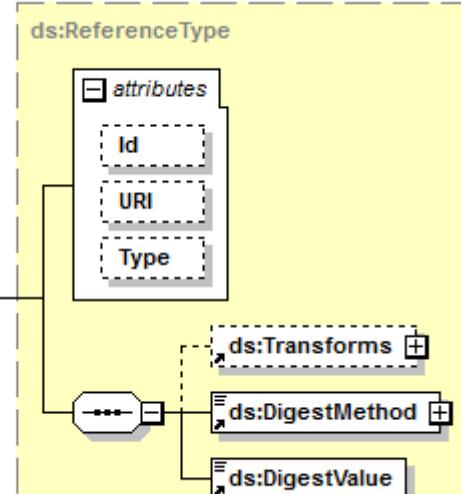
element Object

diagram																									
namespace	http://www.w3.org/2000/09/xmldsig#																								
type	ds:ObjectType																								
properties	content complex mixed true																								
used by	complexType SignatureType																								
attributes	<table> <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	<xs:element name="Object" type="ds:ObjectType"/>																								

element PGPData

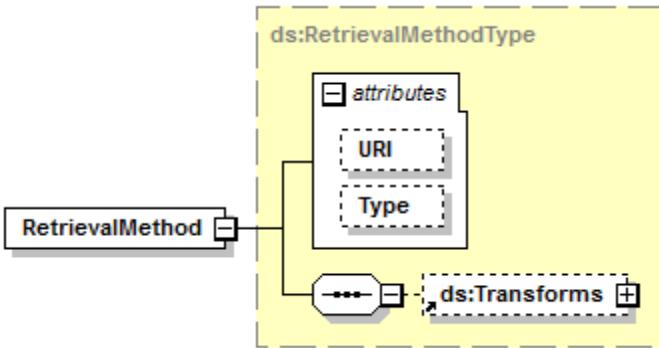
diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
type	ds:PGPDataType
properties	content complex
children	ds:PGPKeyID ds:PGPKeyPacket ds:PGPKeyPacket
used by	complexType KeyInfoType
source	<code><xs:element name="PGPData" type="ds:PGPDataType"/></code>

element Reference

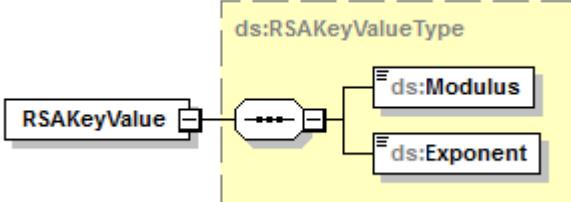
diagram	
namespace	http://www.w3.org/2000/09/xmldsig#

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"/>					

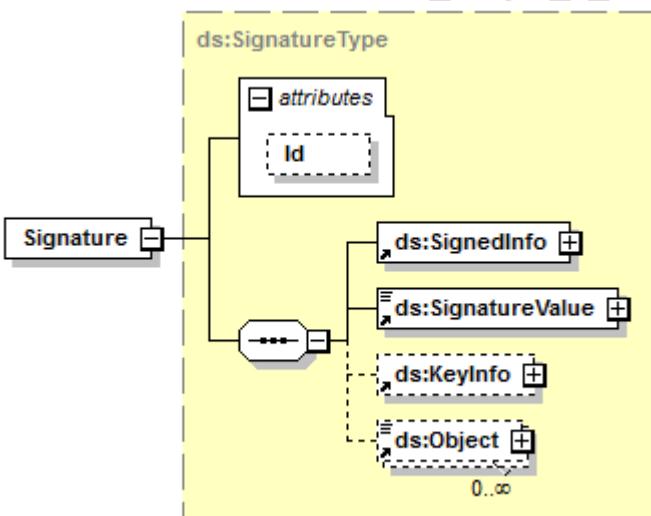
element RetrievalMethod

diagram	 <pre> classDiagram class RetrievalMethod class dsRetrievalMethodType { attribute URI attribute Type association dsTransforms } RetrievalMethod "1" -- "1" dsRetrievalMethodType dsRetrievalMethodType "*" -- "*" dsTransforms </pre>																		
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	<code><xs:element name="RSAKeyValue" type="ds:RSAKeyValueType"/></code>

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	<code><xs:element name="Signature" type="ds:SignatureType"/></code>												

element SignatureMethod

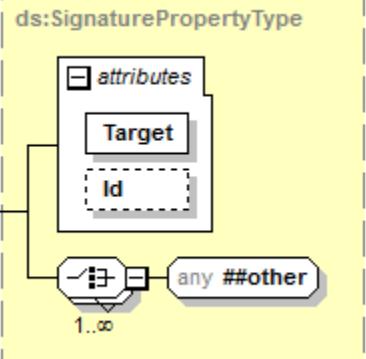
diagram													
namespace	http://www.w3.org/2000/09/xmldsig#												
type	ds:SignatureMethodType												
properties	content complex mixed true												
children	ds:HMACOutputLength												
used by	complexType SignedInfoType												
attributes	<table> <thead> <tr> <th>Name</th> <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**

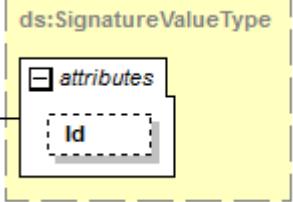
diagram	<pre> classDiagram class SignatureProperties { <<SignatureProperties>> } class Id { <<Id>> } class ds.SignatureProperty { <<ds:SignatureProperty>> } SignatureProperties "1" --> "1..oo" Id Id "1..oo" --> "1..oo" ds.SignatureProperty </pre>						
namespace	http://www.w3.org/2000/09/xmldsig#						
type	<u>ds:SignaturePropertiesType</u>						
properties	content complex						
children	<u>ds:SignatureProperty</u>						
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> </table>	Name	Type	Use	Default	Fixed	Annotation
Name	Type	Use	Default	Fixed	Annotation		

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

element SignatureProperty

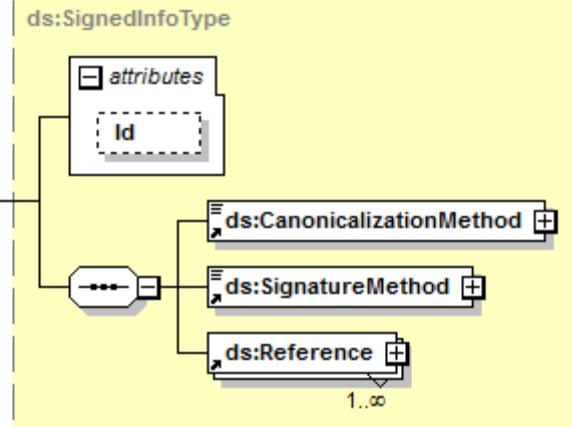
diagram																			
namespace	http://www.w3.org/2000/09/xmldsig#																		
type	ds:SignaturePropertyType																		
properties	content complex mixed true																		
used by	complexType SignaturePropertiesType																		
attributes	<table> <thead> <tr> <th>Name</th> <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

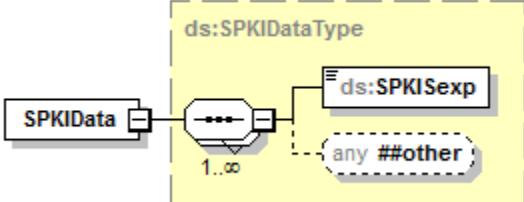
diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
type	ds:SignatureValueType

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>					

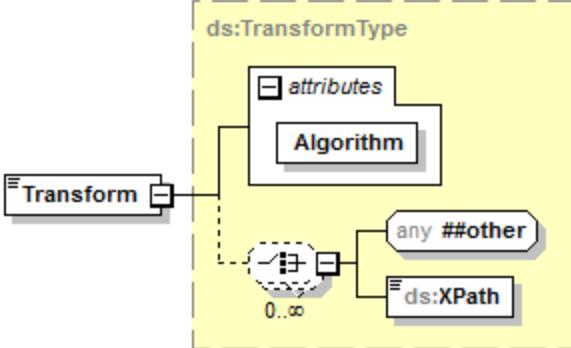
element SignedInfo

diagram	 <pre> classDiagram class SignedInfo { <<ds:SignedInfoType>> } class ds:SignedInfoType { attributes Id CanonicalizationMethod SignatureMethod Reference * } SignedInfo --> ds:SignedInfoType ds:SignedInfoType < -- SignedInfo </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>

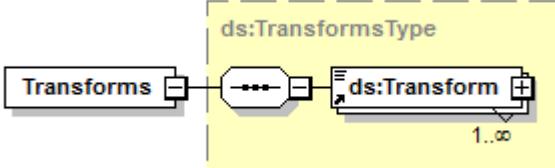
element SPKIData

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>

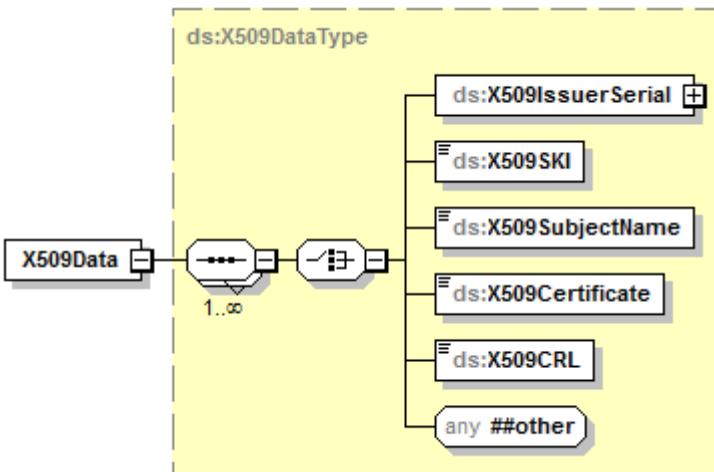
element Transform

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>												

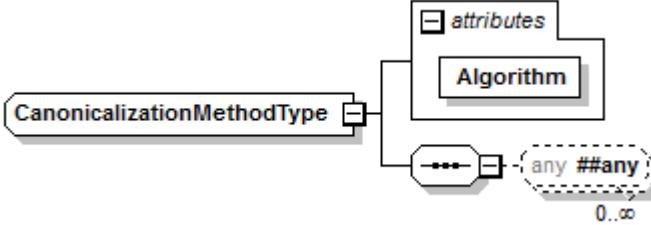
element Transforms

diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
type	ds:TransformsType
properties	content complex
children	ds:Transform
used by	complexTypes ReferenceType RetrievalMethodType
source	<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 any ##other
used by	complexType KeyInfoType
source	<code><xs:element name="X509Data" type="ds:X509DataType"/></code>

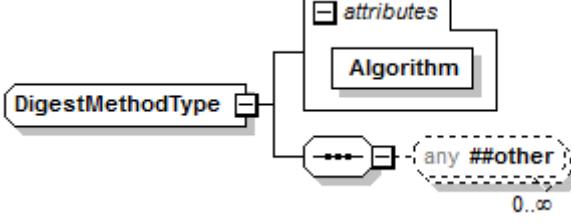
complexType CanonicalizationMethodType

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"/> </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

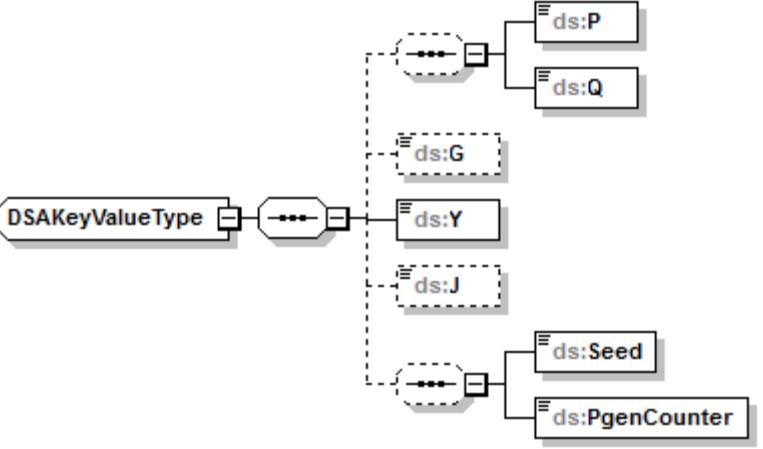
diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
properties	mixed true
used by	element DigestMethod

attributes	Name	Type	Use	Default	Fixed	Annotation
	Algorithm	<code>xs:anyURI</code>	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	<code>xs:anyURI</code>
properties	use required
source	<pre><xs:attribute name="Algorithm" type="anyURI" use="required"/></pre>

complexType **DSAKeyValueType**

diagram	 <pre> classDiagram class DSAKeyValueType class ds:P class ds:Q class ds:G class ds:Y class ds:J class ds:Seed class ds:PgenCounter DSAKeyValueType *--> ds:P DSAKeyValueType *--> ds:Q DSAKeyValueType *--> ds:G DSAKeyValueType *--> ds:Y DSAKeyValueType *--> ds:J DSAKeyValueType *--> ds:Seed DSAKeyValueType *--> ds:PgenCounter </pre>
namespace	<code>http://www.w3.org/2000/09/xmldsig#</code>
children	ds:P ds:Q ds:G ds:Y ds:J ds:Seed ds:PgenCounter
used by	element DSAKeyValue
source	<pre> <xs:complexType name="DSAKeyValueType"> <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> </xs:complexType> </pre>

	<pre><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	<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	<pre><xs:element name="Q" type="ds: CryptoBinary"/></pre>

element DSAKeyValueType/G

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

element DSAKeyValueType/Y

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

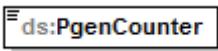
element DSAKeyValueType/J

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

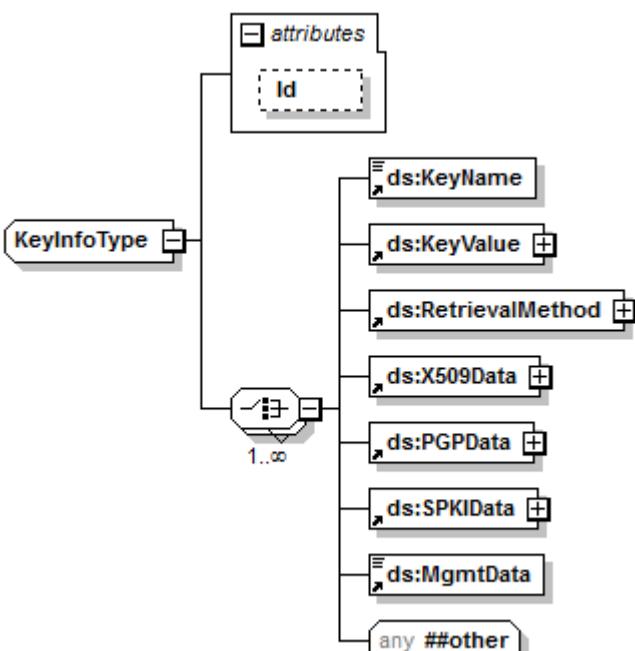
diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
type	ds: CryptoBinary
properties	content simple
source	<code><xs:element name="Seed" type="ds: CryptoBinary"/></code>

element DSAKeyValueType/PgenCounter

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

type	ds: CryptoBinary
properties	content simple
source	<xs:element name="PgenCounter" type="ds: CryptoBinary"/>

complexType KeyInfoType

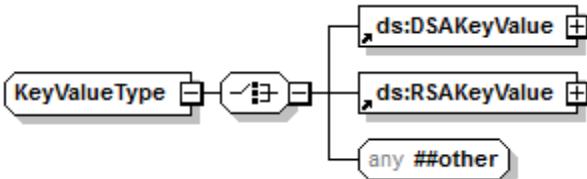
diagram	 <pre> classDiagram class KeyInfoType { attribute Id attribute ds:KeyName attribute ds:KeyValue attribute ds:RetrievalMethod attribute ds:X509Data attribute ds:PGPData attribute ds:SPKIData attribute ds:MgmtData attribute any ##other } </pre>												
namespace	http://www.w3.org/2000/09/xmldsig#												
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 --> </xs:choice> <xs:attribute name="Id" type="ID" use="optional"/> </pre>												

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

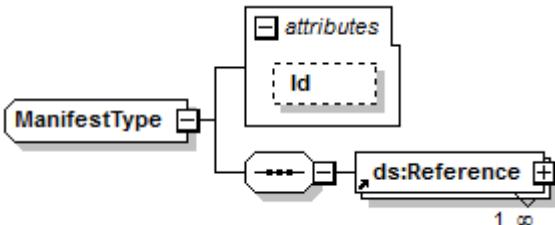
attribute KeyInfoType/@Id

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

complexType KeyValueObjectType

diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
properties	mixed true
children	ds:DSAKeyValue ds:RSAKeyValue
used by	element KeyValue
source	<pre style="font-family: monospace;"> <xs:complexType name="KeyValueObjectType" 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 ManifestType

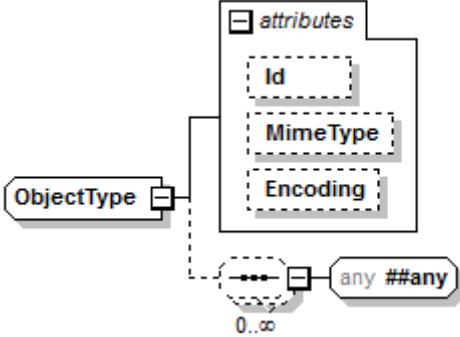
diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
children	ds:Reference

used by	element Manifest					
attributes	Name	Type	Use	Default	Fixed	Annotation
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	 <pre> classDiagram class ObjectType { <<attributes>> <<Id>> <<MimeType>> <<Encoding>> } ObjectType "0..infinity" -- "any ##any" </pre>																								
namespace	http://www.w3.org/2000/09/xmldsig#																								
properties	mixed true																								
used by	element Object																								
attributes	<table border="1"> <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> <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"> <xs:any namespace="##any" processContents="lax"/> </xs:sequence> </xs:complexType></pre>																								

	<pre> </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"/>

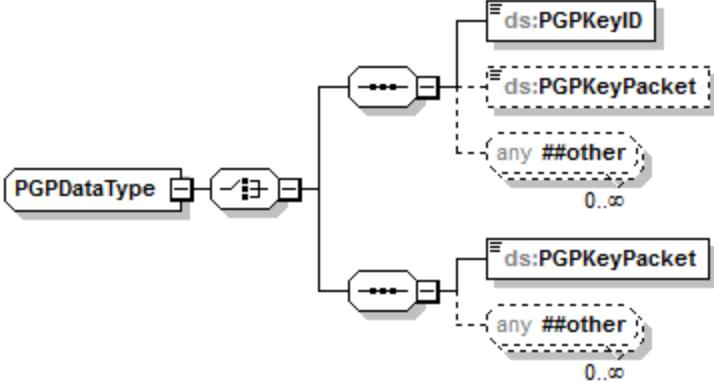
attribute ObjectType/@MimeType

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"/>

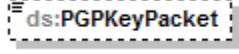
complexType PGPDataType

diagram	 <pre> sequenceDiagram participant PGPDataType as PGPDataType participant PGPKeyID as ds:PGPKeyID participant PGPKeyPacket as ds:PGPKeyPacket participant Any as any ##other PGPDataType->>PGPKeyID: activate PGPKeyID PGPKeyID->>Any: activate Any Any-->>PGPKeyID: deactivate Any deactivate PGPKeyID PGPDataType->>PGPKeyPacket: activate PGPKeyPacket PGPKeyPacket->>Any: activate Any Any-->>PGPKeyPacket: deactivate Any deactivate PGPKeyPacket </pre>
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	<pre> <xs:element name="PGPKeyID" type="base64Binary"/> </pre>

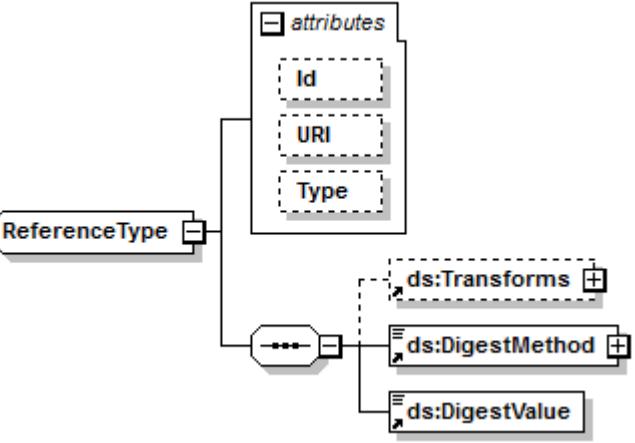
element PGPDataType/PGPKeyPacket

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	<pre><xs:attribute name="Id" type="ID" use="optional"/></pre>

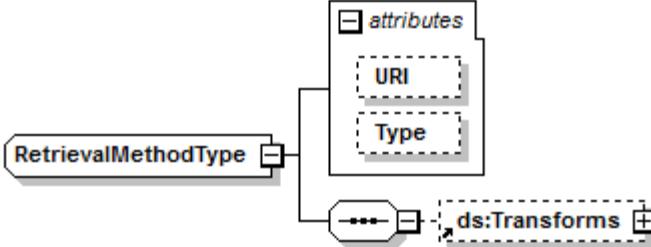
attribute ReferenceType/@URI

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

attribute ReferenceType/@Type

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

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><u>URI</u></td> <td><u>xs:anyURI</u></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td><u>Type</u></td> <td><u>xs:anyURI</u></td> <td>optional</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Name	Type	Use	Default	Fixed	Annotation	<u>URI</u>	<u>xs:anyURI</u>					<u>Type</u>	<u>xs:anyURI</u>	optional			
Name	Type	Use	Default	Fixed	Annotation														
<u>URI</u>	<u>xs:anyURI</u>																		
<u>Type</u>	<u>xs:anyURI</u>	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>																		

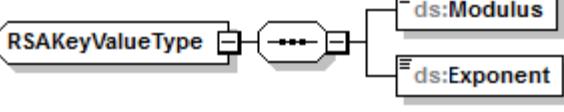
attribute RetrievalMethodType/@URI

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

attribute RetrievalMethodType/@Type

type	<u>xs:anyURI</u>
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>

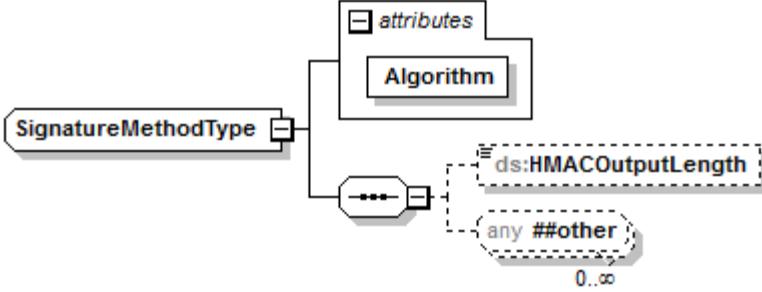
element RSAKeyValue/Modulus

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:any> </xs:sequence> <xs:attribute name="Algorithm" type="anyURI" use="required"/> </xs:complexType></pre>												

attribute **SignatureMethodType/@Algorithm**

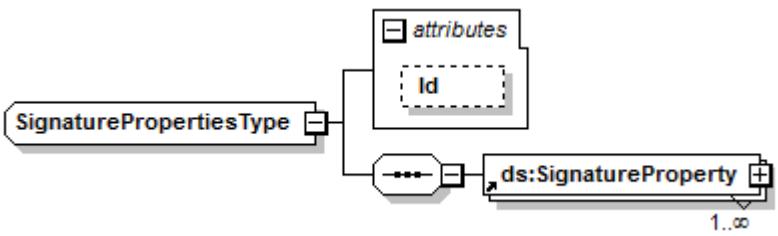
type	xs:anyURI
properties	use required
source	<pre><xs:attribute name="Algorithm" type="anyURI" use="required"/></pre>

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>

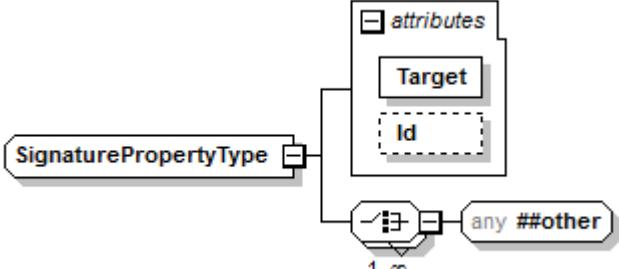
complexType **SignaturePropertiesType**

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 **Signature.PropertyType**

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="Signature.PropertyType" 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>																		

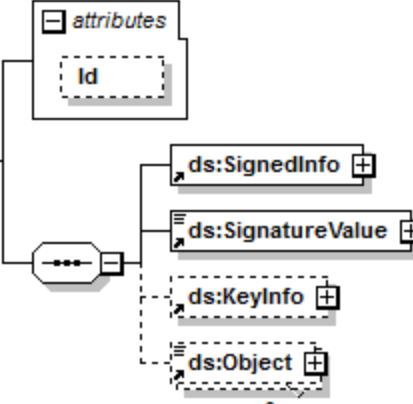
attribute **Signature.PropertyType/@Target**

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

attribute **Signature.PropertyType/@Id**

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

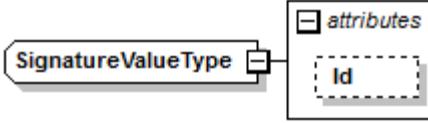
complexType SignatureType

diagram													
namespace	http://www.w3.org/2000/09/xmldsig#												
children	ds:SignedInfo ds:SignatureValue ds:KeyInfo ds:Object												
used by	elements Signature requisitaChaves/Signature requisitaQuantidadeChaves/Signature buscaDocumentosMDFe/Signature encerraTransporte/Signature requisitaChavesComPaginacao/Signature gravaCDFeSmartCard/Signature adicionaDocumento/Signature inicializaCDFeTag/Signature finalizaGravacaoDocumentos/Signature requisitaChavesPorDataInicial/Signature associaCDFeTag/Signature gravaCDFeTag/Signature recuperarStatusGravacao/Signature iniciaGravacaoDocumentos/Signature recuperarStatusInicializacao/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	<xs:attribute name="Id" type="ID" use="optional"/>

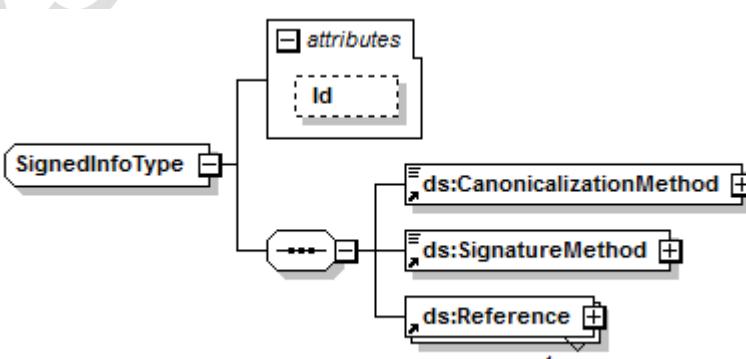
complexType SignatureValueType

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	<pre><xs:attribute name="Id" type="ID" use="optional"/></pre>

complexType SignedInfoType

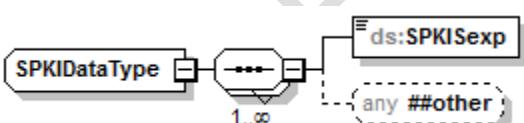
diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
children	ds:CanonicalizationMethod ds:SignatureMethod ds:Reference

used by	element SignedInfo					
attributes	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

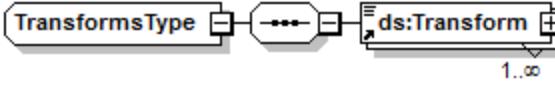
diagram	 <pre> classDiagram class SPKIDataType class SPKISexp SPKIDataType "1..>" *-- "*" SPKISexp </pre>
namespace	http://www.w3.org/2000/09/xmldsig#
children	ds:SPKISexp
used by	element SPKIData
source	<pre><xs:complexType name="SPKIDataType"> <xs:sequence maxOccurs="unbounded"> <xs:element name="SPKISexp" type="base64Binary"/> <xs:any namespace="##other" processContents="lax" minOccurs="0"/> </xs:sequence> </xs:complexType></pre>

element SPKIDataType/SPKISexp

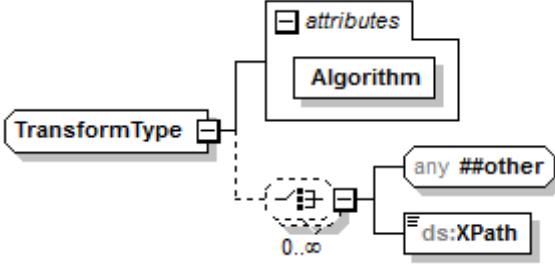
diagram	
namespace	http://www.w3.org/2000/09/xmldsig#

type	<code>xs:base64Binary</code>
properties	content simple
source	<pre><xs:element name="SPKISexp" type="base64Binary"/></pre>

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><code>xs:anyURI</code></td> <td>required</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Name	Type	Use	Default	Fixed	Annotation	Algorithm	<code>xs:anyURI</code>	required			
Name	Type	Use	Default	Fixed	Annotation								
Algorithm	<code>xs:anyURI</code>	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></pre>												

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

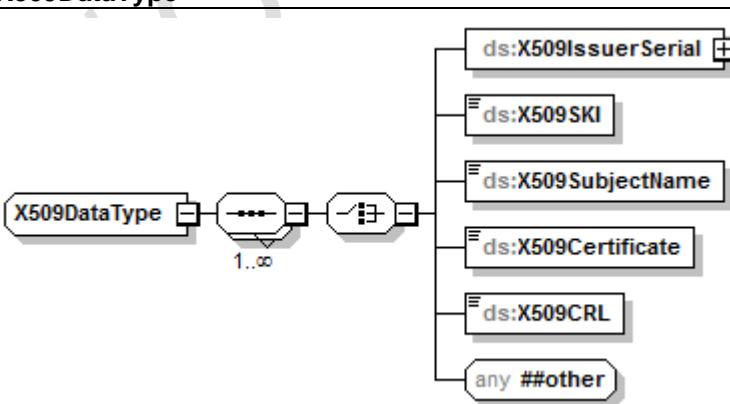
attribute TransformType/@Algorithm

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

element TransformType/XPath

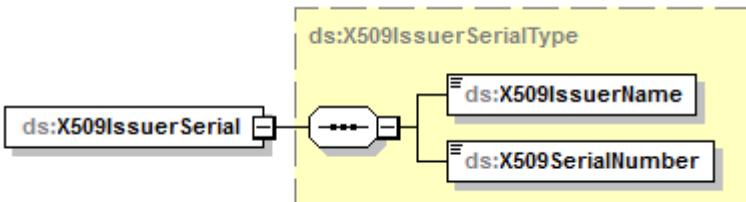
diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
type	xs:string
properties	content simple
source	<pre><xs:element name="XPath" type="string"/></pre>

complexType X509DataType

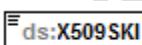
diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
children	ds:X509IssuerSerial ds:X509SKI ds:X509SubjectName ds:X509Certificate ds:X509CRL
used by	element X509Data
source	<pre><xs:complexType name="X509DataType"> <xs:sequence maxOccurs="unbounded"> <xs:choice> <xs:element name="X509IssuerSerial"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

	<pre> <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>
--	--

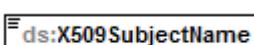
element X509DataType/X509IssuerSerial

diagram	 <pre> classDiagram class ds:X509IssuerSerialType { ds:X509IssuerName ds:X509SerialNumber } ds:X509IssuerSerial "1" -- "*" ds:X509IssuerSerialType </pre>
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

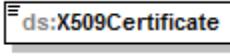
diagram	 <pre> classDiagram class ds:X509SKI </pre>
namespace	http://www.w3.org/2000/09/xmldsig#
type	xs:base64Binary
properties	content simple
source	<pre> <xs:element name="X509SKI" type="base64Binary"/> </pre>

element X509DataType/X509SubjectName

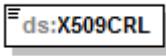
diagram	 <pre> classDiagram class ds:X509SubjectName </pre>
namespace	http://www.w3.org/2000/09/xmldsig#
type	xs:string

properties	content simple
source	<xs:element name="X509SubjectName" type="string"/>

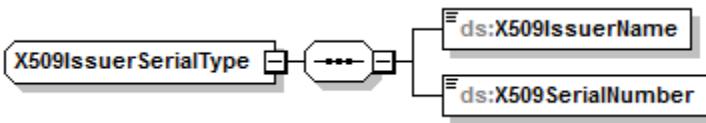
element X509DataType/X509Certificate

diagram	
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>

XML Schema documentation generated by [XMLSpy](#) Schema Editor <http://www.altova.com/xmlspy>

4.4 SCHEMA RELACIONADO AOS MÉTODOS DO SMART CARD

Schema BackofficeBrasillIdSmartCard.xsd

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

Elements	Complex types	Simple types
adicionaDocumento	adicionaDocumento	estadoCarqa
adicionaDocumentoResponse	adicionaDocumentoResponse	estadoDocument
associaCDFeTag	associaCDFeTag	wsResult
associaCDFeTagResponse	associaCDFeTagResponse	
buscaDocumentosMDFe	buscaDocumentosMDFe	
buscaDocumentosMDFeResponse	buscaDocumentosMDFeResponse	
encerraTransporte	encerraTransporte	
encerraTransporteResponse	encerraTransporteResponse	
finalizaGravacaoDocumentos	finalizaGravacaoDocumentos	
finalizaGravacaoDocumentosResponse	finalizaGravacaoDocumentosResponse	
gravaCDFeSmartCard	gravaCDFeSmartCard	
gravaCDFeSmartCardResponse	gravaCDFeSmartCardResponse	
gravaCDFeTag	gravaCDFeTag	
gravaCDFeTagResponse	gravaCDFeTagResponse	
iniciaGravacaoDocumentos	iniciaGravacaoDocumentos	
iniciaGravacaoDocumentosResponse	iniciaGravacaoDocumentosResponse	
inicializaCDFeTag	inicializaCDFeTag	
inicializaCDFeTagResponse	inicializaCDFeTagResponse	
recuperaStatusGravacao	recuperaStatusGravacao	
recuperaStatusGravacaoResponse	recuperaStatusGravacaoResponse	
recuperaStatusInicializacao	recuperaStatusInicializacao	
recuperaStatusInicializacaoResponse	recuperaStatusInicializacaoResponse	
requisitaChaves	requisitaChaves	

requisitaChavesComPaginacao	requisitaChavesComPaginacao
requisitaChavesComPaginacaoResponse	requisitaChavesComPaginacaoResponse
requisitaChavesPorDataInicial	requisitaChavesPorDataInicial
requisitaChavesPorDataInicialResponse	requisitaChavesPorDataInicialResponse
requisitaChavesResponse	requisitaChavesResponse
requisitaQuantidadeChaves	requisitaQuantidadeChaves
requisitaQuantidadeChavesResponse	requisitaQuantidadeChavesResponse
	wsCarga
	wsDocument
	wsKey
	wsToken

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

attributeFormDefault:

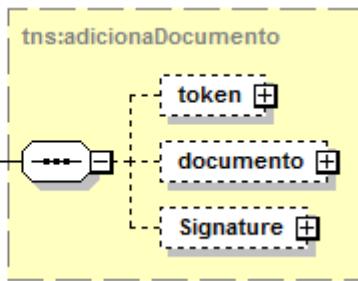
elementFormDefault: **qualified**

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-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 adicionaDocumento

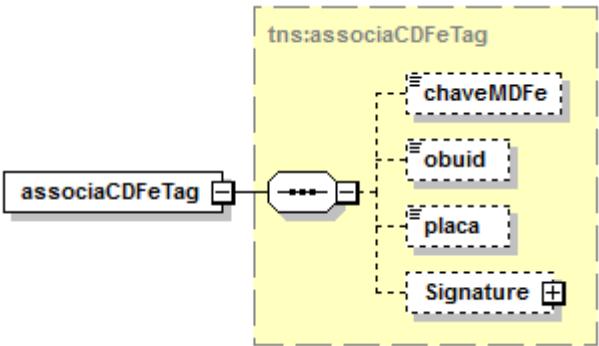
diagram	
namespace	http://webservices.brasil-id.org.br/cdfe/
type	tns:adicionaDocumento
properties	content complex
children	token documento Signature

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

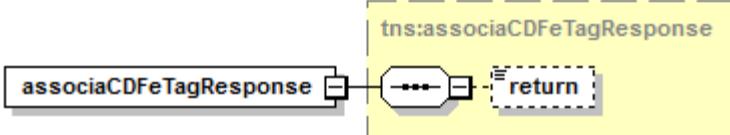
element adicionaDocumentoResponse

diagram	 <pre> sequenceDiagram participant A participant B A->>B: adicionaDocumentoResponse activate B B-->>A: return deactivate B </pre>
namespace	http://webservices.brasil-id.org.br/cdfe/
type	tns:adicionaDocumentoResponse
properties	content complex
children	return
source	<code><xs:element name="adicionaDocumentoResponse" type="tns:adicionaDocumentoResponse"/></code>

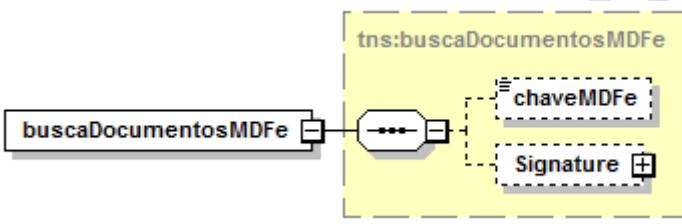
element associaCDFeTag

diagram	 <pre> sequenceDiagram participant A participant B A->>B: associaCDFeTag activate B B-->>A: chaveMDFe B-->>A: obuid B-->>A: placa B-->>A: Signature deactivate B </pre>
namespace	http://webservices.brasil-id.org.br/cdfe/
type	tns:associaCDFeTag
properties	content complex
children	chaveMDFe obuid placa Signature
source	<code><xs:element name="associaCDFeTag" type="tns:associaCDFeTag"/></code>

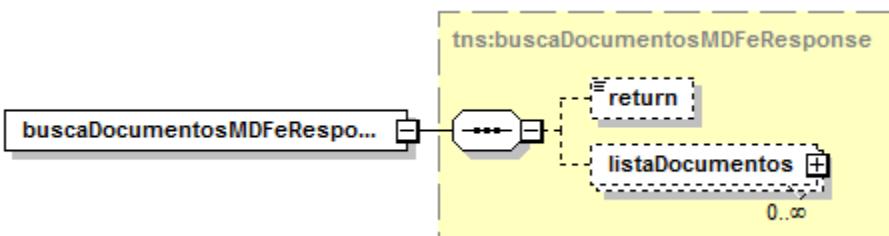
element associaCDFeTagResponse

diagram	 <pre> sequenceDiagram participant A participant B A->>B: associaCDFeTagResponse activate B B-->>A: return deactivate B </pre>
namespace	http://webservices.brasil-id.org.br/cdfe/
type	tns:associaCDFeTagResponse
properties	content complex
children	return
source	<xs:element name="associaCDFeTagResponse" type="tns:associaCDFeTagResponse"/>

element buscaDocumentosMDFe

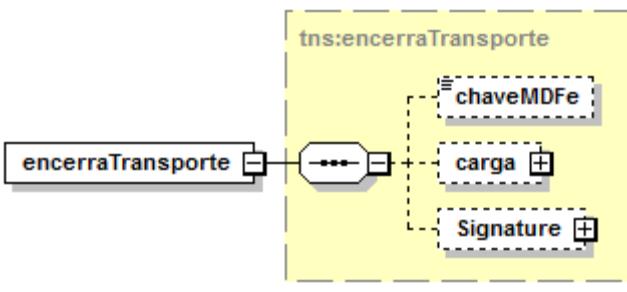
diagram	 <pre> sequenceDiagram participant A participant B A->>B: buscaDocumentosMDFe activate B B-->>A: chaveMDFe B-->>A: Signature deactivate B </pre>
namespace	http://webservices.brasil-id.org.br/cdfe/
type	tns:buscaDocumentosMDFe
properties	content complex
children	chaveMDFe Signature
source	<xs:element name="buscaDocumentosMDFe" type="tns:buscaDocumentosMDFe"/>

element buscaDocumentosMDFeResponse

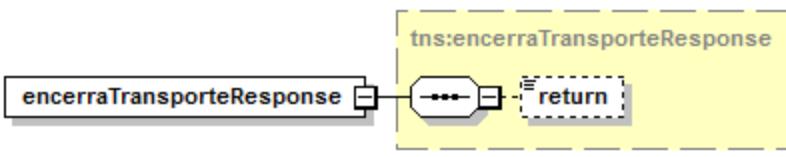
diagram	 <pre> sequenceDiagram participant A participant B A->>B: buscaDocumentosMDFeResponse activate B B-->>A: return B-->>A: listaDocumentos [0..∞] deactivate B </pre>
namespace	http://webservices.brasil-id.org.br/cdfe/
type	tns:buscaDocumentosMDFeResponse

properties	content complex
children	return listaDocumentos
source	<xs:element name="buscaDocumentosMDFeResponse" type="tns:buscaDocumentosMDFeResponse"/>

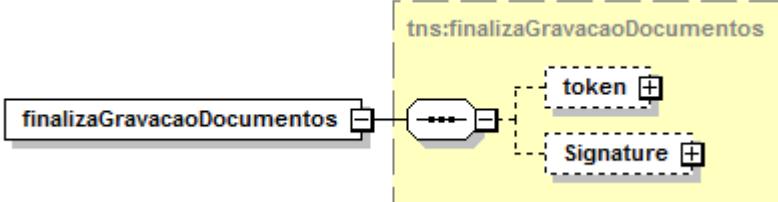
element encerraTransporte

diagram	
namespace	http://webservices.brasil-id.org.br/cdfe/
type	tns:encerraTransporte
properties	content complex
children	chaveMDFe carga Signature
source	<xs:element name="encerraTransporte" type="tns:encerraTransporte"/>

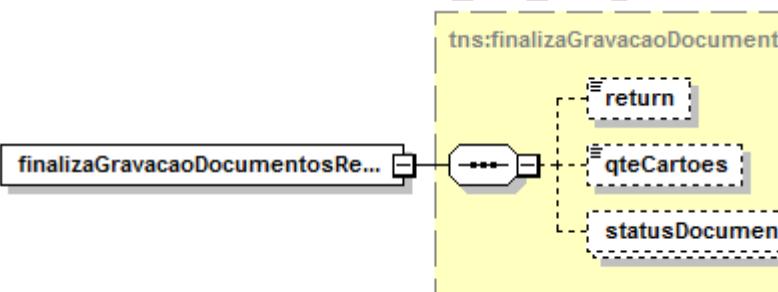
element encerraTransporteResponse

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

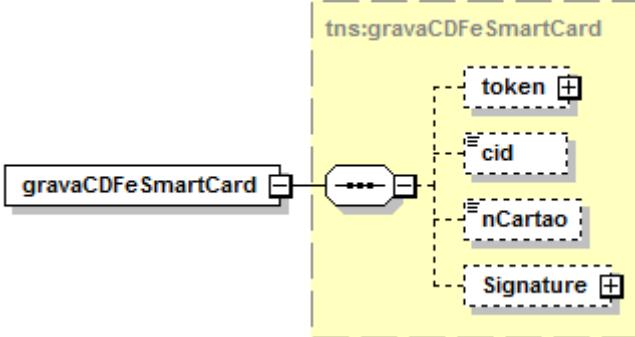
element finalizaGravacaoDocumentos

diagram	 <pre> sequenceDiagram participant Caller participant Target Caller->>Target: finalizaGravacaoDocumentos activate Target Caller->>Target: token Caller->>Target: Signature deactivate Target </pre>
namespace	http://webservices.brasil-id.org.br/cdfe/
type	tns:finalizaGravacaoDocumentos
properties	content complex
children	token Signature
source	<pre> <xs:element name="finalizaGravacaoDocumentos" type="tns:finalizaGravacaoDocumentos"/> </pre>

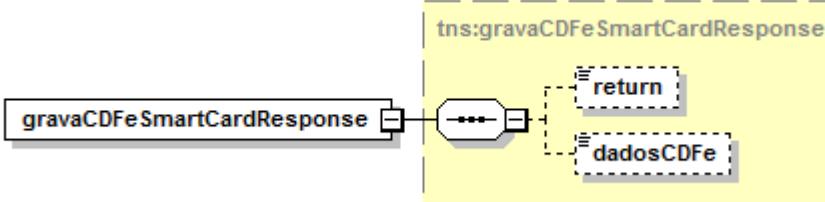
element finalizaGravacaoDocumentosResponse

diagram	 <pre> sequenceDiagram participant Caller participant Target Caller->>Target: finalizaGravacaoDocumentosRe... activate Target Caller->>Target: return Caller->>Target: qteCartoes Caller->>Target: statusDocumentos deactivate Target </pre>
namespace	http://webservices.brasil-id.org.br/cdfe/
type	tns:finalizaGravacaoDocumentosResponse
properties	content complex
children	return qteCartoes statusDocumentos
source	<pre> <xs:element name="finalizaGravacaoDocumentosResponse" type="tns:finalizaGravacaoDocumentosResponse"/> </pre>

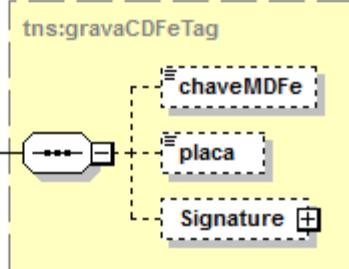
element gravaCDFeSmartCard

diagram	 <pre> graph LR A[gravaCDFeSmartCard] --> B[token] A --> C[cid] A --> D[nCartao] A --> E[Signature] </pre>
namespace	http://webservices.brasil-id.org.br/cdfe/
type	tns:gravaCDFeSmartCard
properties	content complex
children	token cid nCartao Signature
source	<code><xs:element name="gravaCDFeSmartCard" type="tns:gravaCDFeSmartCard"/></code>

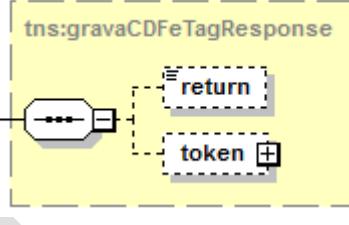
element gravaCDFeSmartCardResponse

diagram	 <pre> graph LR A[gravaCDFeSmartCardResponse] --> B[return] A --> C[dadosCDFe] </pre>
namespace	http://webservices.brasil-id.org.br/cdfe/
type	tns:gravaCDFeSmartCardResponse
properties	content complex
children	return dadosCDFe
source	<code><xs:element name="gravaCDFeSmartCardResponse" type="tns:gravaCDFeSmartCardResponse"/></code>

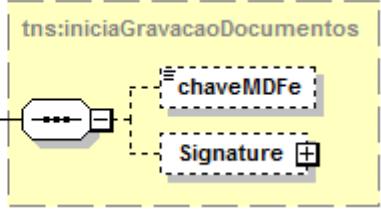
element gravaCDFeTag

diagram	
namespace	http://webservices.brasil-id.org.br/cdfe/
type	tns:gravaCDFeTag
properties	content complex
children	chaveMDFe placa Signature
source	<code><xs:element name="gravaCDFeTag" type="tns:gravaCDFeTag"/></code>

element gravaCDFeTagResponse

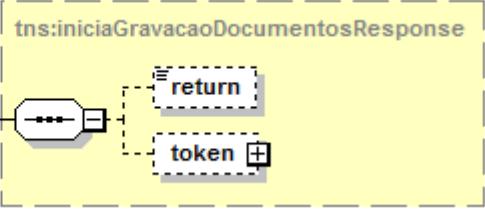
diagram	
namespace	http://webservices.brasil-id.org.br/cdfe/
type	tns:gravaCDFeTagResponse
properties	content complex
children	return token
source	<code><xs:element name="gravaCDFeTagResponse" type="tns:gravaCDFeTagResponse"/></code>

element iniciaGravacaoDocumentos

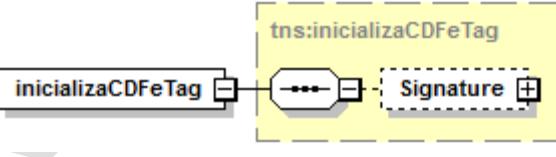
diagram	
namespace	http://webservices.brasil-id.org.br/cdfe/

type	tns:iniciaGravacaoDocumentos
properties	content complex
children	chaveMDFe Signature
source	<xs:element name="iniciaGravacaoDocumentos" type="tns:iniciaGravacaoDocumentos"/>

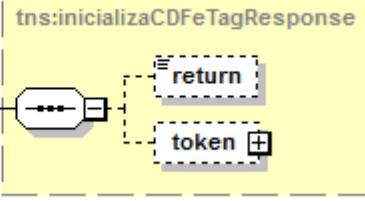
element iniciaGravacaoDocumentosResponse

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

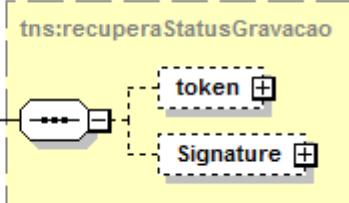
element inicializaCDFeTag

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

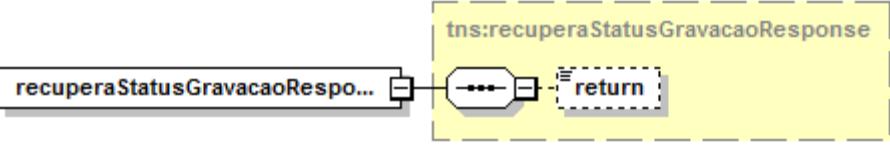
element inicializaCDFeTagResponse

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

element recuperaStatusGravacao

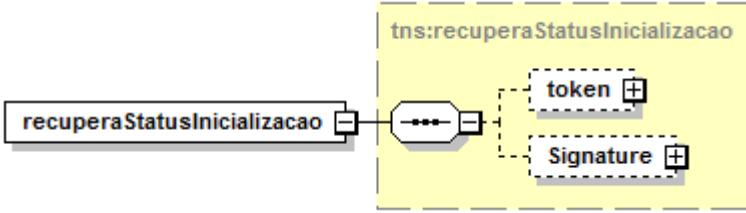
diagram	
namespace	http://webservices.brasil-id.org.br/cdfe/
type	tns:recuperaStatusGravacao
properties	content complex
children	token Signature
source	<xs:element name="recuperaStatusGravacao" type="tns:recuperaStatusGravacao"/>

element recuperaStatusGravacaoResponse

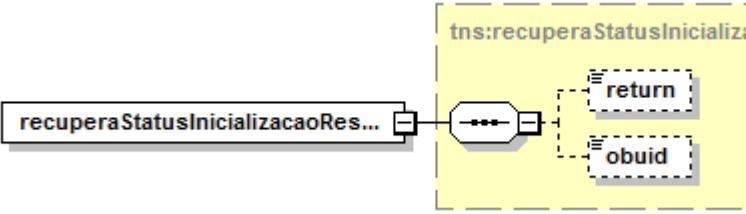
diagram	
namespace	http://webservices.brasil-id.org.br/cdfe/
type	tns:recuperaStatusGravacaoResponse
properties	content complex

children	return
source	<xs:element name="recuperaStatusGravacaoResponse" type="tns:recuperaStatusGravacaoResponse"/>

element recuperarStatusInicializacao

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

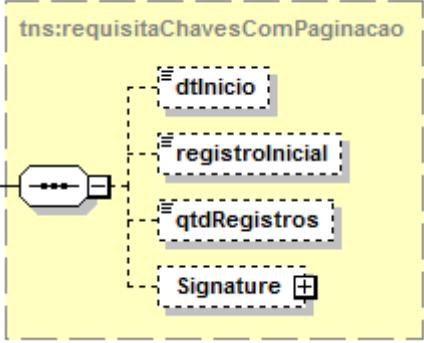
element recuperarStatusInicializacaoResponse

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

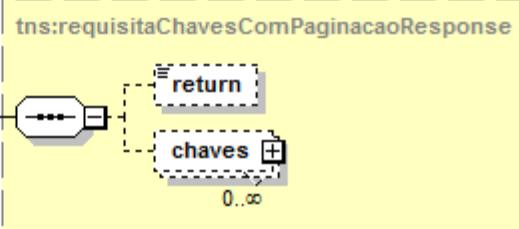
element requisitaChaves

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

element requisitaChavesComPaginacao

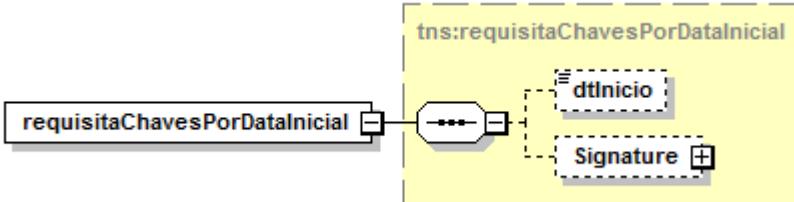
diagram	
namespace	http://webservices.brasil-id.org.br/cdfe/
type	tns:requisitaChavesComPaginacao
properties	content complex
children	dtInicio registroInicial qtdRegistros Signature
source	<xs:element name="requisitaChavesComPaginacao" type="tns:requisitaChavesComPaginacao"/>

element requisitaChavesComPaginacaoResponse

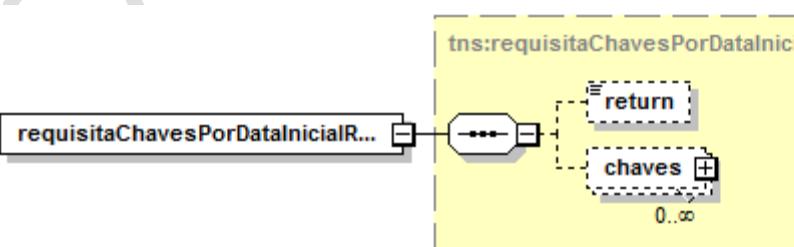
diagram	
---------	--

namespace	http://webservices.brasil-id.org.br/cdfe/
type	tns:requisitaChavesComPaginacaoResponse
properties	content complex
children	return_chaves
source	<xs:element name="requisitaChavesComPaginacaoResponse" type="tns:requisitaChavesComPaginacaoResponse"/>

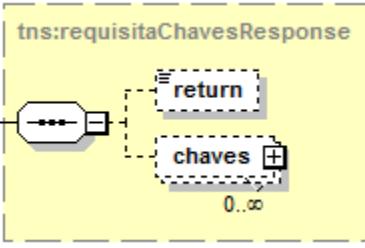
element requisitaChavesPorDataInicial

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

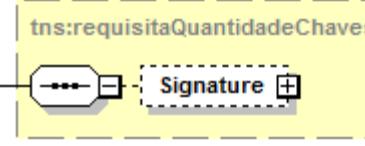
element requisitaChavesPorDataInicialResponse

diagram	
namespace	http://webservices.brasil-id.org.br/cdfe/
type	tns:requisitaChavesPorDataInicialResponse
properties	content complex
children	return_chaves
source	<xs:element name="requisitaChavesPorDataInicialResponse" type="tns:requisitaChavesPorDataInicialResponse"/>

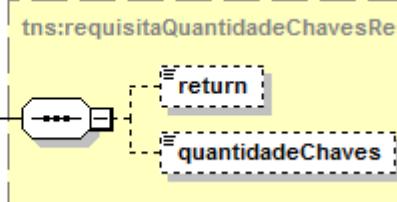
element requisitaChavesResponse

diagram	 <pre> classDiagram class requisitaChavesResponse class tns_requisitaChavesResponse { <<tns:requisitaChavesResponse>> <<return>> <<chaves>> <<0..>> } requisitaChavesResponse --> tns_requisitaChavesResponse : tns_requisitaChavesResponse --> return : tns_requisitaChavesResponse --> chaves : chaves <<0..>> </pre>
namespace	http://webservices.brasil-id.org.br/cdfe/
type	tns:requisitaChavesResponse
properties	content complex
children	return chaves
source	<xs:element name="requisitaChavesResponse" type="tns:requisitaChavesResponse"/>

element requisitaQuantidadeChaves

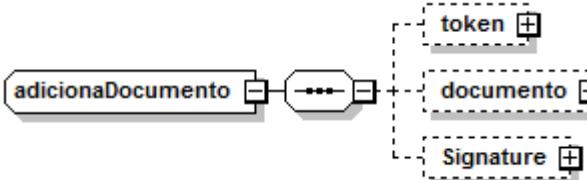
diagram	 <pre> classDiagram class requisitaQuantidadeChaves class tns_requisitaQuantidadeChaves { <<tns:requisitaQuantidadeChaves>> <<Signature>> } requisitaQuantidadeChaves --> tns_requisitaQuantidadeChaves : tns_requisitaQuantidadeChaves --> Signature : </pre>
namespace	http://webservices.brasil-id.org.br/cdfe/
type	tns:requisitaQuantidadeChaves
properties	content complex
children	Signature
source	<xs:element name="requisitaQuantidadeChaves" type="tns:requisitaQuantidadeChaves"/>

element requisitaQuantidadeChavesResponse

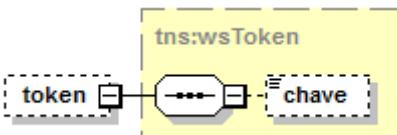
diagram	 <pre> classDiagram class requisitaQuantidadeChavesRe... class tns_requisitaQuantidadeChavesResponse { <<tns:requisitaQuantidadeChavesResponse>> <<return>> <<quantidadeChaves>> } requisitaQuantidadeChavesRe... --> tns_requisitaQuantidadeChavesResponse : tns_requisitaQuantidadeChavesResponse --> return : tns_requisitaQuantidadeChavesResponse --> quantidadeChaves : </pre>
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namespace	http://webservices.brasil-id.org.br/cdfe/
type	tns:requisitaQuantidadeChavesResponse
properties	content complex
children	return quantidadeChaves
source	<xs:element name="requisitaQuantidadeChavesResponse" type="tns:requisitaQuantidadeChavesResponse"/>

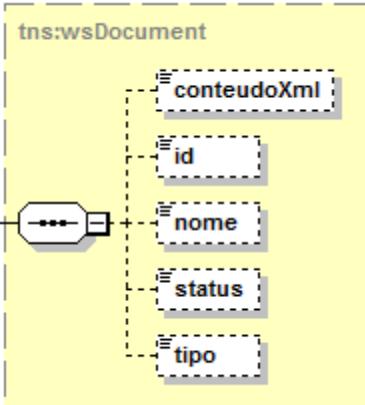
complexType adicionaDocumento

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

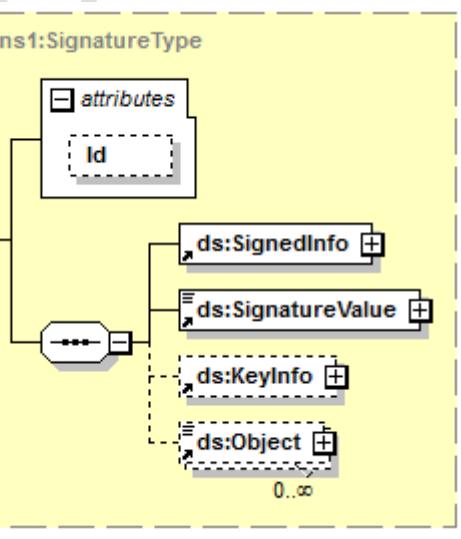
element adicionaDocumento/token

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

element adicionaDocumento/documento

diagram	
type	tns:wsDocument
properties	minOcc 0 maxOcc 1 content complex
children	conteudoXml id nome status tipo
source	<code><xs:element name="documento" type="tns:wsDocument" minOccurs="0"/></code>

element adicionaDocumento/Signature

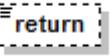
diagram	
type	ds:SignatureType
properties	minOcc 0

	maxOcc 1
	content complex
children ds:SignedInfo ds:SignatureValue ds:KeyInfo ds:Object	
attributes	Name Type Use Default Fixed Annotation
	Id xs:ID optional
source	<xs:element name="Signature" type="ns1:SignatureType" minOccurs="0"/>

complexType adicionaDocumentoResponse

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

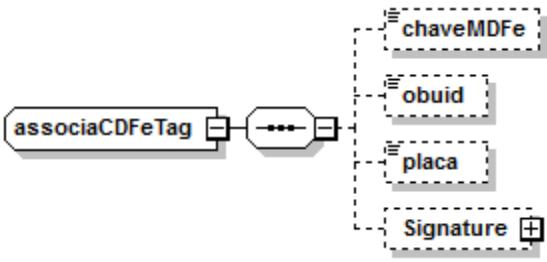
element adicionaDocumentoResponse/return

diagram	
type	tns:wsResult
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation enumeration SUCESSO enumeration CHAMADA_ASSINCRONA_NAO_FINALIZADA enumeration ERRO_DECONHECIDO enumeration ERRO_PARAMETROS_INVALIDOS enumeration ERRO_NAO_APROVADO

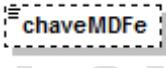
	enumeration ERRO_ASSINATURA_INVALIDA
	enumeration ERRO_PERMISSAO
	enumeration ERRO_TOKEN_INVALIDO
	enumeration ERRO_CID_NAO_ENCONTRADA
	enumeration ERRO_FABRICA_NAO_ENCONTRADA
	enumeration ERRO_OPERADORA_NAO_ENCONTRADA
	enumeration ERRO_CID_NAO_PERTENCE_FABRICA
	enumeration ERRO_ECT_NAO_ENCONTRADO
	enumeration ERRO_FALHA_COMUNICACAO_ECT
	enumeration ERRO_FALHA_DE_DADOS_ECT
	enumeration ERRO_FALHA_VALIDACAO_ECT
	enumeration ERRO_CID_NAO_PODE_SER_VENDIDA
	enumeration ERRO_VEICULO_NAO_ENCONTRADO
	enumeration ERRO_USUARIO_NAO_ENCONTRADO
	enumeration ERRO_CHAVES_NAO_ENCONTRADAS
	enumeration ERRO_PERFIL_NAO_ENCONTRADO
	enumeration ERRO_CARGA_NAO_ENCONTRADA
	enumeration DOCUMENTO_ADICIONADO
	enumeration DOCUMENTO_VALIDO
	enumeration ERRO_DOCUMENTO_INVALIDO
	enumeration ERRO_FALTA_DOCUMENTOS
	enumeration ERRO_GRAVACAO_CDFE
	enumeration CANCELADA_GRAVACAO_CDFE
	enumeration ERRO_OBUID_NAO_ENCONTRADO
	enumeration ERRO_CDFE_NAO_ENCONTRADO
	enumeration ERRO_FALHA_GERACAO_OBUID
	enumeration ERRO_CDFE_NAO_ENCERRADO
	enumeration ERRO_NAO_HA_CARGA_ASSOCIADA

source	<code><xs:element name="return" type="tns:wsResult" minOccurs="0"/></code>
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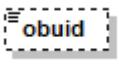
complexType associaCDFeTag

diagram	 <pre> sequenceDiagram participant A as associaCDFeTag participant B as chaveMDFe participant C as obuid participant D as placa participant E as Signature A->>B: A->>C: A->>D: A->>E: </pre>
namespace	http://webservices.brasil-id.org.br/cdfe/
children	chaveMDFe obuid placa Signature
used by	element associaCDFeTag
source	<code> <xs:complexType name="associaCDFeTag"> <xs:sequence> <xs:element name="chaveMDFe" type="xs:string" minOccurs="0"/> <xs:element name="obuid" type="xs:string" minOccurs="0"/> <xs:element name="placa" type="xs:string" minOccurs="0"/> <xs:element name="Signature" type="ns1:SignatureType" minOccurs="0"/> </xs:sequence> </xs:complexType> </code>

element associaCDFeTag/chaveMDFe

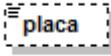
diagram							
type	<code>xs:string</code>						
properties	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">minOcc</td> <td style="width: 15%;">0</td> <td style="width: 15%;">maxOcc</td> <td style="width: 15%;">1</td> <td style="width: 15%;">content</td> <td style="width: 15%;">simple</td> </tr> </table>	minOcc	0	maxOcc	1	content	simple
minOcc	0	maxOcc	1	content	simple		
source	<code><xs:element name="chaveMDFe" type="xs:string" minOccurs="0"/></code>						

element associaCDFeTag/obuid

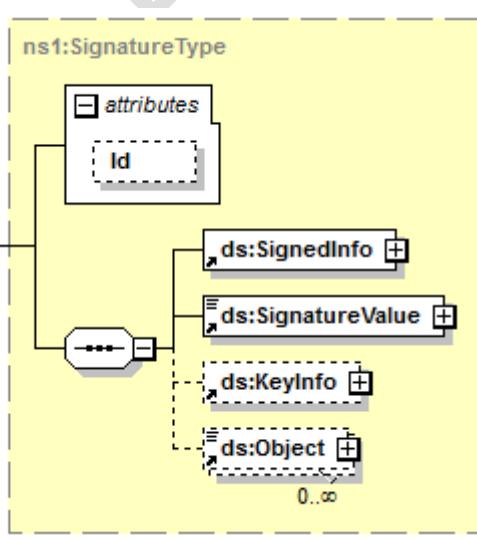
diagram	
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type	xs:string
properties	minOcc 0 maxOcc 1 content simple
source	<xs:element name="obuid" type="xs:string" minOccurs="0"/>

element associaCDFeTag/placa

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

element associaCDFeTag/Signature

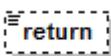
diagram	
type	ds:SignatureType
properties	minOcc 0 maxOcc 1 content complex
children	ds:SignedInfo ds:SignatureValue ds:KeyInfo ds:Object

attributes	Name	Type	Use	Default	Fixed	Annotation
	<u>Id</u>	xs:ID	optional			
source	<xs:element name="Signature" type="ns1:SignatureType" minOccurs="0"/>					

complexType associaCDFeTagResponse

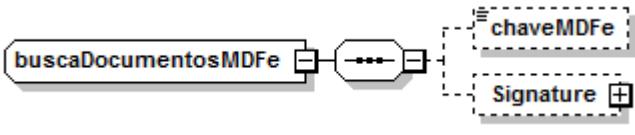
diagram	
namespace	http://webservices.brasil-id.org.br/cdfe/
children	<u>return</u>
used by	element associaCDFeTagResponse
source	<pre><xs:complexType name="associaCDFeTagResponse"> <xs:sequence> <xs:element name="return" type="tns:wsResult" minOccurs="0"/> </xs:sequence> </xs:complexType></pre>

element associaCDFeTagResponse/return

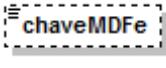
diagram																									
type	tns:wsResult																								
properties	<p>minOcc 0</p> <p>maxOcc 1</p> <p>content simple</p>																								
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>enumeration</td> <td>SUCESSO</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> </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	
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source	<xs:element name="return" type="tns:wsResult" minOccurs="0"/>

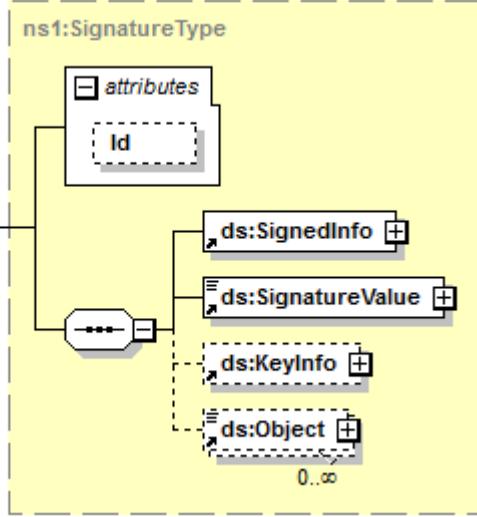
complexType buscaDocumentosMDFe

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

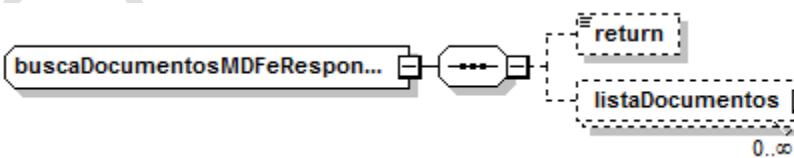
element buscaDocumentosMDFe/chaveMDFe

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

element buscaDocumentosMDFe/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												
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Name	Type	Use	Default	Fixed	Annotation								
Id	xs:ID	optional											
source	<code><xs:element name="Signature" type="ns1:SignatureType" minOccurs="0"/></code>												

complexType buscaDocumentosMDFeResponse

diagram	
namespace	http://webservices.brasil-id.org.br/cdfe/
children	return listaDocumentos
used by	element buscaDocumentosMDFeResponse
source	<pre><xs:complexType name="buscaDocumentosMDFeResponse"> <xs:sequence> <xs:element name="return" type="tns:wsResult" minOccurs="0"/> <xs:element name="listaDocumentos" type="tns:wsDocument" minOccurs="0" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType></pre>

element buscaDocumentosMDFeResponse/return

diagram	 return																																																																
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properties	minOcc 0 maxOcc 1 content simple																																																																
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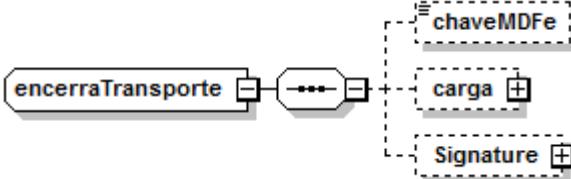
	enumeration ERRO_PERFIL_NAO_ENCONTRADO enumeration ERRO_CARGA_NAO_ENCONTRADA enumeration DOCUMENTO_ADICIONADO enumeration DOCUMENTO_VALIDO enumeration ERRO_DOCUMENTO_INVALIDO enumeration ERRO_FALTA_DOCUMENTOS enumeration ERRO_GRAVACAO_CDFE enumeration CANCELADA_GRAVACAO_CDFE enumeration ERRO_OBUID_NAO_ENCONTRADO enumeration ERRO_CDFE_NAO_ENCONTRADO enumeration ERRO_FALHA_GERACAO_OBUID enumeration ERRO_CDFE_NAO_ENCERRADO enumeration ERRO_NAO_HA_CARGA_ASSOCIADA
source	<xs:element name="return" type="tns:wsResult" minOccurs="0"/>

element buscaDocumentosMDFeResponse/listaDocumentos

diagram	
type	tns:wsDocument
properties	minOcc 0 maxOcc unbounded content complex
children	conteudoXml id nome status tipo

source	<pre><xs:element name="listaDocumentos" type="tns:wsDocument" minOccurs="0" maxOccurs="unbounded"/></pre>
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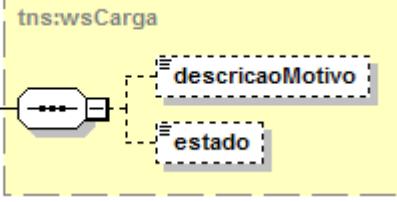
complexType encerraTransporte

diagram	
namespace	http://webservices.brasil-id.org.br/cdfe/
children	chaveMDFe carga Signature
used by	element encerraTransporte
source	<pre><xs:complexType name="encerraTransporte"> <xs:sequence> <xs:element name="chaveMDFe" type="xs:string" minOccurs="0"/> <xs:element name="carga" type="tns:wsCarga" minOccurs="0"/> <xs:element name="Signature" type="ns1:SignatureType" minOccurs="0"/> </xs:sequence> </xs:complexType></pre>

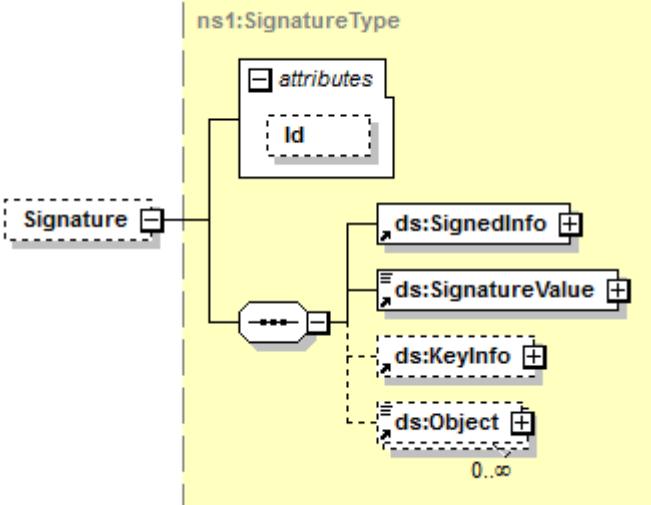
element encerraTransporte/chaveMDFe

diagram							
type	xs:string						
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						
source	<pre><xs:element name="chaveMDFe" type="xs:string" minOccurs="0"/></pre>						

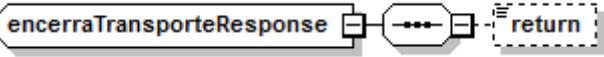
element encerraTransporte/carga

diagram	
type	tns:wsCarga
properties	minOcc 0 maxOcc 1 content complex
children	descricaoMotivo estado
source	<code><xs:element name="carga" type="tns:wsCarga" minOccurs="0"/></code>

element encerraTransporte/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 encerraTransporteResponse

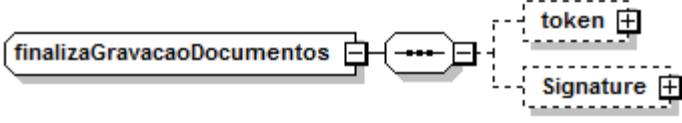
diagram	
namespace	http://webservices.brasil-id.org.br/cdfe/
children	return
used by	element encerraTransporteResponse
source	<pre><xs:complexType name="encerraTransporteResponse"> <xs:sequence> <xs:element name="return" type="tns:wsResult" minOccurs="0"/> </xs:sequence> </xs:complexType></pre>

element encerraTransporteResponse/return

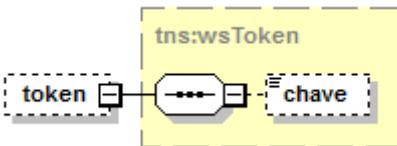
diagram																																		
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Kind	Value	Annotation																																
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source	<xs:element name="return" type="tns:wsResult" minOccurs="0"/>

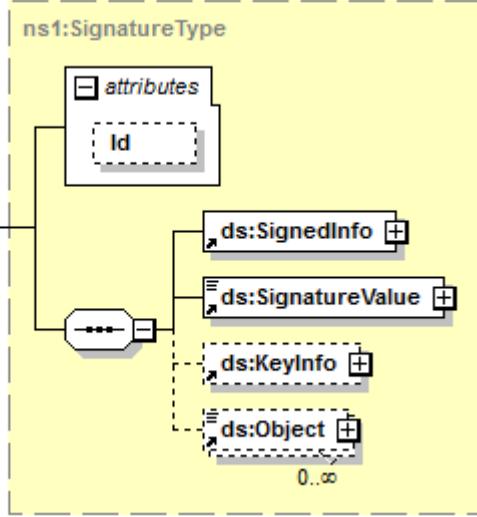
complexType finalizaGravacaoDocumentos

diagram	
namespace	http://webservices.brasil-id.org.br/cdfe/
children	token Signature
used by	element finalizaGravacaoDocumentos
source	<pre><xs:complexType name="finalizaGravacaoDocumentos"> <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>

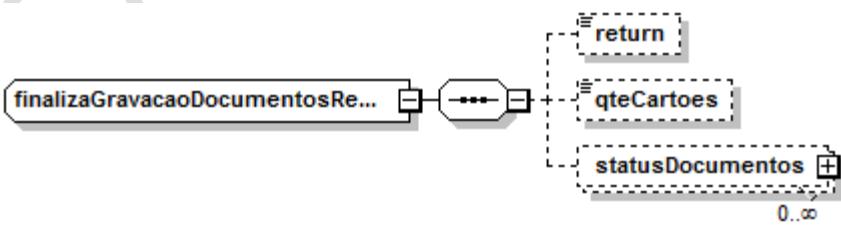
element finalizaGravacaoDocumentos/token

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

element **finalizaGravacaoDocumentos/Signature**

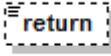
diagram													
type	ds:SignatureType												
properties	<p>minOcc 0</p> <p>maxOcc 1</p> <p>content complex</p>												
children	ds:SignedInfo ds:SignatureValue ds:KeyInfo ds:Object												
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Name	Type	Use	Default	Fixed	Annotation		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

complexType **finalizaGravacaoDocumentosResponse**

diagram	
namespace	http://webservices.brasil-id.org.br/cdfe/
children	return qteCartoes statusDocumentos
used by	element finalizaGravacaoDocumentosResponse
source	<pre> <xs:complexType name="finalizaGravacaoDocumentosResponse"> <xs:sequence> <xs:element name="return" type="tns:wsResult" minOccurs="0"/> <xs:element name="qteCartoes" type="xs:int" minOccurs="0"/> <xs:element name="statusDocumentos" type="tns:wsDocument" minOccurs="0" maxOccurs="unbounded"/> </pre>

	<pre></xs:sequence> </xs:complexType></pre>
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element finalizaGravacaoDocumentosResponse/return

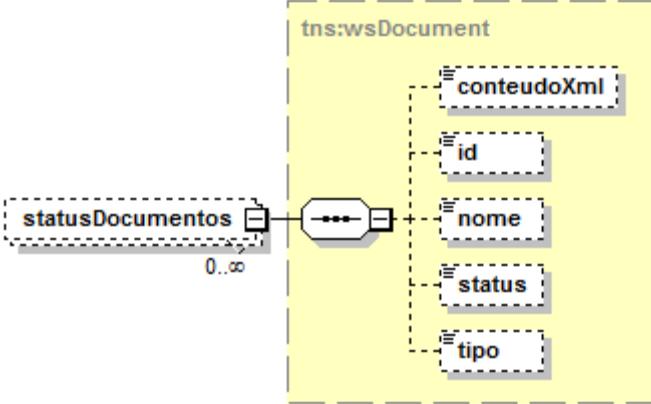
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source	<xs:element name="return" type="tns:wsResult" minOccurs="0"/>

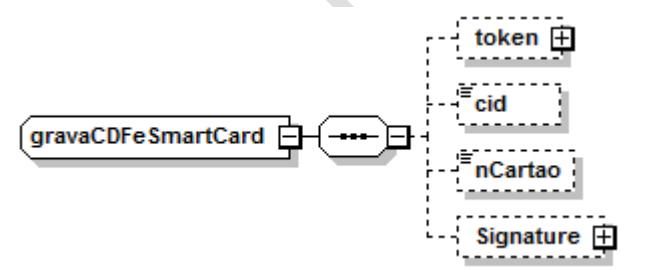
element finalizaGravacaoDocumentosResponse/qteCartoes

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

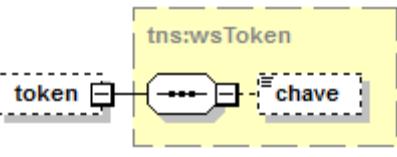
element **finalizaGravacaoDocumentosResponse/statusDocumentos**

diagram	 <pre> sequenceDiagram participant SD as statusDocumentos participant WD as wsDocument SD->>WD: activate WD Note over WD: wsDocument Note over WD: conteudoXml Note over WD: id Note over WD: nome Note over WD: status Note over WD: tipo deactivate WD SD-->>SD: 0..∞ </pre>
type	tns:wsDocument
properties	minOcc 0 maxOcc unbounded content complex
children	conteudoXml id nome status tipo
source	<pre> <xs:element name="statusDocumentos" type="tns:wsDocument" minOccurs="0" maxOccurs="unbounded"/> </pre>

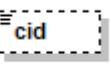
complexType **gravaCDFeSmartCard**

diagram	 <pre> sequenceDiagram participant G as gravaCDFeSmartCard activate G Note over G: gravaCDFeSmartCard Note over G: token Note over G: cid Note over G: nCartao Note over G: Signature deactivate G </pre>
namespace	http://webservices.brasil-id.org.br/cdfe/
children	token cid nCartao Signature
used by	element gravaCDFeSmartCard
source	<pre> <xs:complexType name="gravaCDFeSmartCard"> <xs:sequence> <xs:element name="token" type="tns:wsToken" minOccurs="0"/> <xs:element name="cid" type="xs:string" minOccurs="0"/> <xs:element name="nCartao" type="xs:int" minOccurs="0"/> <xs:element name="Signature" type="ns1:SignatureType" minOccurs="0"/> </xs:sequence> </xs:complexType> </pre>

element gravaCDFeSmartCard/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>

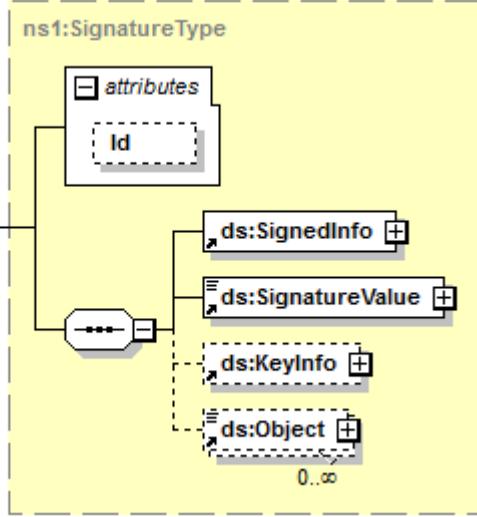
element gravaCDFeSmartCard/cid

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

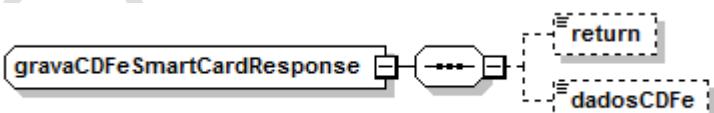
element gravaCDFeSmartCard/nCartao

diagram	
type	xs:int
properties	minOcc 0 maxOcc 1 content simple
source	<code><xs:element name="nCartao" type="xs:int" minOccurs="0"/></code>

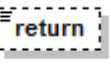
element gravaCDFeSmartCard/Signature

diagram	 <pre> classDiagram class ns1.SignatureType { attribute Id association "0..1" to ds.SignedInfo association "0..1" to ds.SignatureValue association "0..1" to ds.KeyInfo association "0..1" to ds.Object } class ds.SignedInfo class ds.SignatureValue class ds.KeyInfo class ds.Object </pre>												
type	ds:SignatureType												
properties	minOcc 0 maxOcc 1 content complex												
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Name	Type	Use	Default	Fixed	Annotation								
Id	xs:ID	optional											
source	<code><xs:element name="Signature" type="ns1:SignatureType" minOccurs="0"/></code>												

complexType gravaCDFeSmartCardResponse

diagram	 <pre> sequenceDiagram participant gravaCDFeSmartCardResponse participant return participant dadosCDFe gravaCDFeSmartCardResponse->>return: activate return return-->>dadosCDFe: activate dadosCDFe </pre>
namespace	http://webservices.brasil-id.org.br/cdfe/
children	return dadosCDFe
used by	element gravaCDFeSmartCardResponse
source	<pre> <xs:complexType name="gravaCDFeSmartCardResponse"> <xs:sequence> <xs:element name="return" type="tns:wsResult" minOccurs="0"/> <xs:element name="dadosCDFe" type="xs:string" minOccurs="0"/> </xs:sequence> </xs:complexType> </pre>

element gravaCDFeSmartCardResponse/return

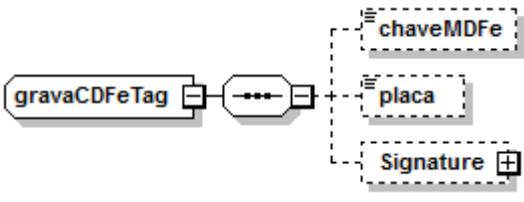
diagram	 return	
type	tns:wsResult	
properties	minOcc 0 maxOcc 1 content simple	
facets	Kind	Value
	enumeration	SUCESSO
	enumeration	CHAMADA_ASSINCRONA_NAO_FINALIZADA
	enumeration	ERRO_DECONHECIDO
	enumeration	ERRO_PARAMETROS_INVALIDOS
	enumeration	ERRO_NAO_APROVADO
	enumeration	ERRO_ASSINATURA_INVALIDA
	enumeration	ERRO_PERMISSAO
	enumeration	ERRO_TOKEN_INVALIDO
	enumeration	ERRO_CID_NAO_ENCONTRADA
	enumeration	ERRO_FABRICA_NAO_ENCONTRADA
	enumeration	ERRO_OPERADORA_NAO_ENCONTRADA
	enumeration	ERRO_CID_NAO_PERTENCE_FABRICA
	enumeration	ERRO_ECT_NAO_ENCONTRADO
	enumeration	ERRO_FALHA_COMUNICACAO_ECT
	enumeration	ERRO_FALHA_DE_DADOS_ECT
	enumeration	ERRO_FALHA_VALIDACAO_ECT
	enumeration	ERRO_CID_NAO_PODE_SER_VENDIDA
	enumeration	ERRO_VEICULO_NAO_ENCONTRADO
	enumeration	ERRO_USUARIO_NAO_ENCONTRADO
	enumeration	ERRO_CHAVES_NAO_ENCONTRADAS
	enumeration	ERRO_PERFIL_NAO_ENCONTRADO

	enumeration ERRO_CARGA_NAO_ENCONTRADA enumeration DOCUMENTO_ADICIONADO enumeration DOCUMENTO_VALIDO enumeration ERRO_DOCUMENTO_INVALIDO enumeration ERRO_FALTA_DOCUMENTOS enumeration ERRO_GRAVACAO_CDFE enumeration CANCELADA_GRAVACAO_CDFE enumeration ERRO_OBUID_NAO_ENCONTRADO enumeration ERRO_CDFE_NAO_ENCONTRADO enumeration ERRO_FALHA_GERACAO_OBUID enumeration ERRO_CDFE_NAO_ENCERRADO enumeration ERRO_NAO_HA_CARGA_ASSOCIADA
source	<xs:element name="return" type="tns:wsResult" minOccurs="0"/>

element gravaCDFeSmartCardResponse/dadosCDFe

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

complexType gravaCDFeTag

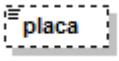
diagram	
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namespace	http://webservices.brasil-id.org.br/cdfe/
children	chaveMDFe placa Signature
used by	element gravaCDFeTag
source	<pre><xs:complexType name="gravaCDFeTag"> <xs:sequence> <xs:element name="chaveMDFe" type="xs:string" minOccurs="0"/>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

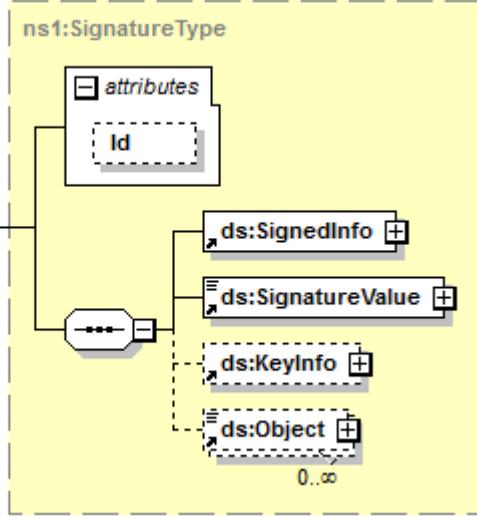
element gravaCDFeTag/chaveMDFe

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

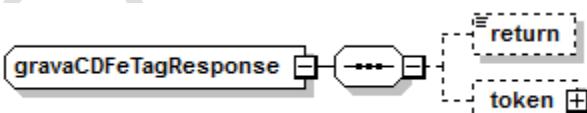
element gravaCDFeTag/placa

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

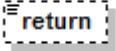
element gravaCDFeTag/Signature

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 gravaCDFeTagResponse

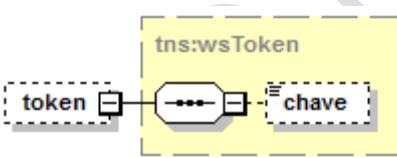
diagram	
namespace	http://webservices.brasil-id.org.br/cdfe/
children	return token
used by	element gravaCDFeTagResponse
source	<pre> <xs:complexType name="gravaCDFeTagResponse"> <xs:sequence> <xs:element name="return" type="tns:wsResult" minOccurs="0"/> <xs:element name="token" type="tns:wsToken" minOccurs="0"/>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

element gravaCDFeTagResponse/return

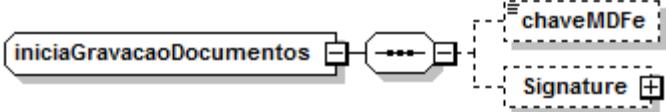
diagram		
type	tns:wsResult	
properties	minOcc 0 maxOcc 1 content simple	
facets	Kind	Value
	enumeration	SUCESSO
	enumeration	CHAMADA_ASSINCRONA_NAO_FINALIZADA
	enumeration	ERRO_DECONHECIDO
	enumeration	ERRO_PARAMETROS_INVALIDOS
	enumeration	ERRO_NAO_APROVADO
	enumeration	ERRO_ASSINATURA_INVALIDA
	enumeration	ERRO_PERMISSAO
	enumeration	ERRO_TOKEN_INVALIDO
	enumeration	ERRO_CID_NAO_ENCONTRADA
	enumeration	ERRO_FABRICA_NAO_ENCONTRADA
	enumeration	ERRO_OPERADORA_NAO_ENCONTRADA
	enumeration	ERRO_CID_NAO_PERTENCE_FABRICA
	enumeration	ERRO_ECT_NAO_ENCONTRADO
	enumeration	ERRO_FALHA_COMUNICACAO_ECT
	enumeration	ERRO_FALHA_DE_DADOS_ECT
	enumeration	ERRO_FALHA_VALIDACAO_ECT
	enumeration	ERRO_CID_NAO_PODE_SER_VENDIDA
	enumeration	ERRO_VEICULO_NAO_ENCONTRADO
	enumeration	ERRO_USUARIO_NAO_ENCONTRADO
	enumeration	ERRO_CHAVES_NAO_ENCONTRADAS
	enumeration	ERRO_PERFIL_NAO_ENCONTRADO

	enumeration ERRO_CARGA_NAO_ENCONTRADA enumeration DOCUMENTO_ADICIONADO enumeration DOCUMENTO_VALIDO enumeration ERRO_DOCUMENTO_INVALIDO enumeration ERRO_FALTA_DOCUMENTOS enumeration ERRO_GRAVACAO_CDFE enumeration CANCELADA_GRAVACAO_CDFE enumeration ERRO_OBUID_NAO_ENCONTRADO enumeration ERRO_CDFE_NAO_ENCONTRADO enumeration ERRO_FALHA_GERACAO_OBUID enumeration ERRO_CDFE_NAO_ENCERRADO enumeration ERRO_NAO_HA_CARGA_ASSOCIADA
source	<xs:element name="return" type="tns:wsResult" minOccurs="0"/>

element gravaCDFeTagResponse/token

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

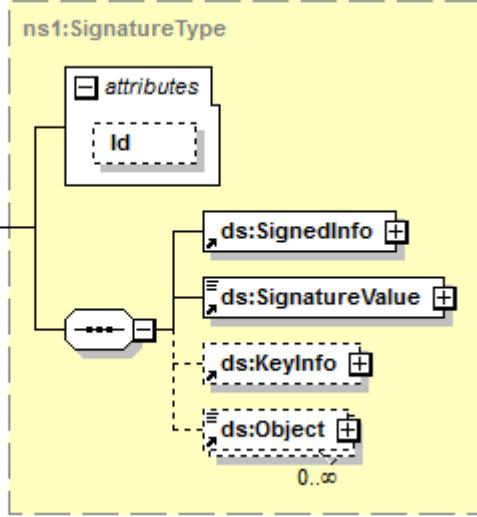
complexType iniciaGravacaoDocumentos

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

element iniciaGravacaoDocumentos/chaveMDFe

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

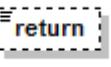
element **iniciaGravacaoDocumentos/Signature**

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												
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Name	Type	Use	Default	Fixed	Annotation								
Id	xs:ID	optional											
source	<code><xs:element name="Signature" type="ns1:SignatureType" minOccurs="0"/></code>												

complexType **iniciaGravacaoDocumentosResponse**

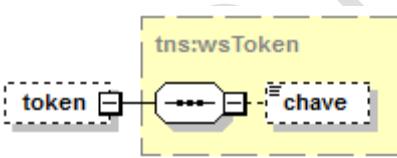
diagram	
namespace	http://webservices.brasil-id.org.br/cdfe/
children	return token
used by	element iniciaGravacaoDocumentosResponse
source	<pre> <xs:complexType name="iniciaGravacaoDocumentosResponse"> <xs:sequence> <xs:element name="return" type="tns:wsResult" minOccurs="0"/> <xs:element name="token"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

element iniciaGravacaoDocumentosResponse/return

diagram	 return	
type	tns:wsResult	
properties	minOcc 0 maxOcc 1 content simple	
facets	Kind	Value
	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_CID_NAO_ENCONTRADA
	enumeration	ERRO_FABRICA_NAO_ENCONTRADA
	enumeration	ERRO_OPERADORA_NAO_ENCONTRADA
	enumeration	ERRO_CID_NAO_PERTENCE_FABRICA
	enumeration	ERRO_ECT_NAO_ENCONTRADO
	enumeration	ERRO_FALHA_COMUNICACAO_ECT
	enumeration	ERRO_FALHA_DE_DADOS_ECT
	enumeration	ERRO_FALHA_VALIDACAO_ECT
	enumeration	ERRO_CID_NAO_PODE_SER_VENDIDA
	enumeration	ERRO_VEICULO_NAO_ENCONTRADO
	enumeration	ERRO_USUARIO_NAO_ENCONTRADO
	enumeration	ERRO_CHAVES_NAO_ENCONTRADAS
	enumeration	ERRO_PERFIL_NAO_ENCONTRADO

	enumeration ERRO_CARGA_NAO_ENCONTRADA enumeration DOCUMENTO_ADICIONADO enumeration DOCUMENTO_VALIDO enumeration ERRO_DOCUMENTO_INVALIDO enumeration ERRO_FALTA_DOCUMENTOS enumeration ERRO_GRAVACAO_CDFE enumeration CANCELADA_GRAVACAO_CDFE enumeration ERRO_OBUID_NAO_ENCONTRADO enumeration ERRO_CDFE_NAO_ENCONTRADO enumeration ERRO_FALHA_GERACAO_OBUID enumeration ERRO_CDFE_NAO_ENCERRADO enumeration ERRO_NAO_HA_CARGA_ASSOCIADA
source	<xs:element name="return" type="tns:wsResult" minOccurs="0"/>

element **iniciaGravacaoDocumentosResponse/token**

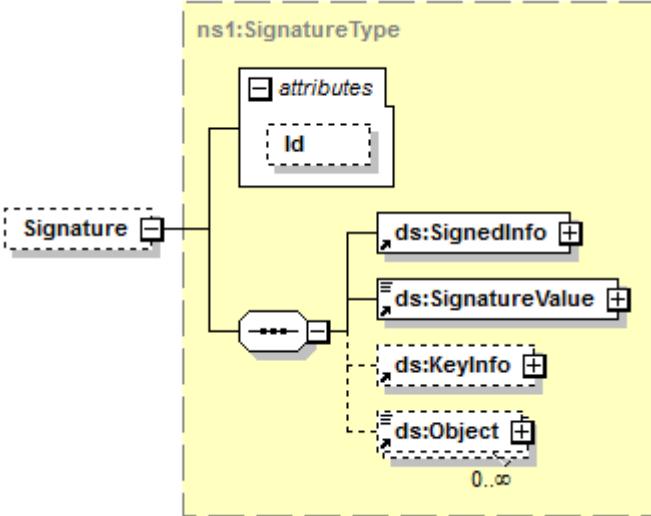
diagram	
type	tns:wsToken
properties	minOcc 0 maxOcc 1 content complex
children	chave
source	<xs:element name="token" type="tns:wsToken" minOccurs="0"/>

complexType **inicializaCDFeTag**

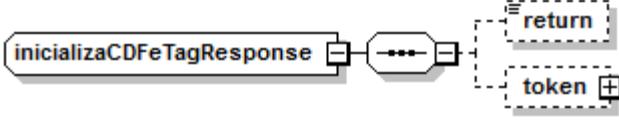
diagram	
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namespace	http://webservices.brasil-id.org.br/cdfe/
children	Signature
used by	element inicializaCDFeTag
source	<pre><xs:complexType name="inicializaCDFeTag"> <xs:sequence> <xs:element name="Signature" type="ns1:SignatureType" minOccurs="0"/>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

element inicializaCDFeTag/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												
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Name	Type	Use	Default	Fixed	Annotation								
Id	xs:ID	optional											
source	<pre><xs:element name="Signature" type="ns1:SignatureType" minOccurs="0"/></pre>												

complexType **inicializaCDFeTagResponse**

diagram	
namespace	http://webservices.brasil-id.org.br/cdfe/
children	return token
used by	element inicializaCDFeTagResponse
source	<pre><xs:complexType name="inicializaCDFeTagResponse"> <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 **inicializaCDFeTagResponse/return**

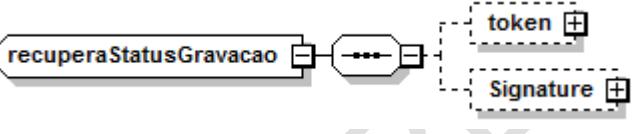
diagram																																					
type	tns:wsResult																																				
properties	<p>minOcc 0</p> <p>maxOcc 1</p> <p>content simple</p>																																				
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source	<xs:element name="return" type="tns:wsResult" minOccurs="0"/>

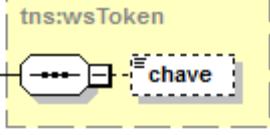
element inicializaCDFeTagResponse/token

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

complexType recuperarStatusGravacao

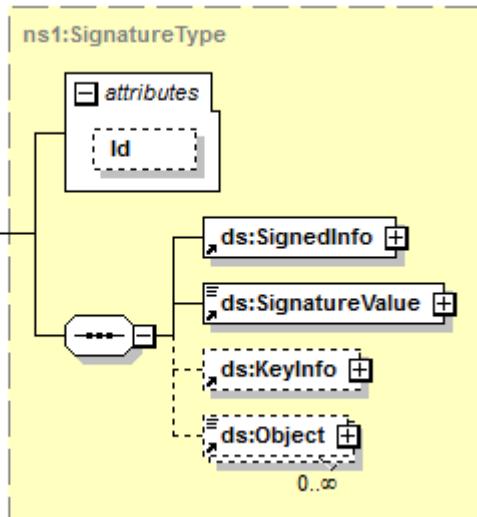
diagram	
namespace	http://webservices.brasil-id.org.br/cdfe/
children	token Signature
used by	element recuperarStatusGravacao
source	<pre><xs:complexType name="recuperarStatusGravacao"> <xs:sequence> <xs:element name="token" type="tns:wsToken" minOccurs="0"/> <xs:element name="Signature" type="ns1:SignatureType"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

element recuperarStatusGravacao/token

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

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

element recuperarStatusGravacao/Signature

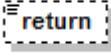
diagram	 <pre> classDiagram class ns1::SignatureType { attributes Id associations *--> ds::SignedInfo *--> ds::SignatureValue *--> ds::KeyInfo *--> ds::Object } </pre>												
type	ds:SignatureType												
properties	minOcc 0 maxOcc 1 content complex												
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Name	Type	Use	Default	Fixed	Annotation								
Id	xs:ID	optional											
source	<xs:element name="Signature" type="ns1:SignatureType" minOccurs="0"/>												

complexType recuperarStatusGravacaoResponse

diagram	 <pre> sequenceDiagram participant Caller participant Service Caller->>Service: recuperarStatusGravacaoResponse... activate Service Service->>Caller: return deactivate Service </pre>
namespace	http://webservices.brasil-id.org.br/cdfe/
children	return
used by	element recuperarStatusGravacaoResponse
source	<xs:complexType name="recuperarStatusGravacaoResponse"> <xs:sequence> <xs:element name="return" type="tns:wsResult" minOccurs="0"/> </xs:sequence> </xs:complexType>

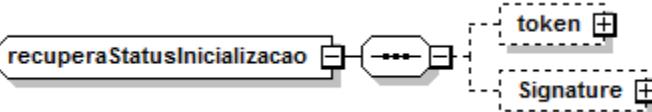
	</xs:sequence> </xs:complexType>
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element recuperarStatusGravacaoResponse/return

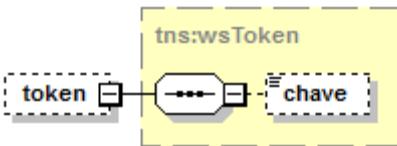
diagram																																																												
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	enumeration ERRO_USUARIO_NAO_ENCONTRADO enumeration ERRO_CHAVES_NAO_ENCONTRADAS enumeration ERRO_PERFIL_NAO_ENCONTRADO enumeration ERRO_CARGA_NAO_ENCONTRADA enumeration DOCUMENTO_ADICIONADO enumeration DOCUMENTO_VALIDO enumeration ERRO_DOCUMENTO_INVALIDO enumeration ERRO_FALTA_DOCUMENTOS enumeration ERRO_GRAVACAO_CDFE enumeration CANCELADA_GRAVACAO_CDFE enumeration ERRO_OBUID_NAO_ENCONTRADO enumeration ERRO_CDFE_NAO_ENCONTRADO enumeration ERRO_FALHA_GERACAO_OBUID enumeration ERRO_CDFE_NAO_ENCERRADO enumeration ERRO_NAO_HA_CARGA_ASSOCIADA
source	<pre><xs:element name="return" type="tns:wsResult" minOccurs="0"/></pre>

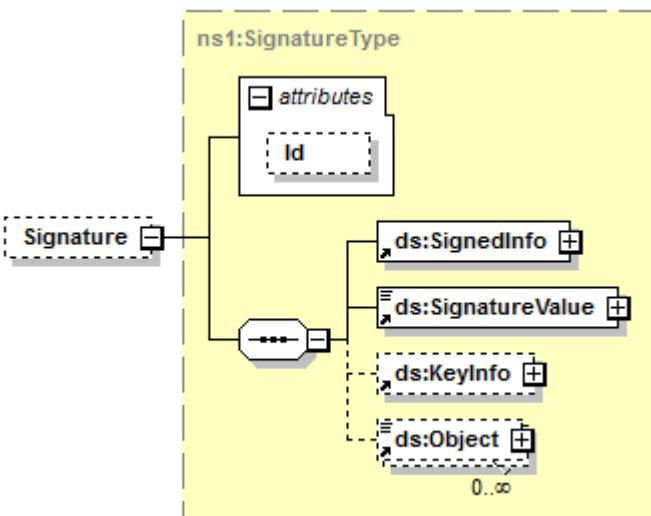
complexType recuperarStatusInicializacao

diagram	
namespace	http://webservices.brasil-id.org.br/cdf/e/
children	token Signature
used by	element recuperarStatusInicializacao
source	<pre><xs:complexType name="recuperarStatusInicializacao"> <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>

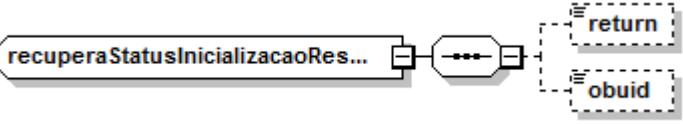
element recuperaStatusInicializacao/token

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>

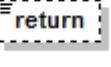
element recuperaStatusInicializacao/Signature

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

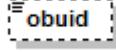
diagram	
namespace	http://webservices.brasil-id.org.br/cdfe/
children	return obuid
used by	element recuperarStatusInicializacaoResponse
source	<pre><xs:complexType name="recuperarStatusInicializacaoResponse"> <xs:sequence> <xs:element name="return" type="tns:wsResult" minOccurs="0"/> <xs:element name="obuid"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

element recuperarStatusInicializacaoResponse/return

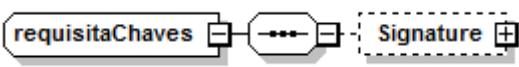
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type	tns:wsResult																														
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source	<xs:element name="return" type="tns:wsResult" minOccurs="0"/>

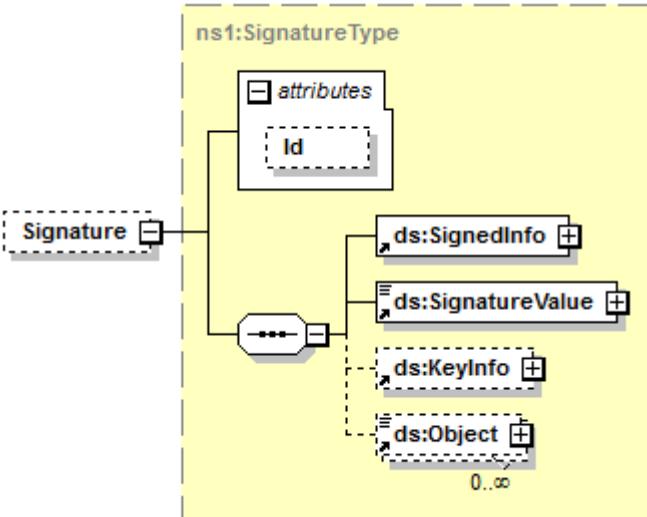
element recuperaStatusInicializacaoResponse/obuid

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

complexType requisitaChaves

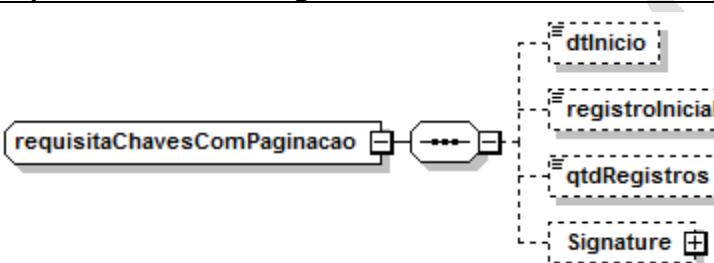
diagram	
namespace	http://webservices.brasil-id.org.br/cdfe/
children	Signature
used by	element requisitaChaves
source	<pre><xs:complexType name="requisitaChaves"> <xs:sequence> <xs:element name="Signature" type="ns1:SignatureType" minOccurs="0"/> </xs:sequence> </xs:complexType></pre>

element requisitaChaves/Signature

diagram	
type	ds:SignatureType

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

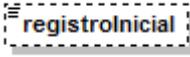
complexType requisitaChavesComPaginacao

diagram	
namespace	http://webservices.brasil-id.org.br/cdfe/
children	dtInicio registroInicial qtdRegistros Signature
used by	element requisitaChavesComPaginacao
source	<pre> <xs:complexType name="requisitaChavesComPaginacao"> <xs:sequence> <xs:element name="dtInicio" type="xs:dateTime" minOccurs="0"/> <xs:element name="registroInicial" type="xs:int" minOccurs="0"/> <xs:element name="qtdRegistros" type="xs:int" minOccurs="0"/> <xs:element name="Signature" type="ns1:SignatureType" minOccurs="0"/> </xs:sequence> </xs:complexType> </pre>

element requisitaChavesComPaginacao/dtInicio

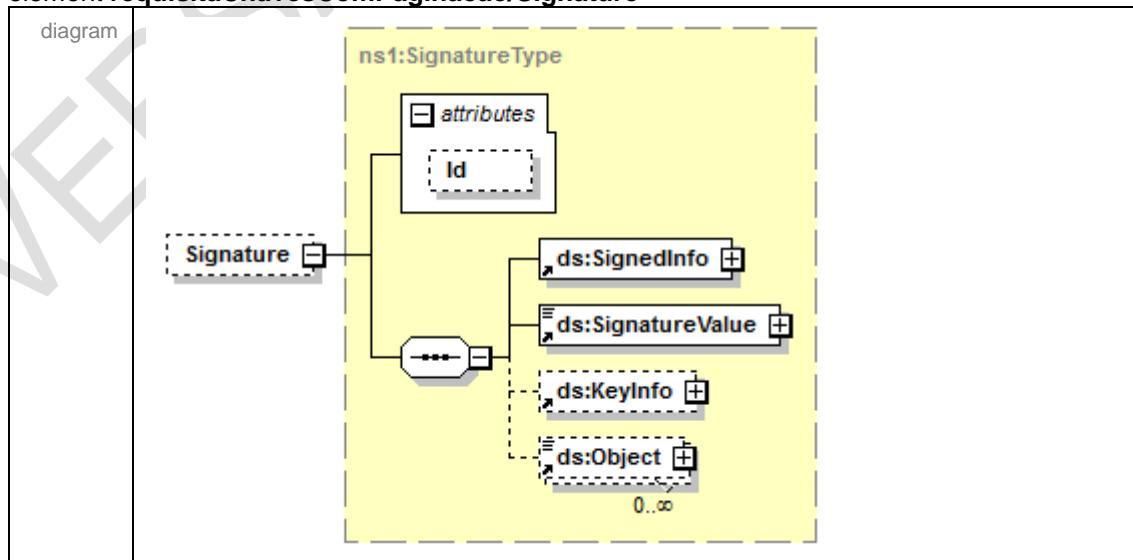
diagram	
type	xs:dateTime
properties	minOcc 0 maxOcc 1 content simple
source	<code><xs:element name="dtInicio" type="xs:dateTime" minOccurs="0"/></code>

element requisitaChavesComPaginacao/registroInicial

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

element requisitaChavesComPaginacao/qtdRegistros

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

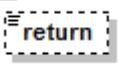
element requisitaChavesComPaginacao/Signature

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 requisitaChavesComPaginacaoResponse

diagram	
namespace	http://webservices.brasil-id.org.br/cdf-e/
children	return chaves
used by	element requisitaChavesComPaginacaoResponse
source	<pre><xs:complexType name="requisitaChavesComPaginacaoResponse"> <xs:sequence> <xs:element name="return" type="tns:wsResult" minOccurs="0"/> <xs:element name="chaves" type="tns:wsKey" nillable="true" minOccurs="0" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType></pre>

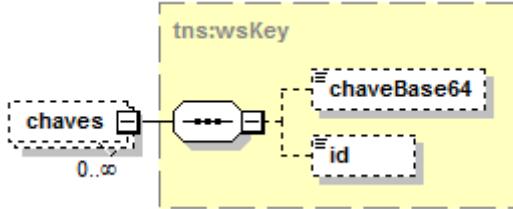
element requisitaChavesComPaginacaoResponse/return

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> </tbody> </table>	Kind	Value	Annotation	enumeration	SUCESSO	
Kind	Value	Annotation					
enumeration	SUCESSO						

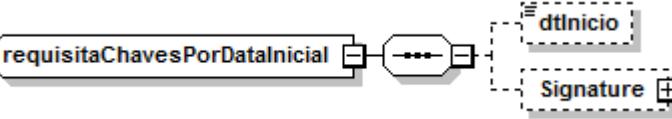
	enumeration CHAMADA_ASSINCRONA_NAO_FINALIZADA
	enumeration ERRO_DESCONHECIDO
	enumeration ERRO_PARAMETROS_INVALIDOS
	enumeration ERRO_NAO_APROVADO
	enumeration ERRO_ASSINATURA_INVALIDA
	enumeration ERRO_PERMISSAO
	enumeration ERRO_TOKEN_INVALIDO
	enumeration ERRO_CID_NAO_ENCONTRADA
	enumeration ERRO_FABRICA_NAO_ENCONTRADA
	enumeration ERRO_OPERADORA_NAO_ENCONTRADA
	enumeration ERRO_CID_NAO_PERTENCE_FABRICA
	enumeration ERRO_ECT_NAO_ENCONTRADO
	enumeration ERRO_FALHA_COMUNICACAO_ECT
	enumeration ERRO_FALHA_DE_DADOS_ECT
	enumeration ERRO_FALHA_VALIDACAO_ECT
	enumeration ERRO_CID_NAO_PODE_SER_VENDIDA
	enumeration ERRO_VEICULO_NAO_ENCONTRADO
	enumeration ERRO_USUARIO_NAO_ENCONTRADO
	enumeration ERRO_CHAVES_NAO_ENCONTRADAS
	enumeration ERRO_PERFIL_NAO_ENCONTRADO
	enumeration ERRO_CARGA_NAO_ENCONTRADA
	enumeration DOCUMENTO_ADICIONADO
	enumeration DOCUMENTO_VALIDO
	enumeration ERRO_DOCUMENTO_INVALIDO
	enumeration ERRO_FALTA_DOCUMENTOS
	enumeration ERRO_GRAVACAO_CDFE
	enumeration CANCELADA_GRAVACAO_CDFE
	enumeration ERRO_OBUID_NAO_ENCONTRADO

	enumeration ERRO_CDFE_NAO_ENCONTRADO enumeration ERRO_FALHA_GERACAO_OBUID enumeration ERRO_CDFE_NAO_ENCERRADO enumeration ERRO_NAO_HA_CARGA_ASSOCIADA
source	<code><xs:element name="return" type="tns:wsResult" minOccurs="0"/></code>

element requisitaChavesComPaginacaoResponse/chaves

diagram	
type	tns:wsKey
properties	minOcc 0 maxOcc unbounded content complex nillable true
children	chaveBase64 id
source	<code><xs:element name="chaves" type="tns:wsKey" nillable="true" minOccurs="0" maxOccurs="unbounded"/></code>

complexType requisitaChavesPorDataInicial

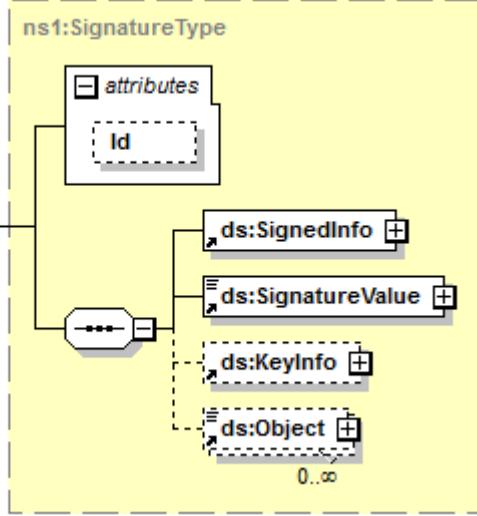
diagram	
namespace	http://webservices.brasil-id.org.br/cdfe/
children	dtInicio Signature
used by	element requisitaChavesPorDataInicial
source	<pre><xs:complexType name="requisitaChavesPorDataInicial"> <xs:sequence> <xs:element name="dtInicio" type="xs:dateTime" minOccurs="0"/> <xs:element name="Signature"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

	<code></xs:complexType></code>
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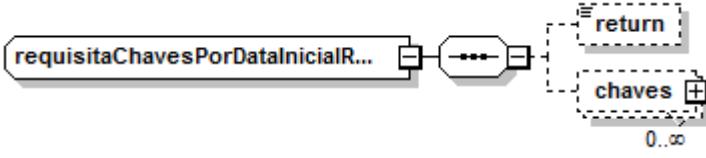
element requisitaChavesPorDataInicial/dtInicio

diagram	
type	<code>xs:dateTime</code>
properties	<p>minOcc 0</p> <p>maxOcc 1</p> <p>content simple</p>
source	<code><xs:element name="dtInicio" type="xs:dateTime" minOccurs="0"/></code>

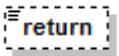
element requisitaChavesPorDataInicial/Signature

diagram													
type	<code>ds:SignatureType</code>												
properties	<p>minOcc 0</p> <p>maxOcc 1</p> <p>content complex</p>												
children	<code>ds:SignedInfo ds:SignatureValue ds:KeyInfo ds:Object</code>												
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source	<code><xs:element name="Signature" type="ns1:SignatureType" minOccurs="0"/></code>												

complexType requisitaChavesPorDataInicialResponse

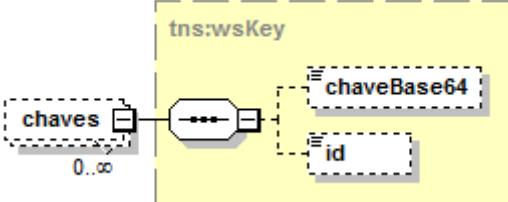
diagram	
namespace	http://webservices.brasil-id.org.br/cdfe/
children	return chaves
used by	element requisitaChavesPorDataInicialResponse
source	<pre><xs:complexType name="requisitaChavesPorDataInicialResponse"> <xs:sequence> <xs:element name="return" type="tns:wsResult" minOccurs="0"/> <xs:element name="chaves"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

element requisitaChavesPorDataInicialResponse/return

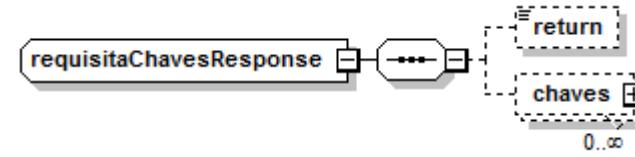
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source	<xs:element name="return" type="tns:wsResult" minOccurs="0"/>

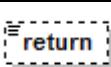
element requisitaChavesPorDataInicialResponse/chaves

diagram	
type	tns:wsKey
properties	<p>minOcc 0</p> <p>maxOcc unbounded</p> <p>content complex</p> <p>nillable true</p>
children	chaveBase64 id
source	<pre><xs:element name="chaves" type="tns:wsKey" nillable="true" minOccurs="0" maxOccurs="unbounded"/></pre>

complexType requisitaChavesResponse

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

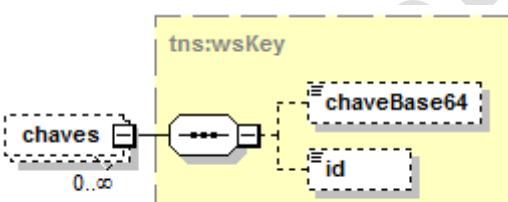
element requisitaChavesResponse/return

diagram	
type	tns:wsResult

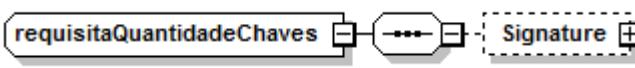
properties	minOcc 0 maxOcc 1 content simple																																																																													
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source	<xs:element name="return" type="tns:wsResult" minOccurs="0"/>

element requisitaChavesResponse/chaves

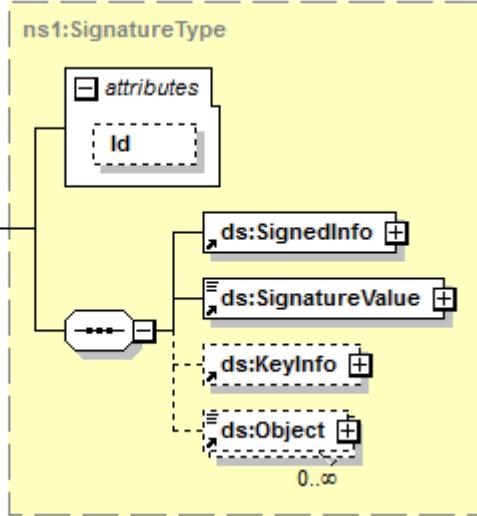
diagram	
type	tns:wsKey
properties	minOcc 0 maxOcc unbounded content complex nillable true
children	chaveBase64 id
source	<xs:element name="chaves" type="tns:wsKey" nillable="true" minOccurs="0" maxOccurs="unbounded"/>

complexType requisitaQuantidadeChaves

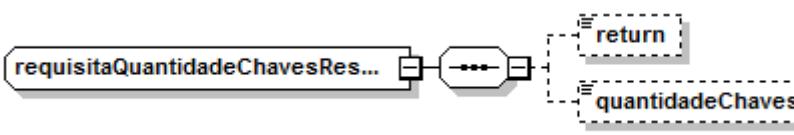
diagram	
namespace	http://webservices.brasil-id.org.br/cdfe/

children	Signature
used by	element requisitaQuantidadeChaves
source	<pre><xs:complexType name="requisitaQuantidadeChaves"> <xs:sequence> <xs:element name="Signature" type="ns1:SignatureType" minOccurs="0"/> </xs:sequence> </xs:complexType></pre>

element requisitaQuantidadeChaves/Signature

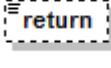
diagram													
type	ds:SignatureType												
properties	minOcc 0 maxOcc 1 content complex												
children	ds:SignedInfo ds:SignatureValue ds:KeyInfo ds:Object												
attributes	<table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation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

complexType requisitaQuantidadeChavesResponse

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

element [requisitaQuantidadeChavesResponse/return](#)

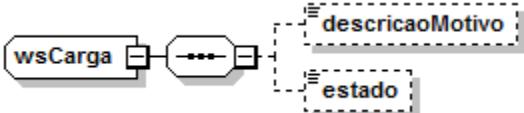
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source	<xs:element name="return" type="tns:wsResult" minOccurs="0"/>

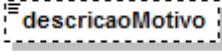
element requisitaQuantidadeChavesResponse/quantidadeChaves

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

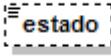
complexType wsCarga

diagram	
namespace	http://webservices.brasil-id.org.br/cdfe/
children	descricaoMotivo estado
used by	element encerraTransporte/carga
source	<pre><xs:complexType name="wsCarga"> <xs:sequence> <xs:element name="descricaoMotivo" type="xs:string" minOccurs="0"/> <xs:element name="estado" type="tns:estadoCarga" minOccurs="0"/> </xs:sequence> </xs:complexType></pre>

element wsCarga/descricaoMotivo

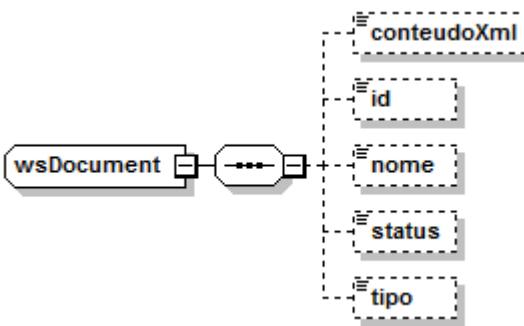
diagram	
type	xs:string
properties	minOcc 0 maxOcc 1 content simple
source	<pre><xs:element name="descricaoMotivo" type="xs:string" minOccurs="0"/></pre>

element wsCarga/estado

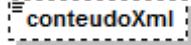
diagram							
type	tns:estadoCarga						
properties	minOcc 0 maxOcc 1 content simple						
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	enumeration EM_TRANSPORTE enumeration ENTREGUE enumeration CANCELADA enumeration RETORNADA enumeration REFUGADA enumeration EXTRAVIADA enumeration OUTROS
source	<xs:element name="estado" type="tns:estadoCarga" minOccurs="0"/>

complexType wsDocument

diagram	 <pre> classDiagram wsDocument { conteudoXml id nome status } </pre>
namespace	http://webservices.brasil-id.org.br/cdfe/
children	conteudoXml id nome status tipo
used by	elements adicionaDocumento/documento buscaDocumentosMDFeResponse/listaDocumentos finalizaGravacaoDocumentosResponse/statusDocumentos
source	<pre> <xs:complexType name="wsDocument"> <xs:sequence> <xs:element name="conteudoXml" type="xs:string" minOccurs="0"/> <xs:element name="id" type="xs:string" minOccurs="0"/> <xs:element name="nome" type="xs:string" minOccurs="0"/> <xs:element name="status" type="tns:wsResult" minOccurs="0"/> <xs:element name="tipo" type="tns:estadoDocument" minOccurs="0"/> </xs:sequence> </xs:complexType> </pre>

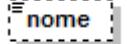
element wsDocument/conteudoXml

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

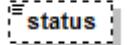
element wsDocument/id

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

element wsDocument/nome

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

element wsDocument/status

diagram	 status
type	tns:wsResult

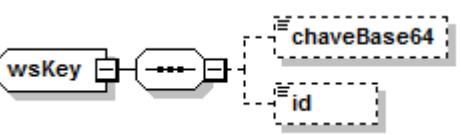
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	enumeration ERRO_DOCUMENTO_INVALIDO enumeration ERRO_FALTA_DOCUMENTOS enumeration ERRO_GRAVACAO_CDFE enumeration CANCELADA_GRAVACAO_CDFE enumeration ERRO_OBUID_NAO_ENCONTRADO enumeration ERRO_CDFE_NAO_ENCONTRADO enumeration ERRO_FALHA_GERACAO_OBUID enumeration ERRO_CDFE_NAO_ENCERRADO enumeration ERRO_NAO_HA_CARGA_ASSOCIADA
source	<xs:element name="status" type="tns:wsResult" minOccurs="0"/>

element wsDocument/tipo

diagram													
type	tns:estadoDocument												
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>MDFe</td> <td></td> </tr> <tr> <td>enumeration</td> <td>CTe</td> <td></td> </tr> <tr> <td>enumeration</td> <td>NFe</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	enumeration	MDFe		enumeration	CTe		enumeration	NFe	
Kind	Value	Annotation											
enumeration	MDFe												
enumeration	CTe												
enumeration	NFe												
source	<xs:element name="tipo" type="tns:estadoDocument" minOccurs="0"/>												

complexType wsKey

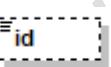
diagram	
namespace	http://webservices.brasil-id.org.br/cdf/

children	chaveBase64 id
used by	elements requisitaChavesResponse/chaves requisitaChavesComPaqinacaoResponse/chaves requisitaChavesPorDataInicialResponse/chaves
source	<pre><xs:complexType name="wsKey"> <xs:sequence> <xs:element name="chaveBase64" type="xs:string" minOccurs="0"/> <xs:element name="id" type="xs:long" minOccurs="0"/> </xs:sequence> </xs:complexType></pre>

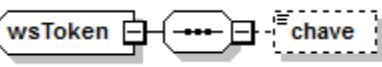
element wsKey/chaveBase64

diagram	
type	xs:string
properties	minOcc 0 maxOcc 1 content simple
source	<code><xs:element name="chaveBase64" type="xs:string" minOccurs="0"/></code>

element wsKey/id

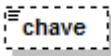
diagram	
type	xs:long
properties	minOcc 0 maxOcc 1 content simple
source	<code><xs:element name="id" type="xs:long" minOccurs="0"/></code>

complexType wsToken

diagram	
namespace	http://webservices.brasil-id.org.br/cdfe/
children	chave

used by	elements gravaCDFeSmartCard/token adicionaDocumento/token inicializaCDFeTagResponse/token finalizaGravacaoDocumentos/token gravaCDFeTagResponse/token recuperaStatusGravacao/token iniciaGravacaoDocumentosResponse/token recuperaStatusInicializacao/token
source	<pre><xs:complexType name="wsToken"> <xs:sequence> <xs:element name="chave" type="xs:string" minOccurs="0"/> </xs:sequence> </xs:complexType></pre>

element wsToken/chave

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

simpleType estadoCarga

namespace	http://webservices.brasil-id.org.br/cdfe/																													
type	restriction of xs:string																													
properties	base xs:string																													
used by	element wsCarga/estado																													
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>enumeration</td> <td>CRIADA</td> <td></td> </tr> <tr> <td>enumeration</td> <td>EM_TRANSPORTE</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ENTREGUE</td> <td></td> </tr> <tr> <td>enumeration</td> <td>CANCELADA</td> <td></td> </tr> <tr> <td>enumeration</td> <td>RETORNADA</td> <td></td> </tr> <tr> <td>enumeration</td> <td>REFUGADA</td> <td></td> </tr> <tr> <td>enumeration</td> <td>EXTRAVIADA</td> <td></td> </tr> <tr> <td>enumeration</td> <td>OUTROS</td> <td></td> </tr> </tbody> </table>			Kind	Value	Annotation	enumeration	CRIADA		enumeration	EM_TRANSPORTE		enumeration	ENTREGUE		enumeration	CANCELADA		enumeration	RETORNADA		enumeration	REFUGADA		enumeration	EXTRAVIADA		enumeration	OUTROS	
Kind	Value	Annotation																												
enumeration	CRIADA																													
enumeration	EM_TRANSPORTE																													
enumeration	ENTREGUE																													
enumeration	CANCELADA																													
enumeration	RETORNADA																													
enumeration	REFUGADA																													
enumeration	EXTRAVIADA																													
enumeration	OUTROS																													

source	<pre><xs:simpleType name="estadoCarga"> <xs:restriction base="xs:string"> <xs:enumeration value="CRIADA"/> <xs:enumeration value="EM_TRANSPORTE"/> <xs:enumeration value="ENTREGUE"/> <xs:enumeration value="CANCELADA"/> <xs:enumeration value="RETORNADA"/> <xs:enumeration value="REFUGADA"/> <xs:enumeration value="EXTRAVIADA"/> <xs:enumeration value="OUTROS"/> </xs:restriction> </xs:simpleType></pre>
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simpleType estadoDocument

namespace	http://webservices.brasil-id.org.br/cdfe/														
type	restriction of xs:string														
properties	base xs:string														
used by	element wsDocument/tipo														
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>enumeration</td> <td>MDFe</td> <td></td> </tr> <tr> <td>enumeration</td> <td>CTe</td> <td></td> </tr> <tr> <td>enumeration</td> <td>NFe</td> <td></td> </tr> </tbody> </table>			Kind	Value	Annotation	enumeration	MDFe		enumeration	CTe		enumeration	NFe	
Kind	Value	Annotation													
enumeration	MDFe														
enumeration	CTe														
enumeration	NFe														
source	<pre><xs:simpleType name="estadoDocument"> <xs:restriction base="xs:string"> <xs:enumeration value="MDFe"/> <xs:enumeration value="CTe"/> <xs:enumeration value="NFe"/> </xs:restriction> </xs:simpleType></pre>														

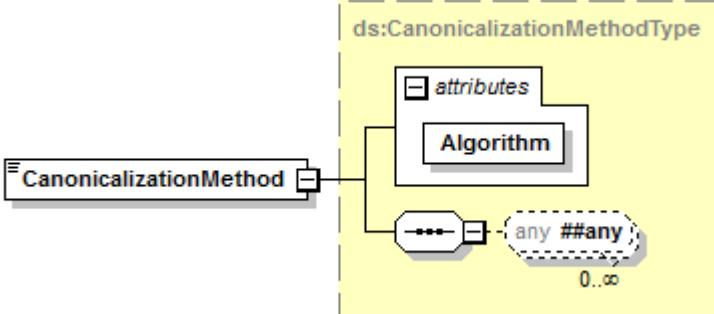
simpleType wsResult

namespace	http://webservices.brasil-id.org.br/cdfe/		
type	restriction of xs:string		
properties	base xs:string		
used by	elements requisitaChavesResponse/return requisitaQuantidadeChavesResponse/return buscaDocumentosMDFeResponse/return encerraTransporteResponse/return requisitaChavesComPaginacaoResponse/return gravaCDFeSmartCardResponse/return adicionaDocumentoResponse/return inicializaCDFeTagResponse/return finalizaGravacaoDocumentosResponse/return requisitaChavesPorDataInicialResponse/return		

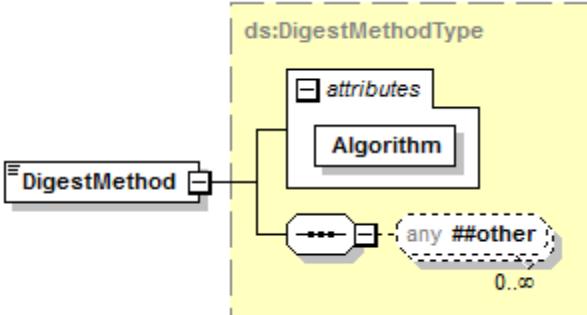
	associaCDFeTagResponse/return gravaCDFeTagResponse/return recuperaStatusGravacaoResponse/return iniciaGravacaoDocumentosResponse/return recuperaStatusInicializacaoResponse/return wsDocument/status	
facets	Kind	Value
	enumeration	SUCESSO
	enumeration	CHAMADA_ASSINCRONA_NAO_FINALIZADA
	enumeration	ERRO_DESCONHECIDO
	enumeration	ERRO_PARAMETROS_INVALIDOS
	enumeration	ERRO_NAO_APROVADO
	enumeration	ERRO_ASSINATURA_INVALIDA
	enumeration	ERRO_PERMISSAO
	enumeration	ERRO_TOKEN_INVALIDO
	enumeration	ERRO_CID_NAO_ENCONTRADA
	enumeration	ERRO_FABRICA_NAO_ENCONTRADA
	enumeration	ERRO_OPERADORA_NAO_ENCONTRADA
	enumeration	ERRO_CID_NAO_PERTENCE_FABRICA
	enumeration	ERRO_ECT_NAO_ENCONTRADO
	enumeration	ERRO_FALHA_COMUNICACAO_ECT
	enumeration	ERRO_FALHA_DE_DADOS_ECT
	enumeration	ERRO_FALHA_VALIDACAO_ECT
	enumeration	ERRO_CID_NAO_PODE_SER_VENDIDA
	enumeration	ERRO_VEICULO_NAO_ENCONTRADO
	enumeration	ERRO_USUARIO_NAO_ENCONTRADO
	enumeration	ERRO_CHAVES_NAO_ENCONTRADAS
	enumeration	ERRO_PERFIL_NAO_ENCONTRADO
	enumeration	ERRO_CARGA_NAO_ENCONTRADA
	enumeration	DOCUMENTO_ADICIONADO
	enumeration	DOCUMENTO_VALIDO
	enumeration	ERRO_DOCUMENTO_INVALIDO

	enumeration ERRO_FALTA_DOCUMENTOS enumeration ERRO_GRAVACAO_CDFE enumeration CANCELADA_GRAVACAO_CDFE enumeration ERRO_OBUID_NAO_ENCONTRADO enumeration ERRO_CDFE_NAO_ENCONTRADO enumeration ERRO_FALHA_GERACAO_OBUID enumeration ERRO_CDFE_NAO_ENCERRADO enumeration ERRO_NAO_HA_CARGA_ASSOCIADA
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_CID_NAO_ENCONTRADA"/> <xs:enumeration value="ERRO_FABRICA_NAO_ENCONTRADA"/> <xs:enumeration value="ERRO_OPERADORA_NAO_ENCONTRADA"/> <xs:enumeration value="ERRO_CID_NAO_PERTENCE_FABRICA"/> <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_CID_NAO_PODE_SER_VENDIDA"/> <xs:enumeration value="ERRO_VEICULO_NAO_ENCONTRADO"/> <xs:enumeration value="ERRO_USUARIO_NAO_ENCONTRADO"/> <xs:enumeration value="ERRO_CHAVES_NAO_ENCONTRADAS"/> <xs:enumeration value="ERRO_PERFIL_NAO_ENCONTRADO"/> <xs:enumeration value="ERRO_CARGA_NAO_ENCONTRADA"/> <xs:enumeration value="DOCUMENTO_ADICIONADO"/> <xs:enumeration value="DOCUMENTO_VALIDO"/> <xs:enumeration value="ERRO_DOCUMENTO_INVALIDO"/> <xs:enumeration value="ERRO_FALTA_DOCUMENTOS"/> <xs:enumeration value="ERRO_GRAVACAO_CDFE"/> <xs:enumeration value="CANCELADA_GRAVACAO_CDFE"/> <xs:enumeration value="ERRO_OBUID_NAO_ENCONTRADO"/> <xs:enumeration value="ERRO_CDFE_NAO_ENCONTRADO"/> <xs:enumeration value="ERRO_FALHA_GERACAO_OBUID"/> <xs:enumeration value="ERRO_CDFE_NAO_ENCERRADO"/> <xs:enumeration value="ERRO_NAO_HA_CARGA_ASSOCIADA"/> </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

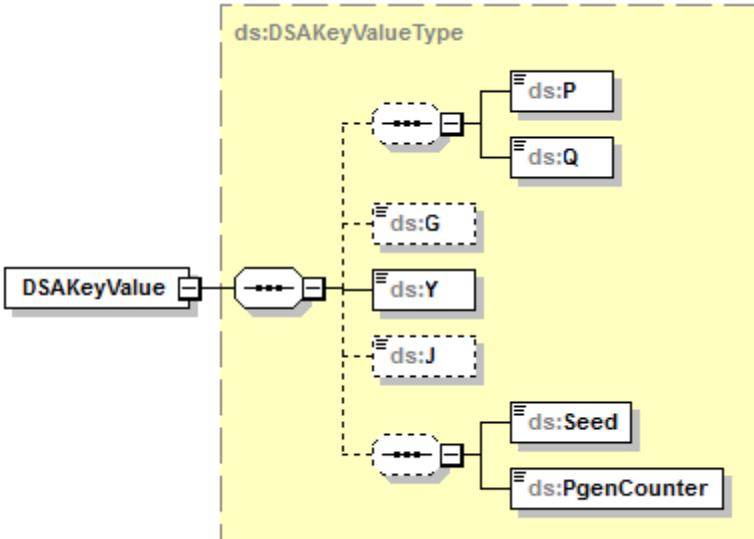
diagram													
namespace	http://www.w3.org/2000/09/xmldsig#												
type	ds:DigestMethodType												
properties	content complex mixed true												
used by	complexType ReferenceType												
attributes	<table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <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	<xs:element name="DigestMethod" type="ds:DigestMethodType"/>
--------	--

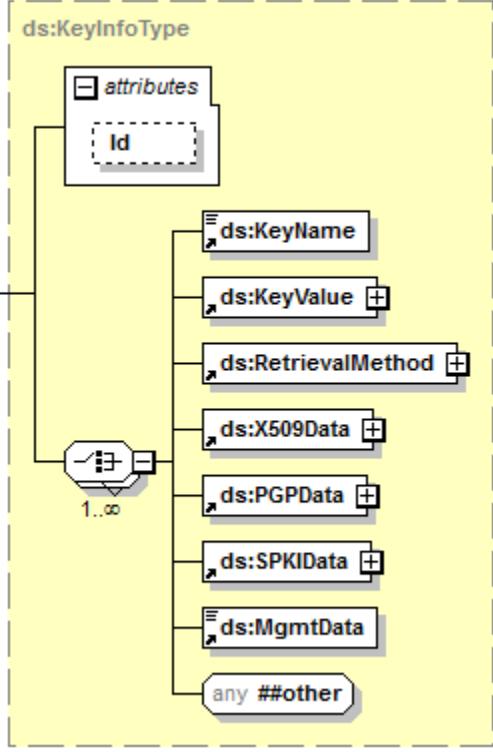
element DigestValue

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

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 KeyValueType
source	<xs:element name="DSAKeyValue" type="ds:DSAKeyValueType"/>

element KeyInfo

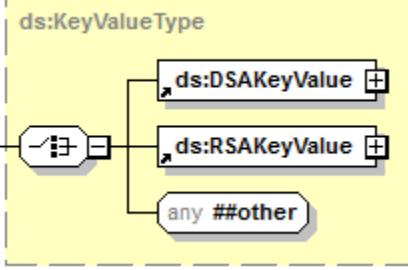
diagram	 <pre> classDiagram class KeyInfo class ds:KeyInfoType { attribute id ds:KeyName ds:KeyValue ds:RetrievalMethod ds:X509Data ds:PGPData ds:SPKIData ds:MgmtData any ##other } KeyInfo "1..∞" --> ds:KeyInfoType </pre>												
namespace	http://www.w3.org/2000/09/xmldsig#												
type	ds:KeyInfoType												
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

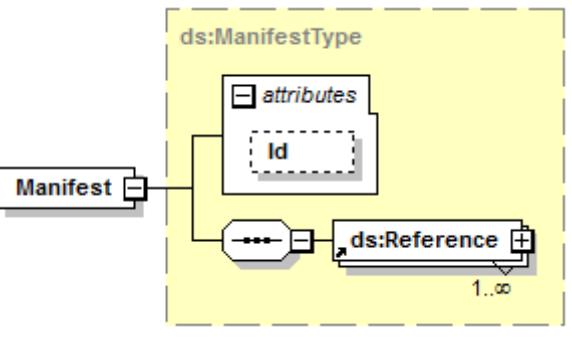
diagram	 <pre> classDiagram class KeyName { xs:string } </pre>
namespace	http://www.w3.org/2000/09/xmldsig#
type	xs:string
properties	content simple
used by	complexType KeyInfoType

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

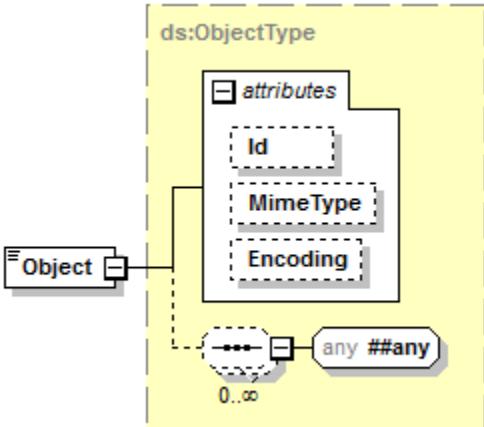
diagram													
namespace	http://www.w3.org/2000/09/xmldsig#												
type	ds:ManifestType												
properties	content complex												
children	ds:Reference												
attributes	<table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</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="Manifest" type="ds:ManifestType"/>
--------	--

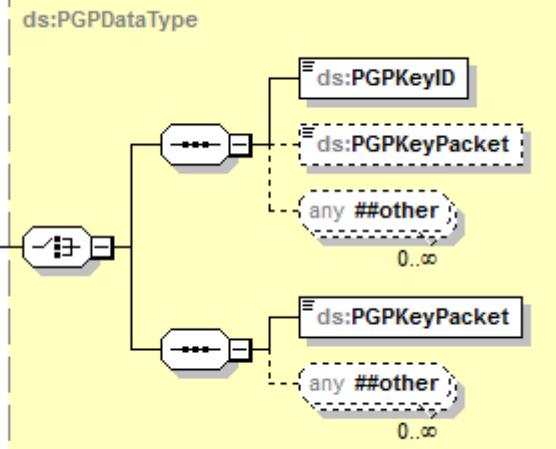
element MgmtData

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"/>

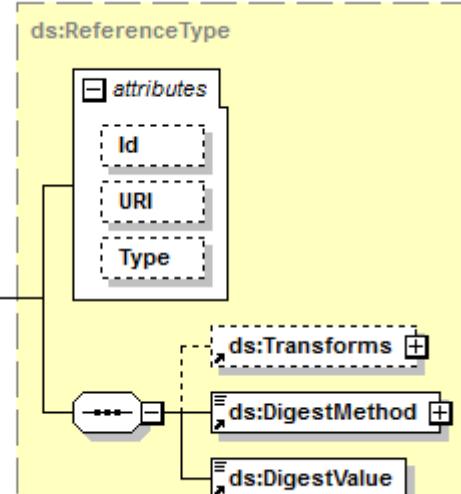
element Object

diagram																									
namespace	http://www.w3.org/2000/09/xmldsig#																								
type	ds:ObjectType																								
properties	content complex mixed true																								
used by	complexType SignatureType																								
attributes	<table> <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	<xs:element name="Object" type="ds:ObjectType"/>																								

element PGPData

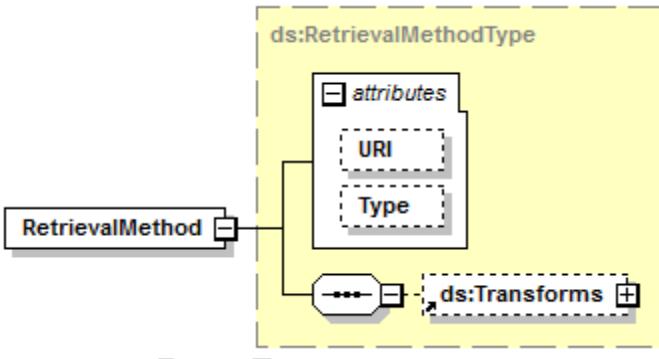
diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
type	ds:PGPDataType
properties	content complex
children	ds:PGPKeyID ds:PGPKeyPacket ds:PGPKeyPacket
used by	complexType KeyInfoType
source	<code><xs:element name="PGPData" type="ds:PGPDataType"/></code>

element Reference

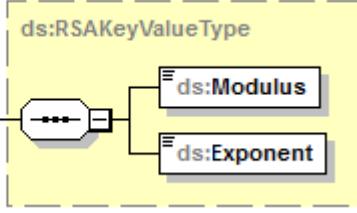
diagram	
namespace	http://www.w3.org/2000/09/xmldsig#

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"/>					

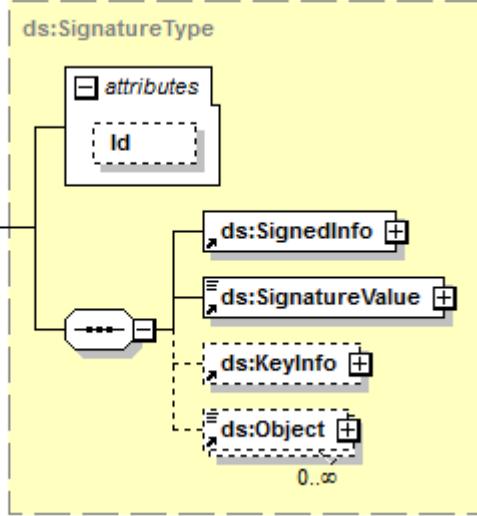
element RetrievalMethod

diagram	 <pre> classDiagram class RetrievalMethod class dsRetrievalMethodType { attribute URI attribute Type element dsTransforms } RetrievalMethod "1" -- "1" dsRetrievalMethodType </pre>																		
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"/>																		

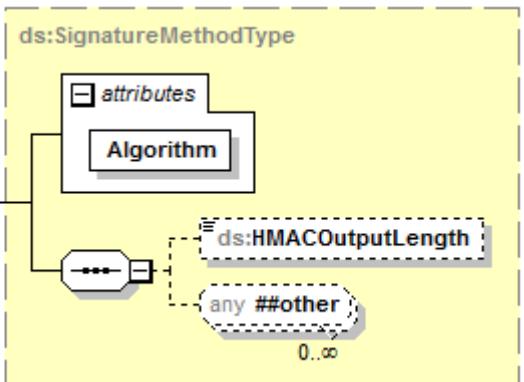
element RSAKeyValue

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	<code><xs:element name="RSAKeyValue" type="ds:RSAKeyValueType"/></code>

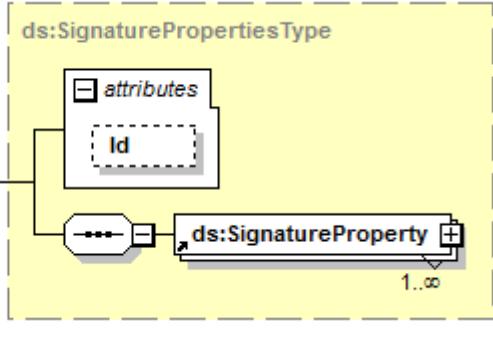
element Signature

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	<code><xs:element name="Signature" type="ds:SignatureType"/></code>												

element SignatureMethod

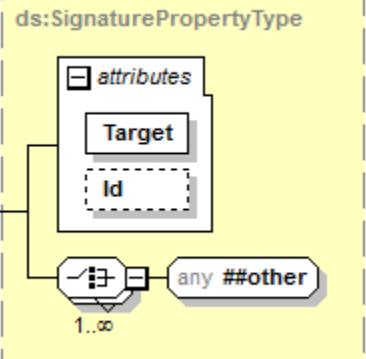
diagram	 <pre> classDiagram class SignatureMethod { <<ds:SignatureMethodType>> } class HMACOutputLength { <<ds:HMACOutputLength>> } SignatureMethod < -- ds:SignatureMethodType ds:SignatureMethodType "0..<<any ##other>>" --> HMACOutputLength ds:SignatureMethodType "0..<<any ##other>>" --> HMACOutputLength ds:SignatureMethodType "0..<<any ##other>>" --> HMACOutputLength </pre>												
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

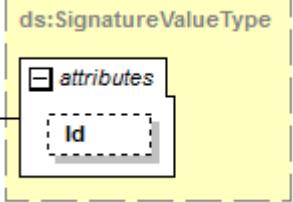
diagram	 <pre> classDiagram class SignatureProperties { <<ds:SignaturePropertiesType>> } class SignatureProperty { <<ds:SignatureProperty>> } SignatureProperties < -- ds:SignaturePropertiesType ds:SignaturePropertiesType "1..<<any ##other>>" --> SignatureProperty </pre>						
namespace	http://www.w3.org/2000/09/xmldsig#						
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> </table>	Name	Type	Use	Default	Fixed	Annotation
Name	Type	Use	Default	Fixed	Annotation		

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

element **SignatureProperty**

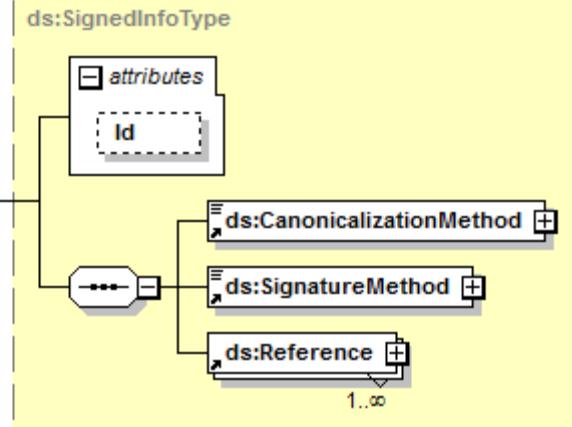
diagram																			
namespace	http://www.w3.org/2000/09/xmldsig#																		
type	ds:SignaturePropertyType																		
properties	content complex mixed true																		
used by	complexType SignaturePropertiesType																		
attributes	<table> <thead> <tr> <th>Name</th> <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**

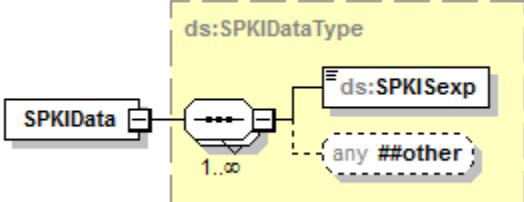
diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
type	ds:SignatureValueType

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>					

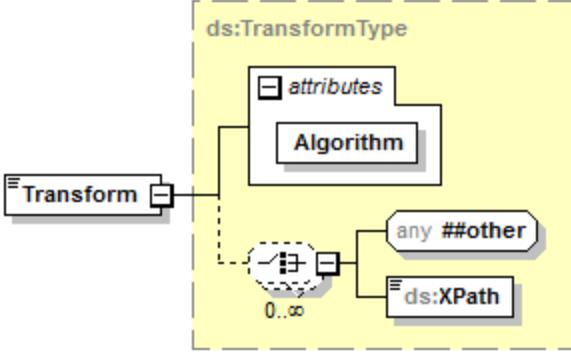
element SignedInfo

diagram	 <pre> classDiagram class SignedInfo { <<ds:SignedInfoType>> } class ds:SignedInfoType { attributes Id CanonicalizationMethod SignatureMethod Reference * } SignedInfo --> ds:SignedInfoType ds:SignedInfoType < -- SignedInfo </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>

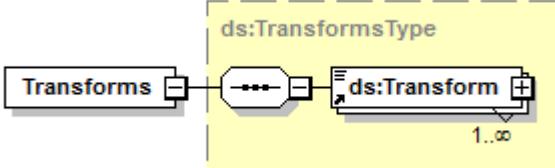
element SPKIData

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>

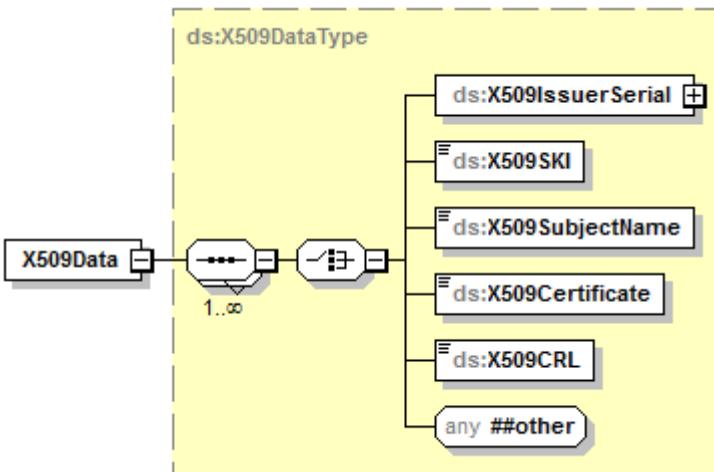
element Transform

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>												

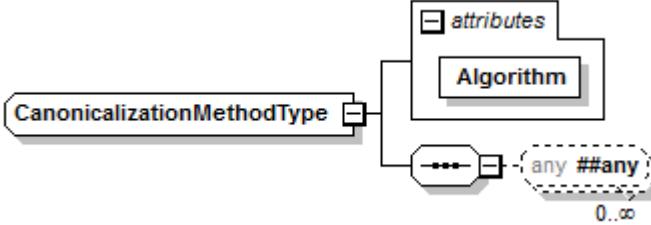
element Transforms

diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
type	ds:TransformsType
properties	content complex
children	ds:Transform
used by	complexTypes ReferenceType RetrievalMethodType
source	<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 any ##other
used by	complexType KeyInfoType
source	<code><xs:element name="X509Data" type="ds:X509DataType"/></code>

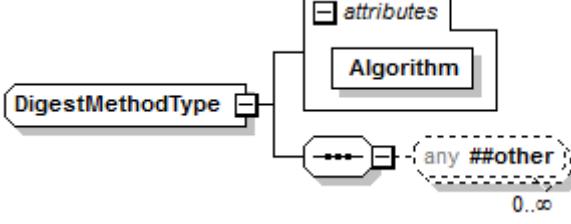
complexType CanonicalizationMethodType

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"/> </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

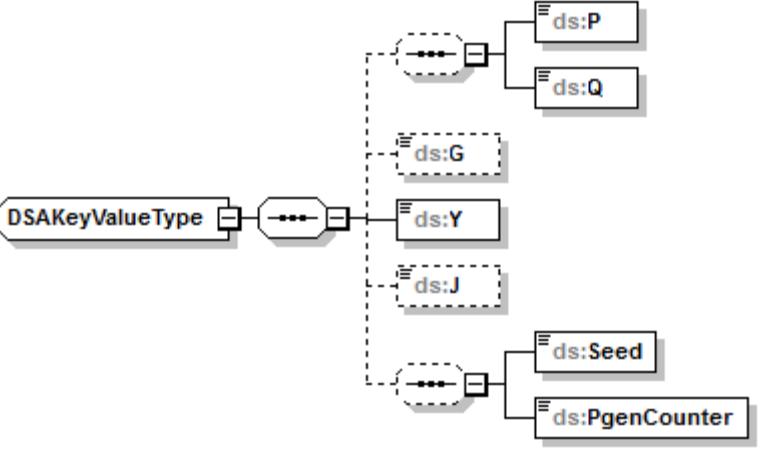
diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
properties	mixed true
used by	element DigestMethod

attributes	Name	Type	Use	Default	Fixed	Annotation
	Algorithm	<code>xs:anyURI</code>	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	<code>xs:anyURI</code>
properties	use required
source	<pre><xs:attribute name="Algorithm" type="anyURI" use="required"/></pre>

complexType **DSAKeyValueType**

diagram	 <pre> classDiagram class DSAKeyValueType class ds:P class ds:Q class ds:G class ds:Y class ds:J class ds:Seed class ds:PgenCounter DSAKeyValueType *--> ds:P DSAKeyValueType *--> ds:Q DSAKeyValueType *--> ds:G DSAKeyValueType *--> ds:Y DSAKeyValueType *--> ds:J DSAKeyValueType *--> ds:Seed DSAKeyValueType *--> ds:PgenCounter </pre>
namespace	<code>http://www.w3.org/2000/09/xmldsig#</code>
children	ds:P ds:Q ds:G ds:Y ds:J ds:Seed ds:PgenCounter
used by	element DSAKeyValue
source	<pre> <xs:complexType name="DSAKeyValueType"> <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> </xs:complexType> </pre>

	<pre><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	<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	<pre><xs:element name="Q" type="ds: CryptoBinary"/></pre>

element DSAKeyValueType/G

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

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"/>

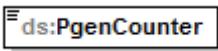
element DSAKeyValueType/J

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

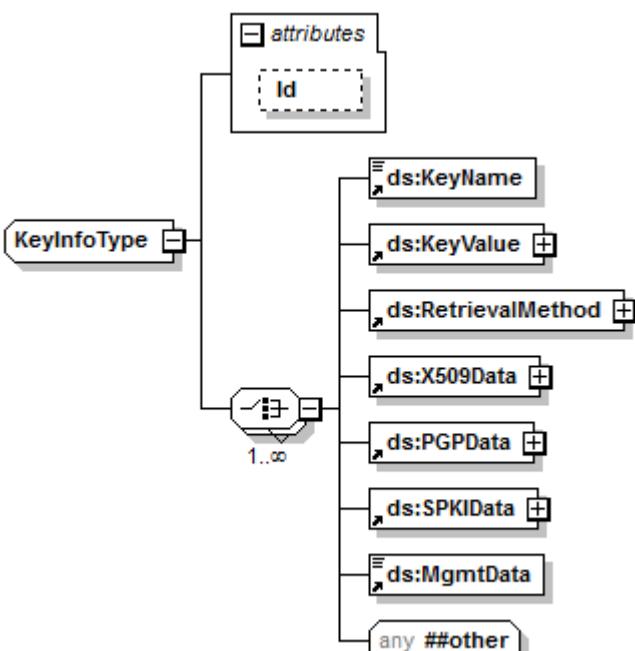
diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
type	ds: CryptoBinary
properties	content simple
source	<xs:element name="Seed" type="ds: CryptoBinary"/>

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

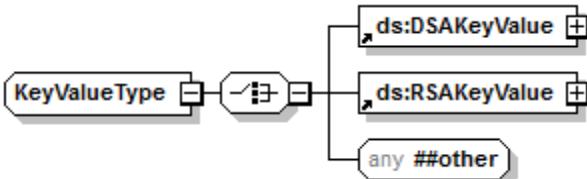
diagram	 <pre> classDiagram class KeyInfoType { attribute Id ds:KeyName ds:KeyValue ds:RetrievalMethod ds:X509Data ds:PGPData ds:SPKIData ds:MgmtData any ##other } </pre>												
namespace	http://www.w3.org/2000/09/xmldsig#												
properties	mixed true												
children	ds:KeyName ds:KeyValue 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 --> </xs:choice> <xs:attribute name="Id" type="ID" use="optional"/> </pre>												

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

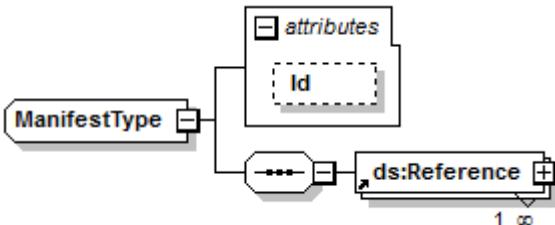
attribute KeyInfoType/@Id

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

complexType KeyValueObjectType

diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
properties	mixed true
children	ds:DSAKeyValue ds:RSAKeyValue
used by	element KeyValue
source	<pre style="font-family: monospace;"> <xs:complexType name="KeyValueObjectType" 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 ManifestType

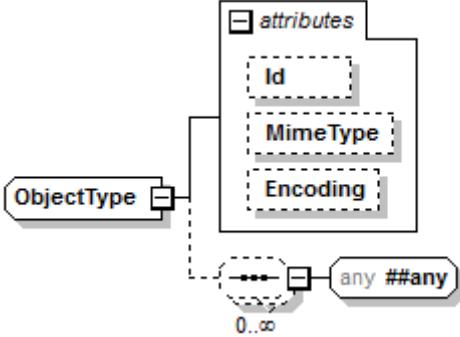
diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
children	ds:Reference

used by	element Manifest					
attributes	Name	Type	Use	Default	Fixed	Annotation
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	 <pre> classDiagram class ObjectType { <<attributes>> <<Id>> <<MimeType>> <<Encoding>> } ObjectType "0..infinity" -- "any ##any" </pre>																								
namespace	http://www.w3.org/2000/09/xmldsig#																								
properties	mixed true																								
used by	element Object																								
attributes	<table border="1"> <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"> <xs:any namespace="##any" processContents="lax"/> </xs:sequence> </xs:complexType></pre>																								

	<pre> </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"/>

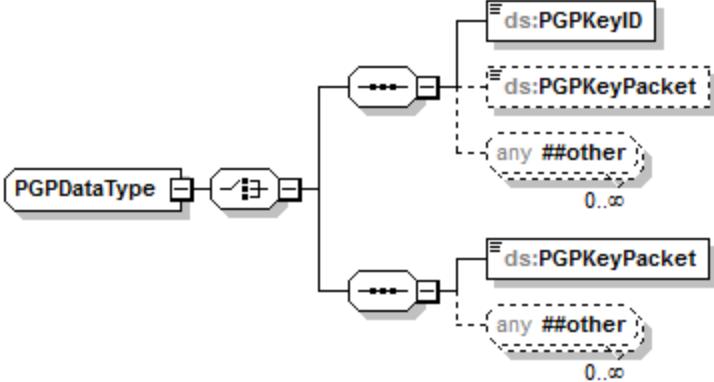
attribute ObjectType/@MimeType

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

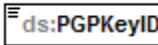
attribute ObjectType/@Encoding

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

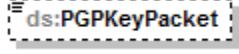
complexType PGPDataType

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>

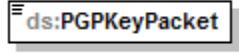
element PGPDataType/PGPKeyID

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

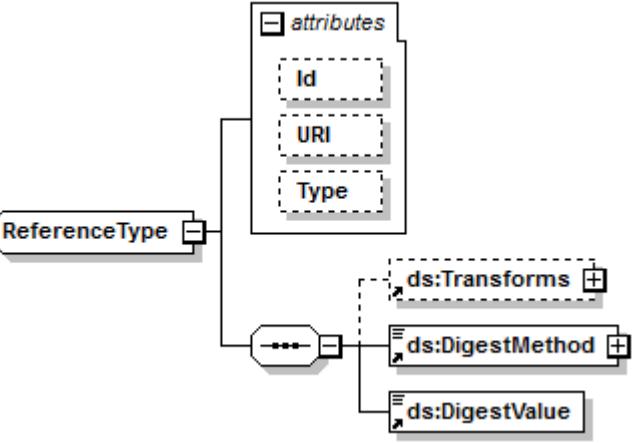
element PGPDataType/PGPKeyPacket

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	<pre><xs:attribute name="Id" type="ID" use="optional"/></pre>

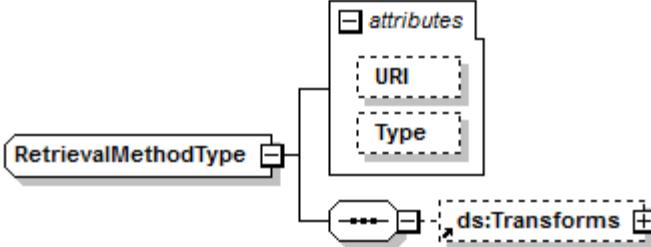
attribute ReferenceType/@URI

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

attribute ReferenceType/@Type

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

complexType RetrievalMethodType

diagram	 <pre> classDiagram class RetrievalMethodType { attribute URI attribute Type reference ds:Transforms } </pre>																		
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><u>URI</u></td> <td><u>xs:anyURI</u></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td><u>Type</u></td> <td><u>xs:anyURI</u></td> <td>optional</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Name	Type	Use	Default	Fixed	Annotation	<u>URI</u>	<u>xs:anyURI</u>					<u>Type</u>	<u>xs:anyURI</u>	optional			
Name	Type	Use	Default	Fixed	Annotation														
<u>URI</u>	<u>xs:anyURI</u>																		
<u>Type</u>	<u>xs:anyURI</u>	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>																		

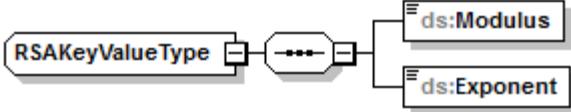
attribute RetrievalMethodType/@URI

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

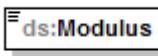
attribute RetrievalMethodType/@Type

type	<u>xs:anyURI</u>
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>

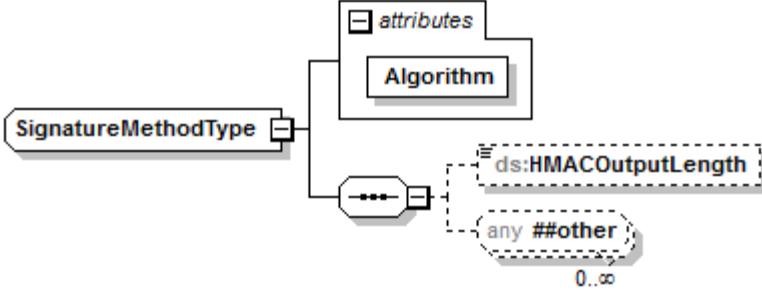
element RSAKeyValue/Modulus

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>

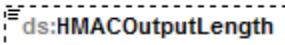
complexType SignatureMethodType

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

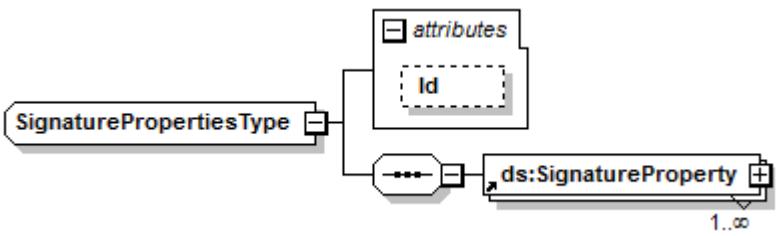
type	xs:anyURI
properties	use required
source	<pre><xs:attribute name="Algorithm" type="anyURI" use="required"/></pre>

element SignatureMethodType/HMACOutputLength

diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
type	ds:HMACOutputLengthType
properties	minOcc 0 maxOcc 1

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

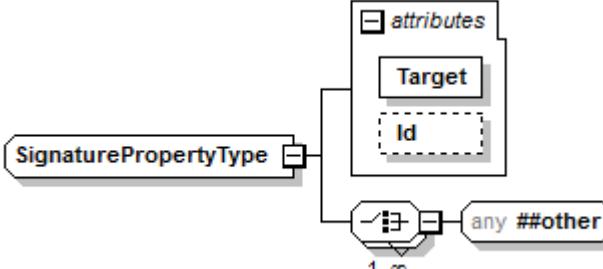
complexType **SignaturePropertiesType**

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 **Signature.PropertyType**

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="Signature.PropertyType" 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 **Signature.PropertyType/@Target**

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

attribute **Signature.PropertyType/@Id**

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

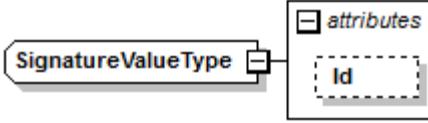
complexType SignatureType

diagram													
namespace	http://www.w3.org/2000/09/xmldsig#												
children	ds:SignedInfo ds:SignatureValue ds:KeyInfo ds:Object												
used by	elements Signature requisitaChaves/Signature requisitaQuantidadeChaves/Signature buscaDocumentosMDFe/Signature encerraTransporte/Signature requisitaChavesComPaginacao/Signature gravaCDFeSmartCard/Signature adicionaDocumento/Signature inicializaCDFeTag/Signature finalizaGravacaoDocumentos/Signature requisitaChavesPorDataInicial/Signature associaCDFeTag/Signature gravaCDFeTag/Signature recuperaStatusGravacao/Signature iniciaGravacaoDocumentos/Signature recuperaStatusInicializacao/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	<xs:attribute name="Id" type="ID" use="optional"/>

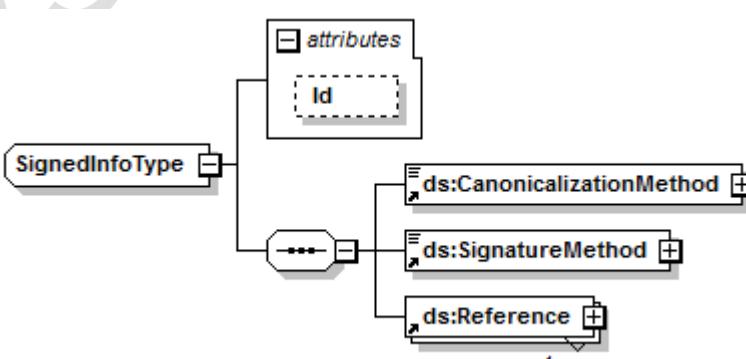
complexType SignatureValueType

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	<pre><xs:attribute name="Id" type="ID" use="optional"/></pre>

complexType SignedInfoType

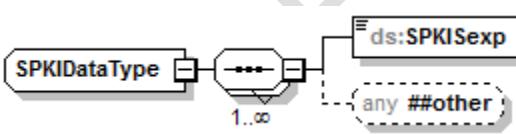
diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
children	ds:CanonicalizationMethod ds:SignatureMethod ds:Reference

used by	element SignedInfo					
attributes	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	<xs:attribute name="Id" type="ID" use="optional"/>

complexType SPKIDataType

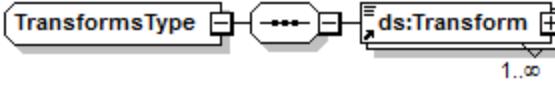
diagram	 <pre> classDiagram class SPKIDataType class SPKISexp SPKIDataType "1..>" *-- "*" SPKISexp </pre>
namespace	http://www.w3.org/2000/09/xmldsig#
children	ds:SPKISexp
used by	element SPKIData
source	<pre><xs:complexType name="SPKIDataType"> <xs:sequence maxOccurs="unbounded"> <xs:element name="SPKISexp" type="base64Binary"/> <xs:any namespace="##other" processContents="lax" minOccurs="0"/> </xs:sequence> </xs:complexType></pre>

element SPKIDataType/SPKISexp

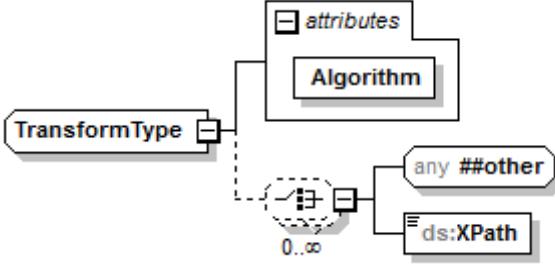
diagram	
namespace	http://www.w3.org/2000/09/xmldsig#

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

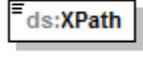
diagram													
namespace	http://www.w3.org/2000/09/xmldsig#												
properties	mixed true												
children	ds:XPath												
used by	element Transform												
attributes	<table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </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></pre>												

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

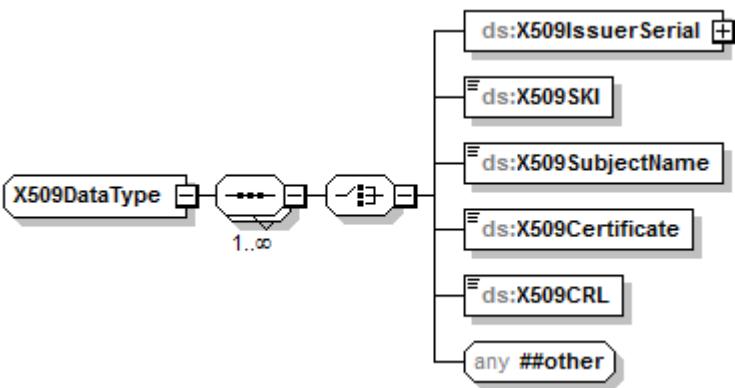
attribute TransformType/@Algorithm

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

element TransformType/XPath

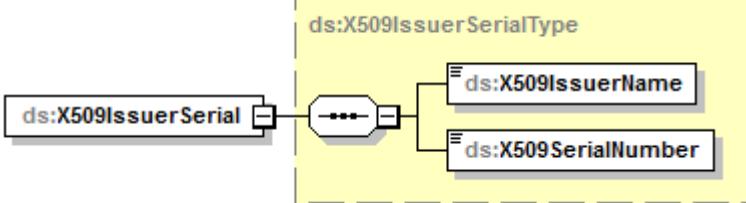
diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
type	xs:string
properties	content simple
source	<xs:element name="XPath" type="string"/>

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	<xs:complexType name="X509DataType"> <xs:sequence maxOccurs="unbounded"> <xs:choice> <xs:element name="X509IssuerSerial" type="ds:X509IssuerSerialType"/>

	<pre> <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>
--	--

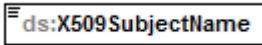
element X509DataType/X509IssuerSerial

diagram	 <pre> classDiagram class ds:X509IssuerSerialType { ds:X509IssuerName ds:X509SerialNumber } ds:X509IssuerSerial "1" -- "*" ds:X509IssuerSerialType </pre>
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

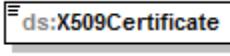
diagram	 <pre> classDiagram class ds:X509SKI </pre>
namespace	http://www.w3.org/2000/09/xmldsig#
type	xs:base64Binary
properties	content simple
source	<pre> <xs:element name="X509SKI" type="base64Binary"/> </pre>

element X509DataType/X509SubjectName

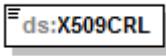
diagram	 <pre> classDiagram class ds:X509SubjectName </pre>
namespace	http://www.w3.org/2000/09/xmldsig#
type	xs:string

properties	content simple
source	<xs:element name="X509SubjectName" type="string"/>

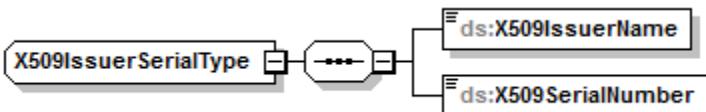
element X509DataType/X509Certificate

diagram	
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>

XML Schema documentation generated by [XMLSpy](#) Schema Editor <http://www.altova.com/xmlspy>

4.5 SCHEMA RELACIONADO AOS MÉTODOS DO SEFAZ

Schema **BackofficeBrasilldSefaz.xsd**

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

Elements	Complex types
buscaPassagensPorAntena	buscaPassagensPorAntena
buscaPassagensPorAntenaResponse	buscaPassagensPorAntenaResponse
buscaPassagensPorMDFe	buscaPassagensPorMDFe
buscaPassagensPorMDFeResponse	buscaPassagensPorMDFeResponse
configuraAntenas	configuraAntenas
configuraAntenasResponse	configuraAntenasResponse
recuperaListaAntenas	recuperaListaAntenas
recuperaListaAntenasResponse	recuperaListaAntenasResponse
	wsAntenas
	wsPassagens
	wsResult

schema location:

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

attributeFormDefault:

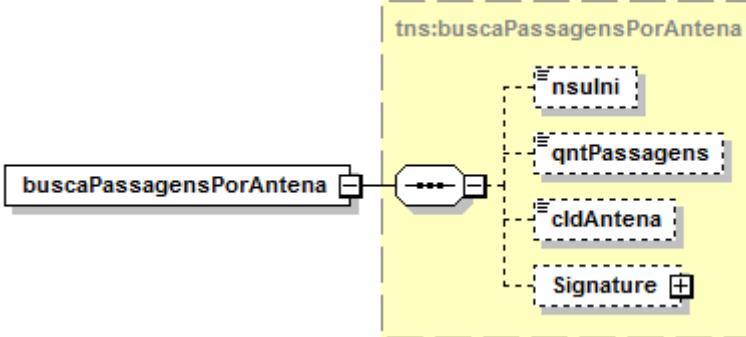
elementFormDefault: **qualified**

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

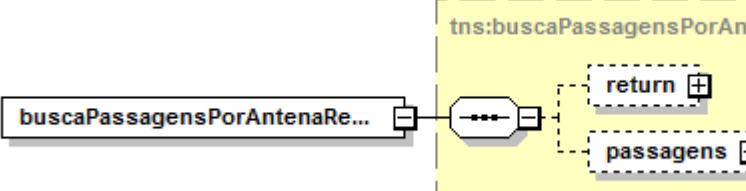
Elements	Complex types	Simple types
CanonicalizationMethod	CanonicalizationMethodType	CryptoBinary
DigestMethod	DigestMethodType	DigestValueType
DigestValue	DSAKeyValue	HMACOutputLengthType
DSAKeyValue	KeyInfoType	

KeyInfo	KeyValue
KeyName	Manifest
KeyValue	Object
Manifest	PGPData
MgmtData	Reference
Object	RetrievalMethod
PGPData	RSAKeyValue
Reference	SignatureMethod
RetrievalMethod	SignatureProperties
RSAKeyValue	SignatureProperty
Signature	SignatureType
SignatureMethod	SignatureValueType
SignatureProperties	SignedInfo
SignatureProperty	SPKIData
SignatureValue	Transforms
SignedInfo	TransformType
SPKIData	X509Data
Transform	X509IssuerSerial
Transforms	
X509Data	

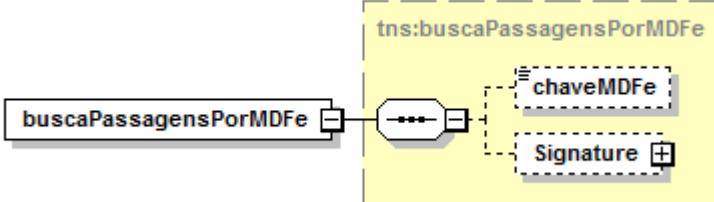
element buscaPassagensPorAntena

diagram	 <pre> sequenceDiagram participant Local participant Remote Local->>Local: buscaPassagensPorAntena activate Local Local->>Remote: nsulni Local->>Remote: qntPassagens Local->>Remote: cldAntena Local->>Remote: Signature deactivate Local </pre>
namespace	http://webservices.brasil-id.org.br/sefaz/
type	tns:buscaPassagensPorAntena
properties	content complex
children	nsulni qntPassagens cldAntena Signature
source	<xs:element name="buscaPassagensPorAntena" type="tns:buscaPassagensPorAntena"/>

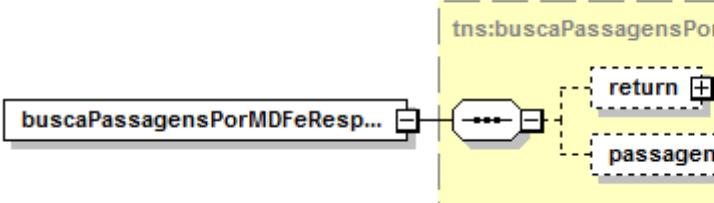
element buscaPassagensPorAntenaResponse

diagram	 <pre> sequenceDiagram participant Local participant Remote Local->>Local: buscaPassagensPorAntenaRe... activate Local Local->>Remote: return Local->>Remote: passagens deactivate Local </pre>
namespace	http://webservices.brasil-id.org.br/sefaz/
type	tns:buscaPassagensPorAntenaResponse
properties	content complex
children	return passagens
source	<xs:element name="buscaPassagensPorAntenaResponse" type="tns:buscaPassagensPorAntenaResponse"/>

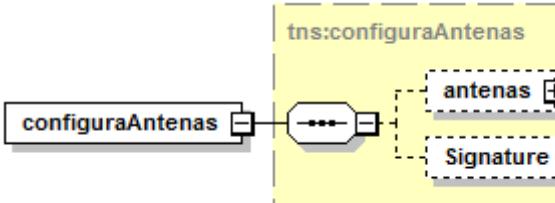
element buscaPassagensPorMDFe

diagram	 <pre>tns:buscaPassagensPorMDFe buscaPassagensPorMDFe --> <service> <service> <--> chaveMDFe <service> <--> Signature</pre>
namespace	http://webservices.brasil-id.org.br/sefaz/
type	<u>tns:buscaPassagensPorMDFe</u>
properties	content complex
children	<u>chaveMDFe</u> <u>Signature</u>
source	<xs:element name="buscaPassagensPorMDFe" type="tns:buscaPassagensPorMDFe"/>

element buscaPassagensPorMDFeResponse

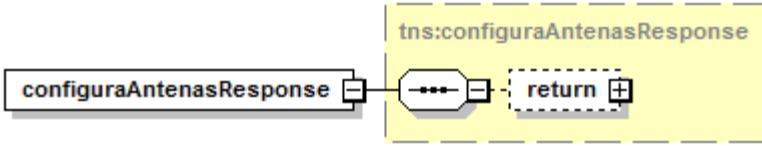
diagram	 <pre>tns:buscaPassagensPorMDFeResponse buscaPassagensPorMDFeResponse <--> <service> <service> <--> return <service> <--> passagens</pre>
namespace	http://webservices.brasil-id.org.br/sefaz/
type	<u>tns:buscaPassagensPorMDFeResponse</u>
properties	content complex
children	<u>return</u> <u>passagens</u>
source	<xs:element name="buscaPassagensPorMDFeResponse" type="tns:buscaPassagensPorMDFeResponse"/>

element configuraAntenas

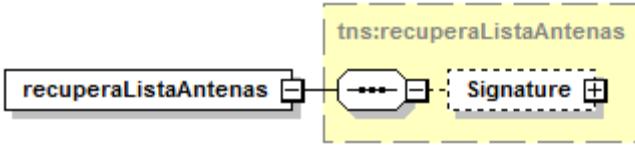
diagram	 <pre>tns:configuraAntenas configuraAntenas --> <service> <service> <--> antenas <service> <--> Signature</pre>
namespace	http://webservices.brasil-id.org.br/sefaz/

type	tns:configuraAntenas
properties	content complex
children	antenas Signature
source	<xs:element name="configuraAntenas" type="tns:configuraAntenas"/>

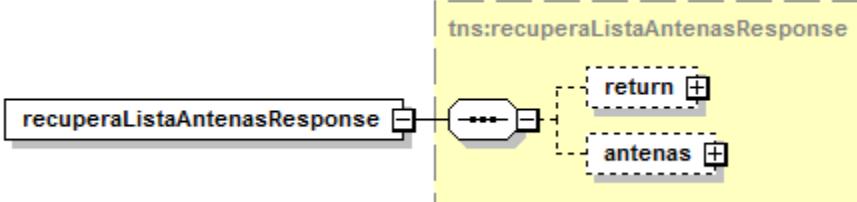
element configuraAntenasResponse

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

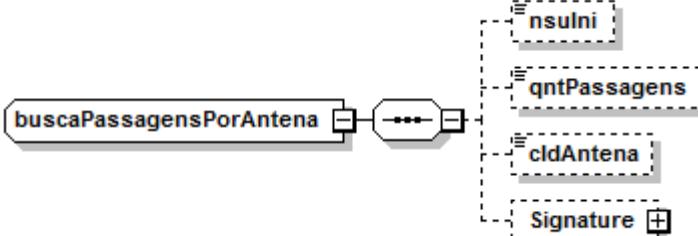
element recuperaListaAntenas

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

element recuperarListaAntenasResponse

diagram	
namespace	http://webservices.brasil-id.org.br/sefaz/
type	tns:recuperaListaAntenasResponse
properties	content complex
children	return antenas
source	<pre><xs:element name="recuperaListaAntenasResponse" type="tns:recuperaListaAntenasResponse"/></pre>

complexType buscaPassagensPorAntena

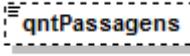
diagram	
namespace	http://webservices.brasil-id.org.br/sefaz/
children	nsulni qntPassagens cldAntena Signature
used by	element buscaPassagensPorAntena
source	<pre><xs:complexType name="buscaPassagensPorAntena"> <xs:sequence> <xs:element name="nsulni" type="xs:long" minOccurs="0"/> <xs:element name="qntPassagens" type="xs:int" minOccurs="0"/> <xs:element name="cldAntena" type="xs:long" minOccurs="0"/> <xs:element name="Signature" type="ns1:SignatureType" minOccurs="0"/> </xs:sequence> </xs:complexType></pre>

element buscaPassagensPorAntena/nsulni

diagram	
type	xs:long

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

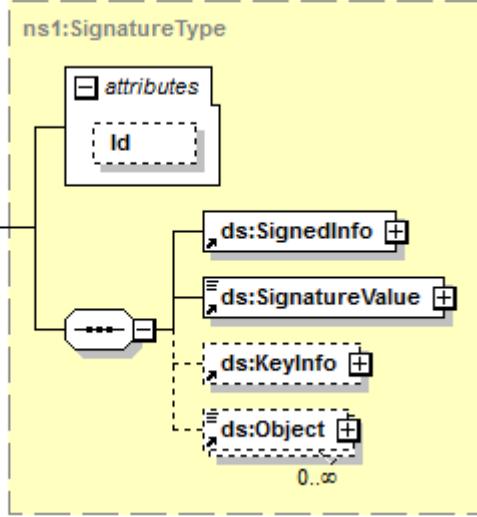
element buscaPassagensPorAntena/qntPassagens

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

element buscaPassagensPorAntena/cldAntena

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

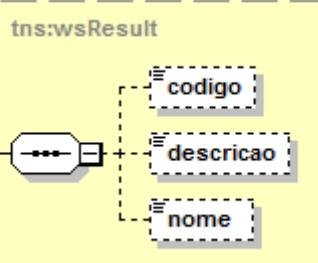
element buscaPassagensPorAntena/Signature

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>												

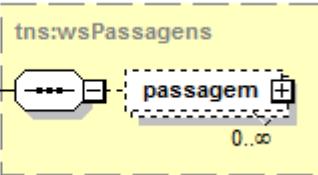
complexType buscaPassagensPorAntenaResponse

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

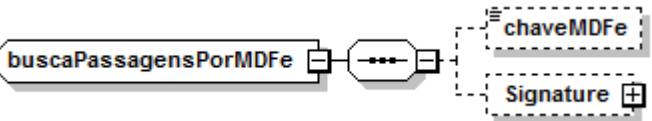
element buscaPassagensPorAntenaResponse/return

diagram	
type	tns:wsResult
properties	minOcc 0 maxOcc 1 content complex
children	codigo descricao nome
source	<code><xs:element name="return" type="tns:wsResult" minOccurs="0"/></code>

element buscaPassagensPorAntenaResponse/passagens

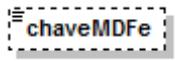
diagram	
type	tns:wsPassagens
properties	minOcc 0 maxOcc 1 content complex
children	passagem
source	<code><xs:element name="passagens" type="tns:wsPassagens" minOccurs="0"/></code>

complexType buscaPassagensPorMDFe

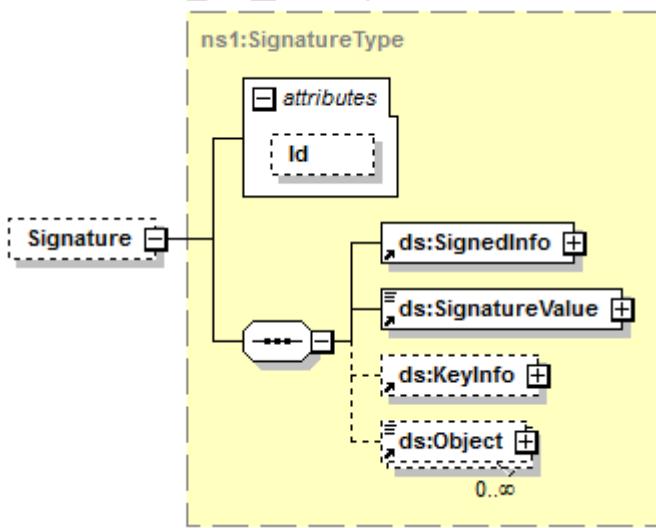
diagram	
namespace	http://webservices.brasil-id.org.br/sefaz/

children	chaveMDFe Signature
used by	element buscaPassagensPorMDFe
source	<pre><xs:complexType name="buscaPassagensPorMDFe"> <xs:sequence> <xs:element name="chaveMDFe" type="xs:string" minOccurs="0"/> <xs:element name="Signature" type="ns1:SignatureType" minOccurs="0"/> </xs:sequence> </xs:complexType></pre>

element buscaPassagensPorMDFe/chaveMDFe

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

element buscaPassagensPorMDFe/Signature

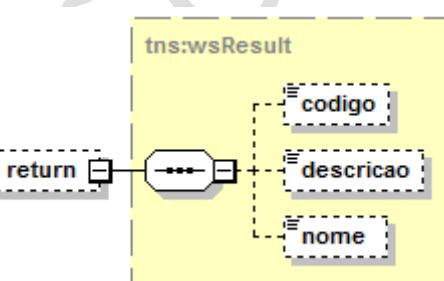
diagram	
type	ds:SignatureType
properties	minOcc 0 maxOcc 1 content complex

children	ds:SignedInfo ds:SignatureValue ds:KeyInfo ds:Object						
attributes	Name	Type	Use	Default	Fixed	Annotation	
	Id	xs:ID	optional				
source	<code><xs:element name="Signature" type="ns1:SignatureType" minOccurs="0"/></code>						

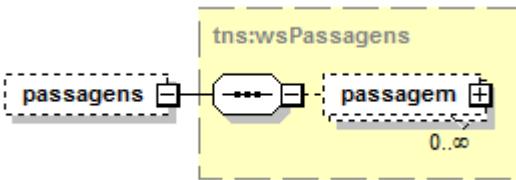
complexType buscaPassagensPorMDFeResponse

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

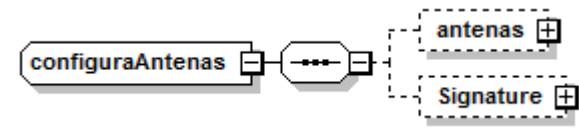
element buscaPassagensPorMDFeResponse/return

diagram	
type	tns:wsResult
properties	minOcc 0 maxOcc 1 content complex
children	codigo descricao nome
source	<code><xs:element name="return" type="tns:wsResult" minOccurs="0"/></code>

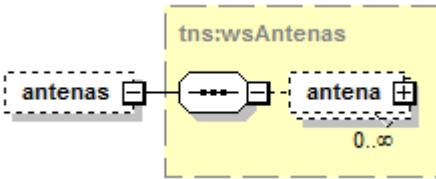
element buscaPassagensPorMDFeResponse/passagens

diagram	
type	tns:wsPassagens
properties	minOcc 0 maxOcc 1 content complex
children	passagem
source	<pre><xs:element name="passagens" type="tns:wsPassagens" minOccurs="0"/></pre>

complexType configuraAntenas

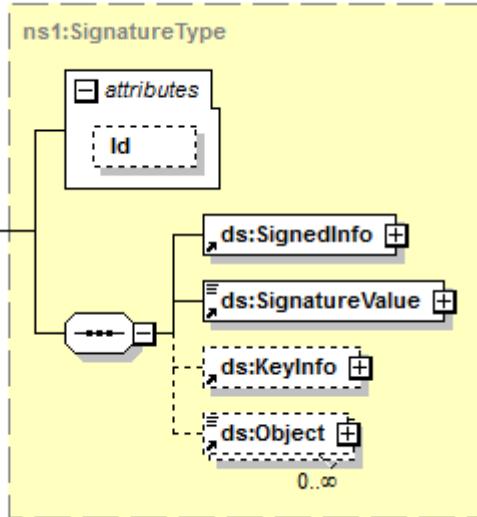
diagram	
namespace	http://webservices.brasil-id.org.br/sefaz/
children	antenas Signature
used by	element configuraAntenas
source	<pre><xs:complexType name="configuraAntenas"> <xs:sequence> <xs:element name="antenas" type="tns:wsAntenas" minOccurs="0"/> <xs:element name="Signature" type="ns1:SignatureType"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

element configuraAntenas/antenas

diagram	
type	tns:wsAntenas

properties	minOcc 0 maxOcc 1 content complex
children	antena
source	<xs:element name="antenas" type="tns:wsAntenas" minOccurs="0"/>

element configuraAntenas/Signature

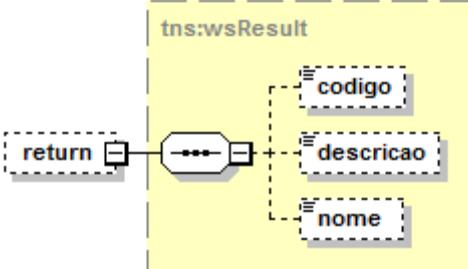
diagram	 <pre> classDiagram class ns1::SignatureType { <<ns1>> attributes Id Signature <<ns1>> <<ds>> SignedInfo SignatureValue KeyInfo Object *--> "0..∞" KeyInfo *--> "0..∞" Object } </pre>												
type	ds:SignatureType												
properties	minOcc 0 maxOcc 1 content complex												
children	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 configuraAntenasResponse

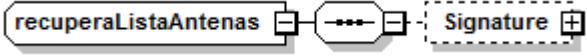
diagram	 <pre> sequenceDiagram participant Client participant Server Client->>Server: configuraAntenasResponse activate Server Note over Server: ... Server-->>Client: return deactivate Server </pre>
namespace	http://webservices.brasil-id.org.br/sefaz/
children	return

used by	element configuraAntenasResponse
source	<pre><xs:complexType name="configuraAntenasResponse"> <xs:sequence> <xs:element name="return" type="tns:wsResult" minOccurs="0"/> </xs:sequence> </xs:complexType></pre>

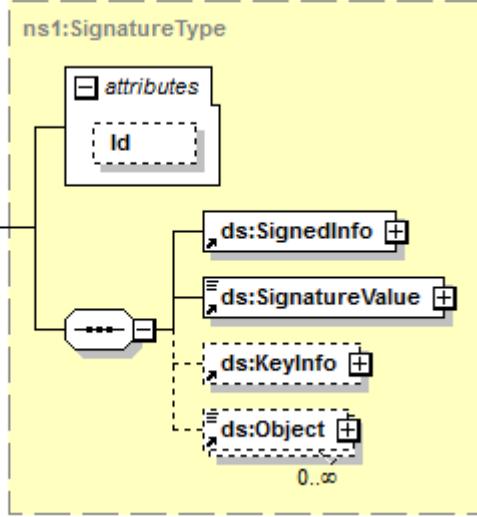
element configuraAntenasResponse/return

diagram	 <pre> classDiagram class tns_wsResult { codigo descricao nome } class return { --> tns_wsResult } </pre>
type	tns:wsResult
properties	minOcc 0 maxOcc 1 content complex
children	codigo descricao nome
source	<pre><xs:element name="return" type="tns:wsResult" minOccurs="0"/></pre>

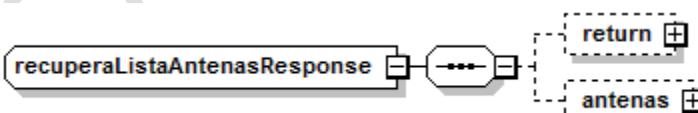
complexType recuperarListaAntenas

diagram	 <pre> classDiagram class recuperarListaAntenas { --> Signature } </pre>
namespace	http://webservices.brasil-id.org.br/sefaz/
children	Signature
used by	element recuperarListaAntenas
source	<pre><xs:complexType name="recuperarListaAntenas"> <xs:sequence> <xs:element name="Signature" type="ns1:SignatureType" minOccurs="0"/> </xs:sequence> </xs:complexType></pre>

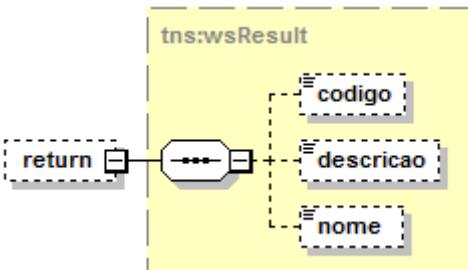
element **recuperaListaAntenas/Signature**

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>												

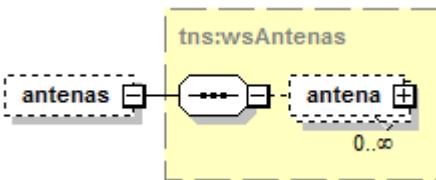
complexType **recuperaListaAntenasResponse**

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

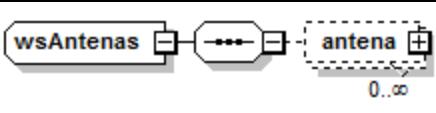
element recuperarListaAntenasResponse/return

diagram	
type	tns:wsResult
properties	minOcc 0 maxOcc 1 content complex
children	codigo descricao nome
source	<code><xs:element name="return" type="tns:wsResult" minOccurs="0"/></code>

element recuperarListaAntenasResponse/antenas

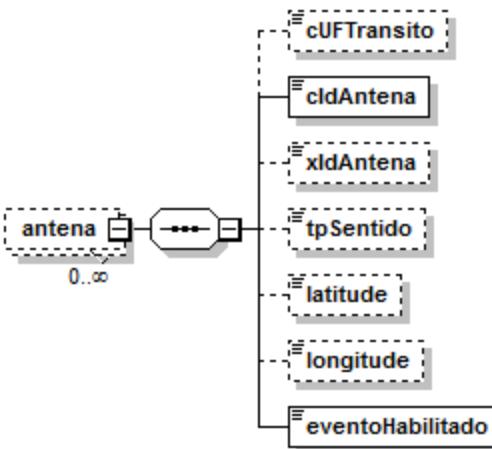
diagram	
type	tns:wsAntenas
properties	minOcc 0 maxOcc 1 content complex
children	antena
source	<code><xs:element name="antenas" type="tns:wsAntenas" minOccurs="0"/></code>

complexType wsAntenas

diagram	
namespace	http://webservices.brasil-id.org.br/sefaz/

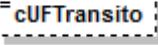
children	antena
used by	elements recuperaListaAntenasResponse/antenas configuraAntenas/antenas
source	<pre> <xs:complexType name="wsAntenas"> <xs:sequence> <xs:element name="antena" minOccurs="0" maxOccurs="unbounded"> <xs:complexType> <xs:sequence> <xs:element name="cUFTransito" type="xs:string" minOccurs="0"/> <xs:element name="cldAntena" type="xs:long"/> <xs:element name="xIdAntena" type="xs:string" minOccurs="0"/> <xs:element name="tpSentido" type="xs:string" minOccurs="0"/> <xs:element name="latitude" type="xs:string" minOccurs="0"/> <xs:element name="longitude" type="xs:string" minOccurs="0"/> <xs:element name="eventoHabilitado" type="xs:boolean"/> </xs:sequence> </xs:complexType> </xs:element> </xs:sequence> </xs:complexType> </pre>

element wsAntenas/antena

diagram	
properties	minOcc 0 maxOcc unbounded content complex
children	cUFTransito cldAntena xIdAntena tpSentido latitude longitude eventoHabilitado
source	<pre> <xs:element name="antena" minOccurs="0" maxOccurs="unbounded"> <xs:complexType> <xs:sequence> <xs:element name="cUFTransito" type="xs:string" minOccurs="0"/> <xs:element name="cldAntena" type="xs:long"/> <xs:element name="xIdAntena" type="xs:string" minOccurs="0"/> <xs:element name="tpSentido" type="xs:string" minOccurs="0"/> <xs:element name="latitude" type="xs:string" minOccurs="0"/> <xs:element name="longitude" type="xs:string" minOccurs="0"/> <xs:element name="eventoHabilitado" type="xs:boolean"/> </xs:sequence> </xs:complexType> </xs:element> </pre>

	<pre><xs:element name="longitude" type="xs:string" minOccurs="0"/> <xs:element name="eventoHabilitado" type="xs:boolean"/> </xs:sequence> </xs:complexType> </xs:element></pre>
--	---

element wsAntenas/antena/cUFTransito

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

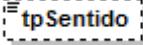
element wsAntenas/antena/cIdAntena

diagram	 cIdAntena
type	xs:long
properties	content simple
source	<pre><xs:element name="cIdAntena" type="xs:long"/></pre>

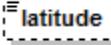
element wsAntenas/antena/xIdAntena

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

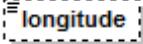
element wsAntenas/antena/tpSentido

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

element wsAntenas/antena/latitude

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

element wsAntenas/antena/longitude

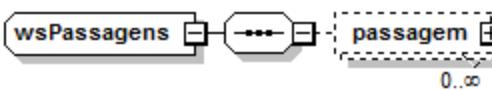
diagram	 longitude
type	xs:string
properties	minOcc 0 maxOcc 1 content simple
source	<xs:element name="longitude" type="xs:string" minOccurs="0"/>

element wsAntenas/antena/eventoHabilitado

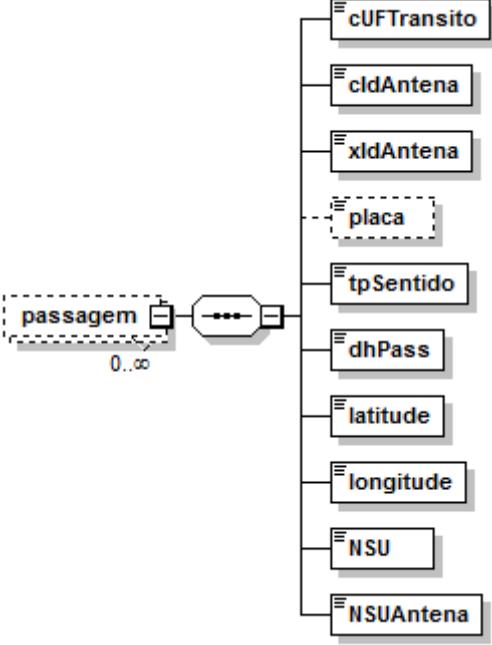
diagram	 eventoHabilitado
type	xs:boolean

properties	content simple
source	<xs:element name="eventoHabilitado" type="xs:boolean"/>

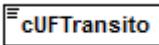
complexType wsPassagens

diagram	
namespace	http://webservices.brasil-id.org.br/sefaz/
children	passagem
used by	elements buscaPassagensPorAntenaResponse/passagens buscaPassagensPorMDFeResponse/passagens
source	<pre> <xs:complexType name="wsPassagens"> <xs:sequence> <xs:element name="passagem" minOccurs="0" maxOccurs="unbounded"> <xs:complexType> <xs:sequence> <xs:element name="cUFTransito" type="xs:string"/> <xs:element name="cldAntena" type="xs:string"/> <xs:element name="xIdAntena" type="xs:string"/> <xs:element name="placa" type="xs:string" minOccurs="0"/> <xs:element name="tpSentido" type="xs:string"/> <xs:element name="dhPass" type="xs:string"/> <xs:element name="latitude" type="xs:string"/> <xs:element name="longitude" type="xs:string"/> <xs:element name="NSU" type="xs:string"/> <xs:element name="NSUAntena" type="xs:string"/> </xs:sequence> </xs:complexType> </xs:element> </xs:sequence> </xs:complexType> </pre>

element wsPassagens/passagem

diagram	 <pre> sequenceDiagram participant passagem participant cUFTransito participant cldAntena participant xIdAntena participant placas participant tpSentido participant dhPass participant latitude participant longitude participant NSU participant NSUAntena passagem->>*cUFTransito passagem->>*cldAntena passagem->>*xIdAntena passagem-->*placas passagem-->*tpSentido passagem-->*dhPass passagem-->*latitude passagem-->*longitude passagem-->*NSU passagem-->*NSUAntena </pre>
properties	minOcc 0 maxOcc unbounded content complex
children	cUFTransito cldAntena xIdAntena placa tpSentido dhPass latitude longitude NSU NSUAntena
source	<pre> <xs:element name="passagem" minOccurs="0" maxOccurs="unbounded"> <xs:complexType> <xs:sequence> <xs:element name="cUFTransito" type="xs:string"/> <xs:element name="cldAntena" type="xs:string"/> <xs:element name="xIdAntena" type="xs:string"/> <xs:element name="placa" type="xs:string" minOccurs="0"/> <xs:element name="tpSentido" type="xs:string"/> <xs:element name="dhPass" type="xs:string"/> <xs:element name="latitude" type="xs:string"/> <xs:element name="longitude" type="xs:string"/> <xs:element name="NSU" type="xs:string"/> <xs:element name="NSUAntena" type="xs:string"/> </xs:sequence> </xs:complexType> </xs:element> </pre>

element wsPassagens/passagem/cUFTransito

diagram	
type	xs:string

properties	content simple
source	<xs:element name="cUFTTransito" type="xs:string"/>

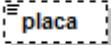
element wsPassagens/passagem/cldAntena

diagram	
type	xs:string
properties	content simple
source	<xs:element name="cldAntena" type="xs:string"/>

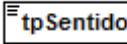
element wsPassagens/passagem/xldAntena

diagram	
type	xs:string
properties	content simple
source	<xs:element name="xldAntena" type="xs:string"/>

element wsPassagens/passagem/placa

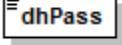
diagram	
type	xs:string
properties	minOcc 0 maxOcc 1 content simple
source	<xs:element name="placa" type="xs:string" minOccurs="0"/>

element wsPassagens/passagem/tpSentido

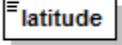
diagram	
---------	---

type	xs:string
properties	content simple
source	<xs:element name="tpSentido" type="xs:string"/>

element wsPassagens/passagem/dhPass

diagram	
type	xs:string
properties	content simple
source	<xs:element name="dhPass" type="xs:string"/>

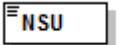
element wsPassagens/passagem/latitude

diagram	
type	xs:string
properties	content simple
source	<xs:element name="latitude" type="xs:string"/>

element wsPassagens/passagem/longitude

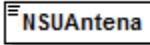
diagram	
type	xs:string
properties	content simple
source	<xs:element name="longitude" type="xs:string"/>

element wsPassagens/passagem/NSU

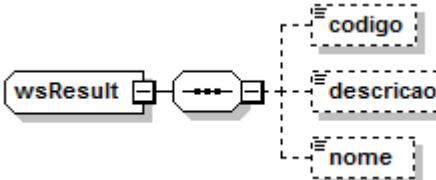
diagram	
type	xs:string

properties	content simple
source	<xs:element name="NSU" type="xs:string"/>

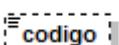
element wsPassagens/passagem/NSUAntena

diagram	
type	xs:string
properties	content simple
source	<xs:element name="NSUAntena" type="xs:string"/>

complexType wsResult

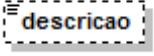
diagram	
namespace	http://webservices.brasil-id.org.br/sefaz/
children	codigo descricao nome
used by	elements recuperaListaAntenasResponse/return buscaPassagensPorAntenaResponse/return buscaPassagensPorMDFeResponse/return configuraAntenasResponse/return
source	<pre><xs:complexType name="wsResult"> <xs:sequence> <xs:element name="codigo" type="xs:string" minOccurs="0"/> <xs:element name="descricao" type="xs:string" minOccurs="0"/> <xs:element name="nome" type="xs:string" minOccurs="0"/> </xs:sequence> </xs:complexType></pre>

element wsResult/codigo

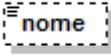
diagram	
type	xs:string
properties	minOcc 0

	maxOcc 1
	content simple
source	<xs:element name="codigo" type="xs:string" minOccurs="0"/>

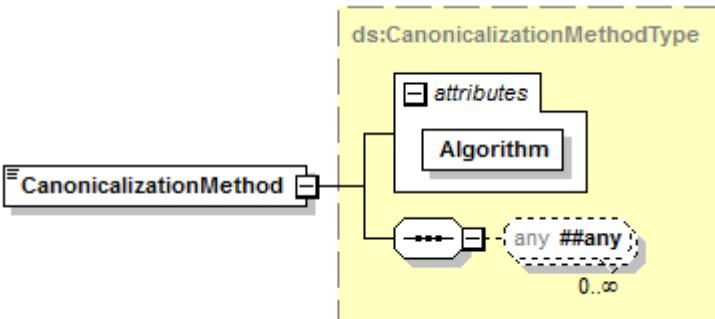
element wsResult/descricao

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

element wsResult/nome

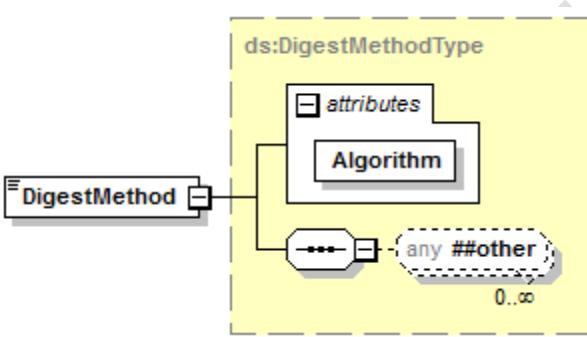
diagram	
type	xs:string
properties	minOcc 0 maxOcc 1 content simple
source	<xs:element name="nome" type="xs:string" minOccurs="0"/>

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

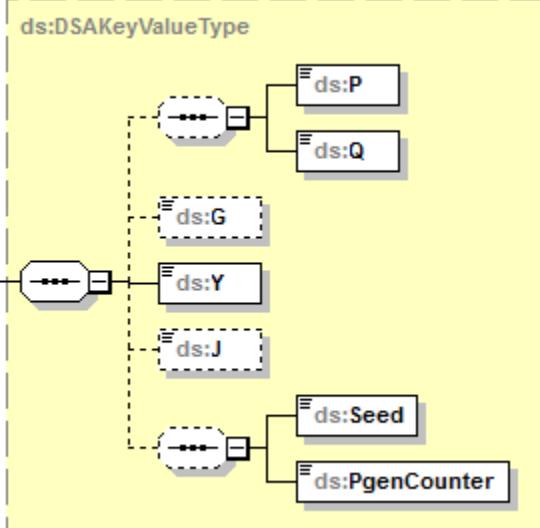
diagram	 <pre> classDiagram class DigestMethod interface ds:DigestMethodType { Algorithm <<any ##other>> 0..∞ } DigestMethod --> ds:DigestMethodType </pre>					
namespace	http://www.w3.org/2000/09/xmldsig#					
type	ds:DigestMethodType					
properties	content complex mixed true					
used by	complexType ReferenceType					
attributes	Name	Type	Use	Default	Fixed	Annotation
	Algorithm	xs:anyURI	required			
source	<code><xs:element name="DigestMethod" type="ds:DigestMethodType"/></code>					

element DigestValue

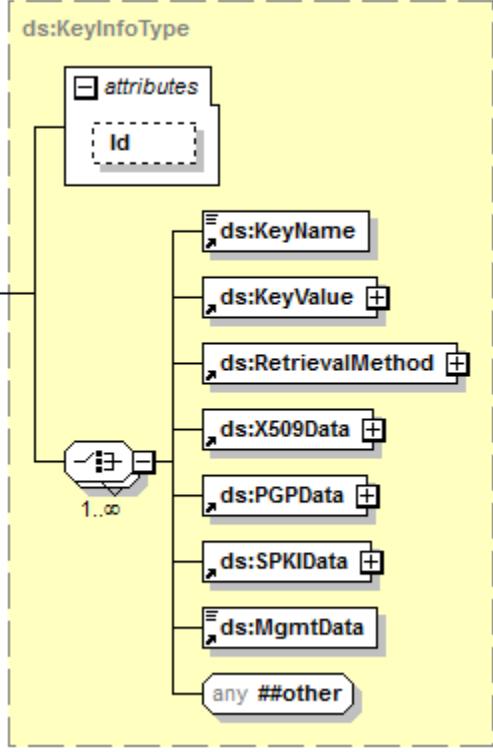
diagram	 <pre> classDiagram class DigestValue </pre>
namespace	http://www.w3.org/2000/09/xmldsig#
type	ds:DigestValueType

properties	content simple
used by	complexType ReferenceType
source	<xs:element name="DigestValue" type="ds:DigestValueType"/>

element DSAKeyValue

diagram	 <pre> graph LR DSAKeyValue[DSAKeyValue] --> DSAKeyValueType[ds:DSAKeyValueType] subgraph DSAKeyValueType direction TB P[ds:P] Q[ds:Q] G[ds:G] Y[ds:Y] J[ds:J] Seed[ds:Seed] PgenCounter[ds:PgenCounter] P --- G G --- Y Y --- J J --- Seed Seed --- PgenCounter end </pre>
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 KeyValueType
source	<xs:element name="DSAKeyValue" type="ds:DSAKeyValueType"/>

element KeyInfo

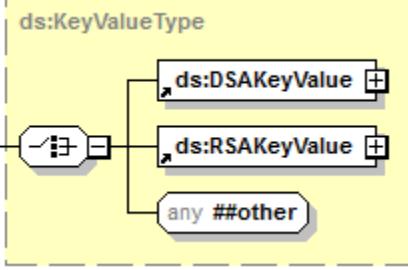
diagram	 <pre> classDiagram class KeyInfo { id } class ds::KeyInfoType { attributes 1..∞ --> KeyInfo : id any ##other ds::KeyName ds::KeyValue ds::RetrievalMethod ds::X509Data ds::PGPData ds::SPKIData ds::MgmtData } </pre>												
namespace	http://www.w3.org/2000/09/xmldsig#												
type	ds:KeyInfoType												
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

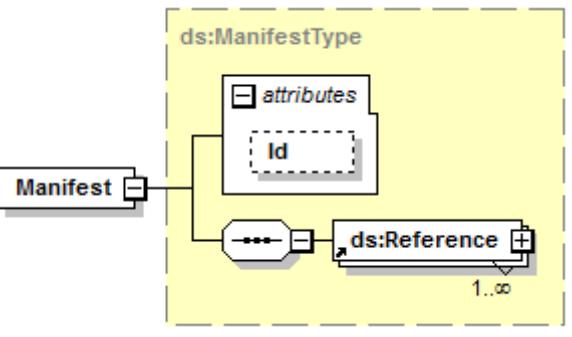
diagram	 <pre> classDiagram class KeyName { xs:string } </pre>
namespace	http://www.w3.org/2000/09/xmldsig#
type	xs:string
properties	content simple
used by	complexType KeyInfoType

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

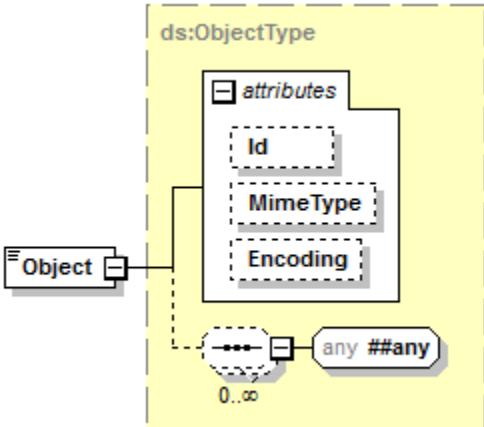
diagram													
namespace	http://www.w3.org/2000/09/xmldsig#												
type	ds:ManifestType												
properties	content complex												
children	ds:Reference												
attributes	<table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</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="Manifest" type="ds:ManifestType"/>
--------	--

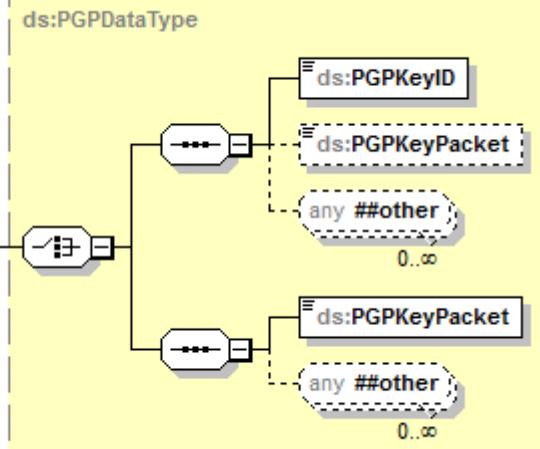
element MgmtData

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"/>

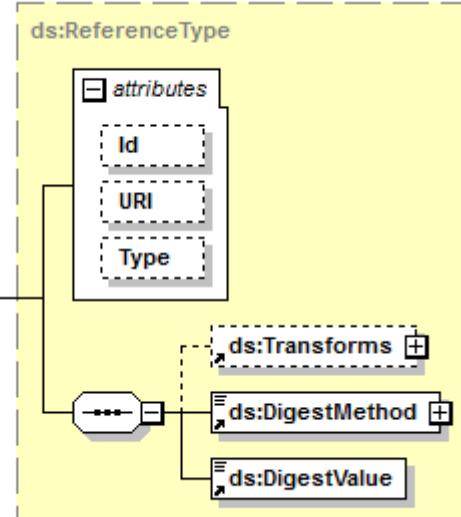
element Object

diagram																									
namespace	http://www.w3.org/2000/09/xmldsig#																								
type	ds:ObjectType																								
properties	content complex mixed true																								
used by	complexType SignatureType																								
attributes	<table> <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	<xs:element name="Object" type="ds:ObjectType"/>																								

element PGPData

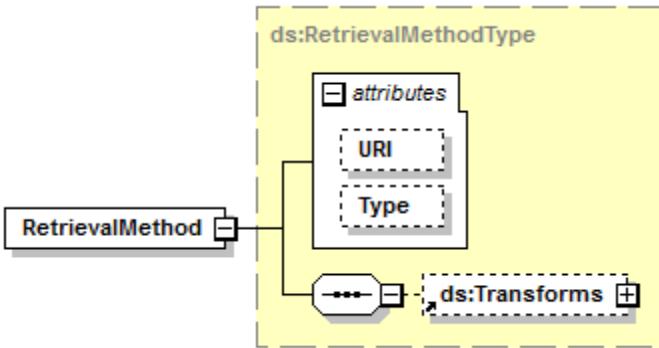
diagram	 <pre> classDiagram class PGPData class dsPGPKeyType { dsPGPKeyID dsPGPKeyPacket any ##other 0..∞ dsPGPKeyPacket any ##other 0..∞ } PGPData --> dsPGPKeyType </pre>
namespace	http://www.w3.org/2000/09/xmldsig#
type	ds:PGPDataType
properties	content complex
children	ds:PGPKeyID ds:PGPKeyPacket ds:PGPKeyPacket
used by	complexType KeyInfoType
source	<code><xs:element name="PGPData" type="ds:PGPDataType"/></code>

element Reference

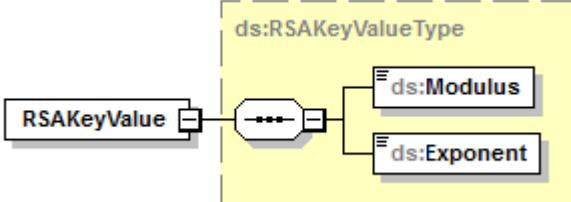
diagram	 <pre> classDiagram class Reference class dsReferenceType { attributes { Id URI Type } dsTransforms dsDigestMethod dsDigestValue } Reference --> dsReferenceType </pre>
namespace	http://www.w3.org/2000/09/xmldsig#

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"/>					

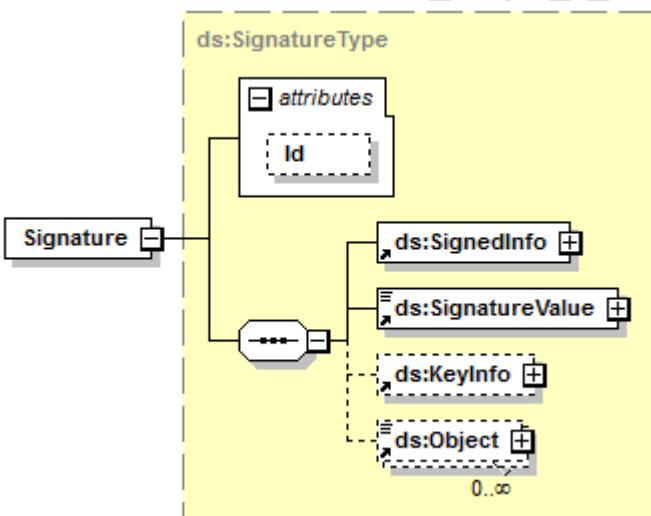
element RetrievalMethod

diagram	 <pre> classDiagram class RetrievalMethod class dsRetrievalMethodType { attribute URI attribute Type association dsTransforms } RetrievalMethod "1" -- "1" dsRetrievalMethodType </pre>																		
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"/>																		

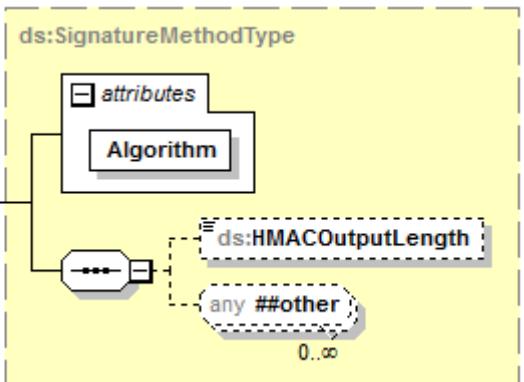
element RSAKeyValue

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	<code><xs:element name="RSAKeyValue" type="ds:RSAKeyValueType"/></code>

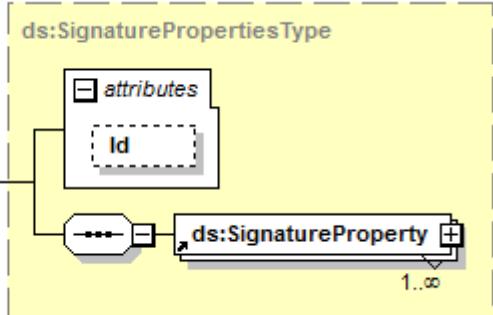
element Signature

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	<code><xs:element name="Signature" type="ds:SignatureType"/></code>												

element SignatureMethod

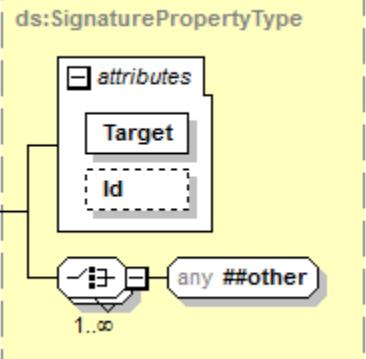
diagram	 <pre> classDiagram class SignatureMethod class ds.SignatureMethodType { attribute Algorithm attribute any ##other } SignatureMethod "1" -- "1" ds.SignatureMethodType </pre>												
namespace	http://www.w3.org/2000/09/xmldsig#												
type	ds:SignatureMethodType												
properties	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

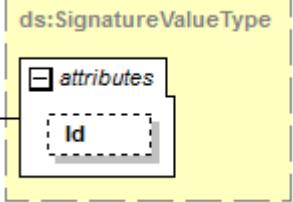
diagram	 <pre> classDiagram class SignatureProperties class ds.SignaturePropertiesType { attribute Id attribute ds.SignatureProperty } SignatureProperties "1" -- "1" ds.SignaturePropertiesType </pre>						
namespace	http://www.w3.org/2000/09/xmldsig#						
type	ds:SignaturePropertiesType						
properties	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> </table>	Name	Type	Use	Default	Fixed	Annotation
Name	Type	Use	Default	Fixed	Annotation		

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

element SignatureProperty

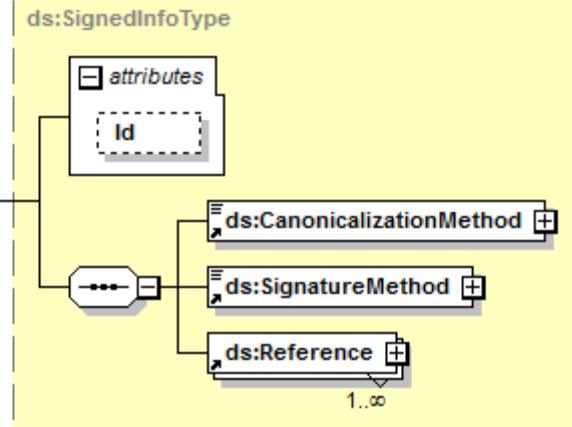
diagram																			
namespace	http://www.w3.org/2000/09/xmldsig#																		
type	ds:SignaturePropertyType																		
properties	content complex mixed true																		
used by	complexType SignaturePropertiesType																		
attributes	<table> <thead> <tr> <th>Name</th> <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

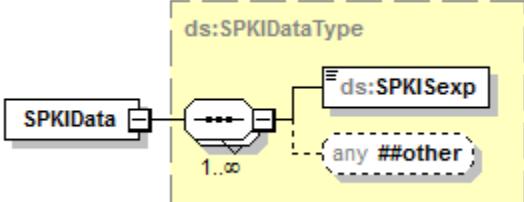
diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
type	ds:SignatureValueType

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>					

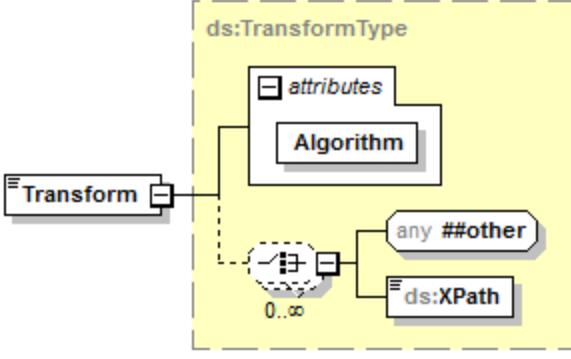
element SignedInfo

diagram	 <pre> classDiagram class SignedInfo { <<ds:SignedInfoType>> } class ds:SignedInfoType { attributes Id CanonicalizationMethod SignatureMethod Reference * } SignedInfo --> ds:SignedInfoType ds:SignedInfoType < -- SignedInfo ds:SignedInfoType < -- ds:CanonicalizationMethod ds:SignedInfoType < -- ds:SignatureMethod ds:SignedInfoType < -- ds:Reference </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>					

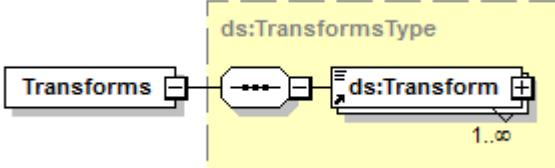
element SPKIData

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>

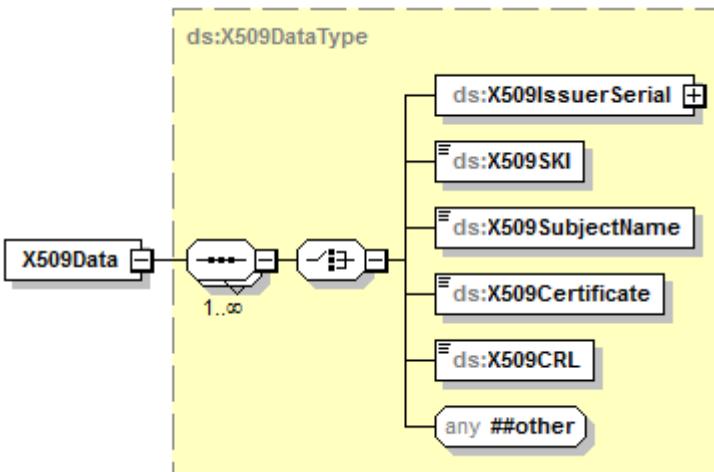
element Transform

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>												

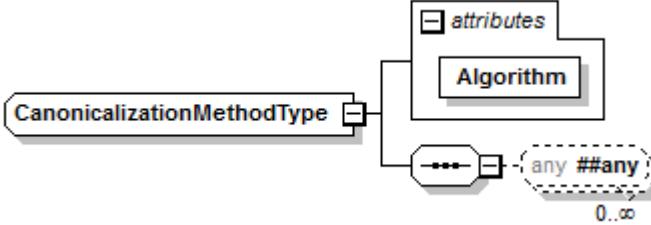
element Transforms

diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
type	ds:TransformsType
properties	content complex
children	ds:Transform
used by	complexTypes ReferenceType RetrievalMethodType
source	<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 any ##other
used by	complexType KeyInfoType
source	<code><xs:element name="X509Data" type="ds:X509DataType"/></code>

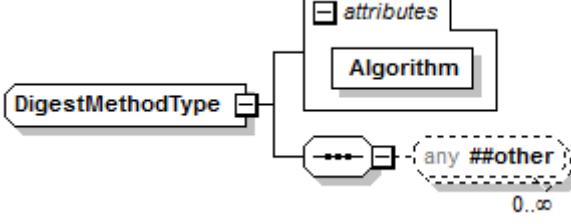
complexType CanonicalizationMethodType

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"/> </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

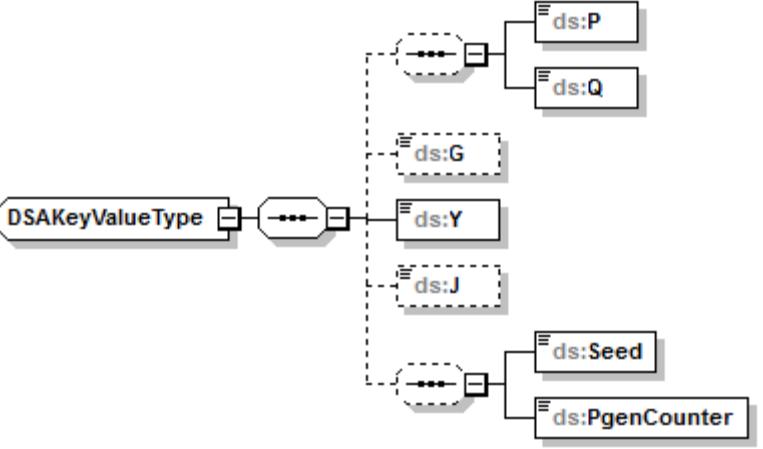
diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
properties	mixed true
used by	element DigestMethod

attributes	Name	Type	Use	Default	Fixed	Annotation
	Algorithm	<code>xs:anyURI</code>	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	<code>xs:anyURI</code>
properties	use required
source	<pre><xs:attribute name="Algorithm" type="anyURI" use="required"/></pre>

complexType **DSAKeyValueType**

diagram	 <pre> classDiagram class DSAKeyValueType class ds:P class ds:Q class ds:G class ds:Y class ds:J class ds:Seed class ds:PgenCounter DSAKeyValueType *--> ds:P DSAKeyValueType *--> ds:Q DSAKeyValueType *--> ds:G DSAKeyValueType *--> ds:Y DSAKeyValueType *--> ds:J DSAKeyValueType *--> ds:Seed DSAKeyValueType *--> ds:PgenCounter </pre>
namespace	<code>http://www.w3.org/2000/09/xmldsig#</code>
children	ds:P ds:Q ds:G ds:Y ds:J ds:Seed ds:PgenCounter
used by	element DSAKeyValue
source	<pre> <xs:complexType name="DSAKeyValueType"> <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> </xs:complexType> </pre>

	<pre><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	<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	<pre><xs:element name="Q" type="ds:CryptoBinary"/></pre>

element DSAKeyValueType/G

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

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"/>

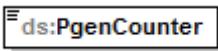
element DSAKeyValueType/J

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

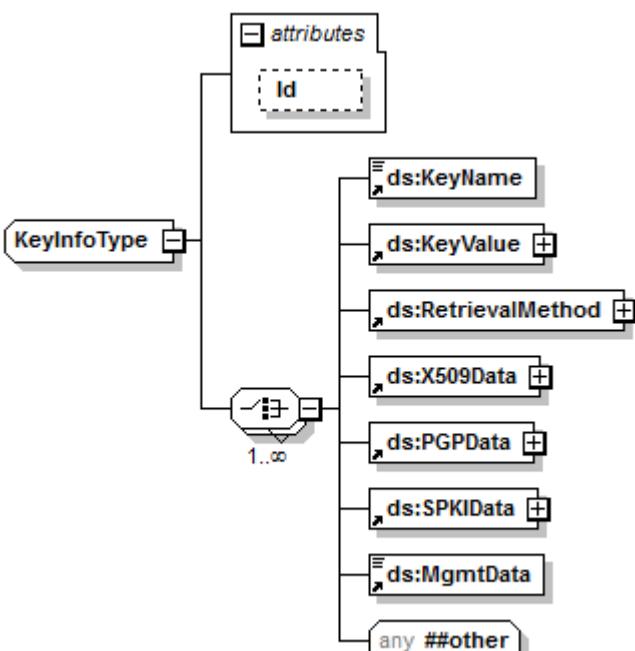
diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
type	ds: CryptoBinary
properties	content simple
source	<xs:element name="Seed" type="ds: CryptoBinary"/>

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

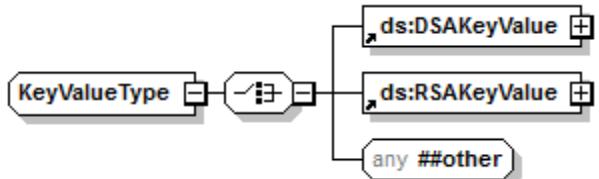
diagram	 <pre> classDiagram class KeyInfoType { attribute Id attribute ds:KeyName attribute ds:KeyValue attribute ds:RetrievalMethod attribute ds:X509Data attribute ds:PGPData attribute ds:SPKIData attribute ds:MgmtData attribute any ##other } </pre>												
namespace	http://www.w3.org/2000/09/xmldsig#												
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 --> </xs:choice> <xs:attribute name="Id" type="ID" use="optional"/> </pre>												

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

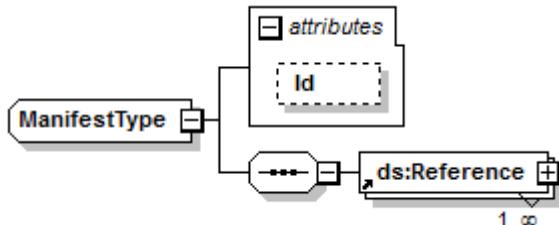
attribute KeyInfoType/@Id

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

complexType KeyValueObjectType

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="KeyValueObjectType" 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 ManifestType

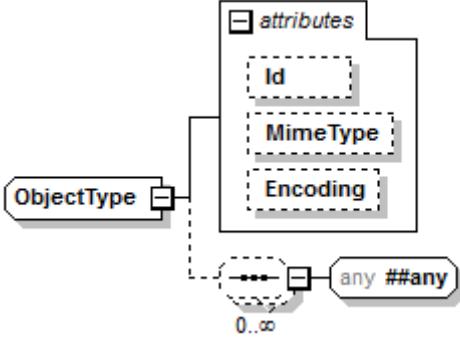
diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
children	ds:Reference

used by	element Manifest					
attributes	Name	Type	Use	Default	Fixed	Annotation
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	 <pre> classDiagram class ObjectType { <<attributes>> <<Id>> <<MimeType>> <<Encoding>> } ObjectType < -- any #> </pre>																								
namespace	http://www.w3.org/2000/09/xmldsig#																								
properties	mixed true																								
used by	element Object																								
attributes	<table border="1"> <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> <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"> <xs:any namespace="##any" processContents="lax"/> </xs:sequence> </xs:complexType></pre>																								

	<pre> </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"/>

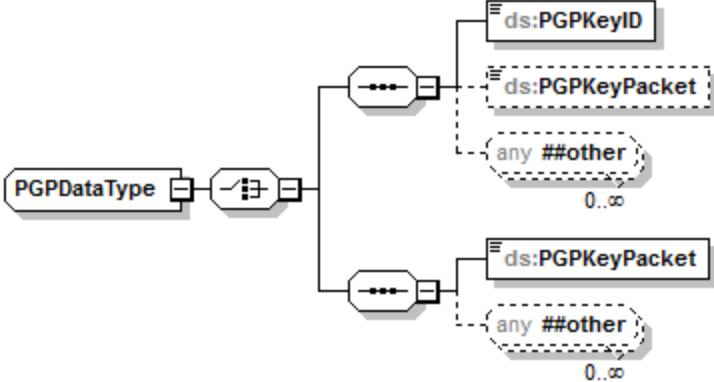
attribute ObjectType/@MimeType

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"/>

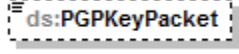
complexType PGPDataType

diagram	 <pre> sequenceDiagram participant PGPDataType as PGPDataType participant PGPKeyID as ds:PGPKeyID participant PGPKeyPacket as ds:PGPKeyPacket participant Any as any ##other PGPDataType->>PGPKeyID: activate PGPKeyID PGPKeyID->>Any: activate Any Any-->>PGPKeyID: deactivate Any deactivate PGPKeyID PGPDataType->>PGPKeyPacket: activate PGPKeyPacket PGPKeyPacket->>Any: activate Any Any-->>PGPKeyPacket: deactivate Any deactivate PGPKeyPacket </pre>
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	<pre> <xs:element name="PGPKeyID" type="base64Binary"/> </pre>

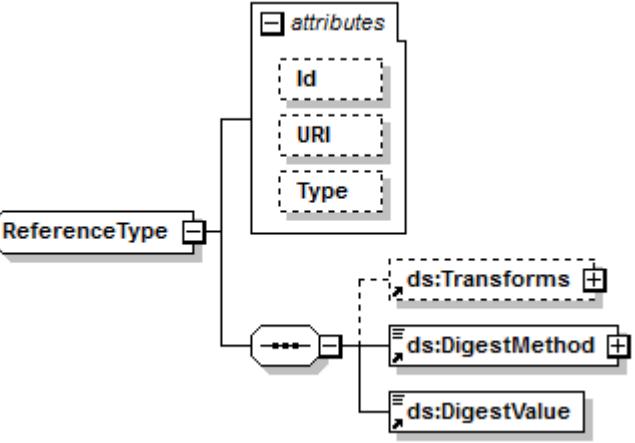
element PGPDataType/PGPKeyPacket

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	<pre><xs:attribute name="Id" type="ID" use="optional"/></pre>

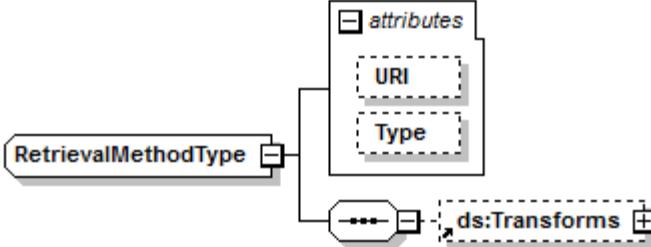
attribute ReferenceType/@URI

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

attribute ReferenceType/@Type

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

complexType RetrievalMethodType

diagram	 <pre> classDiagram class RetrievalMethodType { attribute URI attribute Type reference ds:Transforms } </pre>																		
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>																		

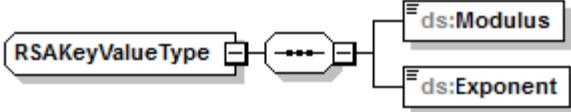
attribute RetrievalMethodType/@URI

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

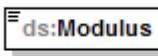
attribute RetrievalMethodType/@Type

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>

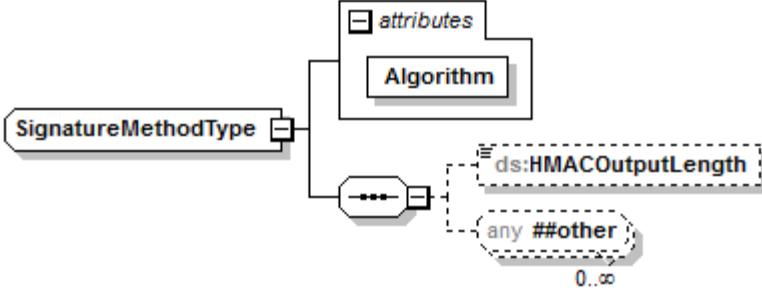
element RSAKeyValue/Modulus

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>

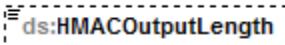
complexType **SignatureMethodType**

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**

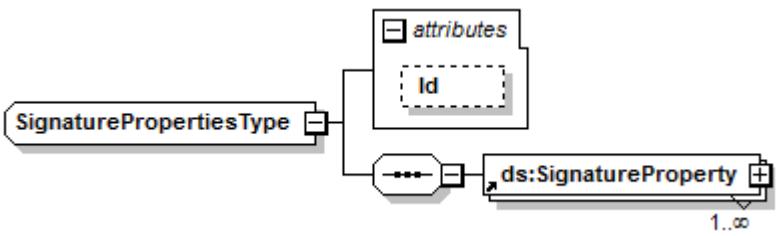
type	xs:anyURI
properties	use required
source	<pre><xs:attribute name="Algorithm" type="anyURI" use="required"/></pre>

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>

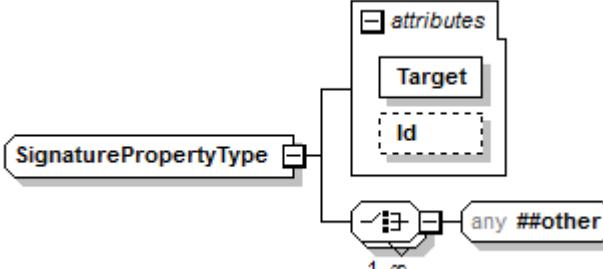
complexType **SignaturePropertiesType**

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 **Signature.PropertyType**

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="Signature.PropertyType" 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>																		

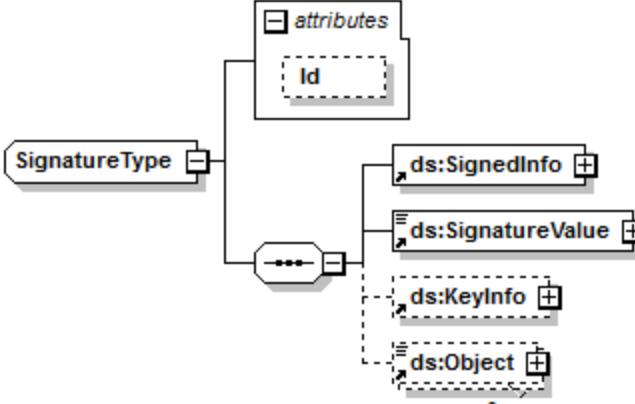
attribute **Signature.PropertyType/@Target**

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

attribute **Signature.PropertyType/@Id**

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

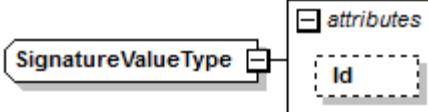
complexType SignatureType

diagram													
namespace	http://www.w3.org/2000/09/xmldsig#												
children	ds:SignedInfo ds:SignatureValue ds:KeyInfo ds:Object												
used by	elements Signature recuperaListaAntenas/Signature buscaPassagensPorAntena/Signature buscaPassagensPorMDFe/Signature configuraAntenas/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

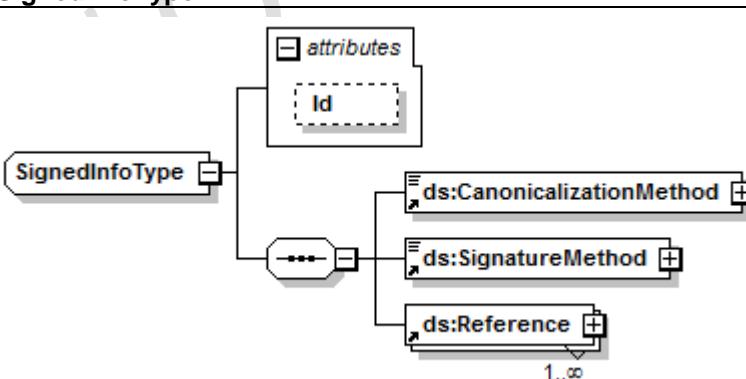
diagram	
---------	---

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	<pre><xs:attribute name="Id" type="ID" use="optional"/></pre>

complexType **SignedInfoType**

diagram	 <pre> classDiagram class SignedInfoType { attribute Id association "*" -- "ds:CanonicalizationMethod" association "*" -- "ds:SignatureMethod" association "*" -- "ds:Reference" as "1..∞" } class ds:CanonicalizationMethod class ds:SignatureMethod class ds: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"></pre>												

	<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"/>

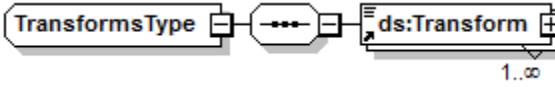
complexType SPKIDataType

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>

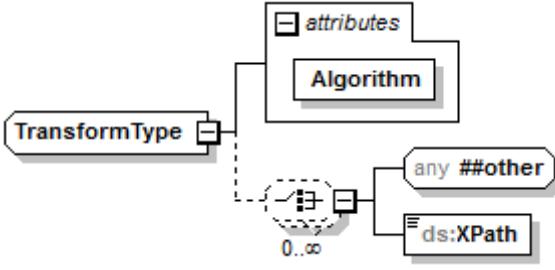
element SPKIDataType/SPKISexp

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>												

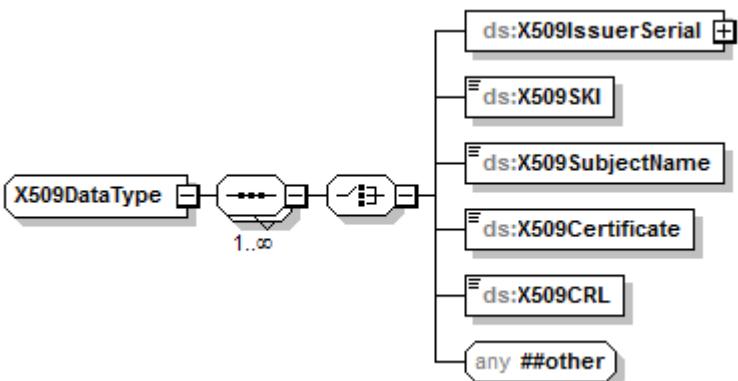
attribute TransformType/@Algorithm

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

element TransformType/XPath

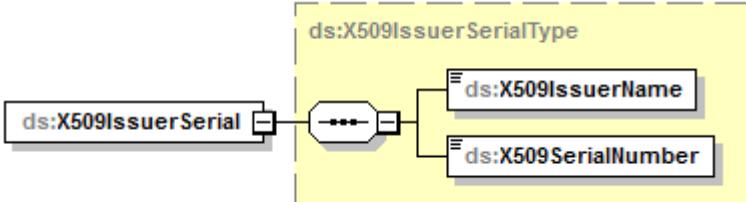
diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
type	xs:string
properties	content simple
source	<xs:element name="XPath" type="string"/>

complexType X509DataType

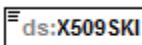
diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
children	ds:X509IssuerSerial ds:X509SKI ds:X509SubjectName ds:X509Certificate ds:X509CRL
used by	element X509Data
source	<pre> <xs:complexType name="X509DataType"> <xs:sequence maxOccurs="unbounded"> <xs:choice> <xs:element name="X509IssuerSerial" 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>

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

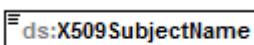
element X509DataType/X509IssuerSerial

diagram	 <pre> classDiagram class dsX509IssuerSerialType { dsX509IssuerSerial dsX509IssuerName dsX509SerialNumber } dsX509IssuerSerial <-->* dsX509IssuerSerialType </pre>
namespace	http://www.w3.org/2000/09/xmldsig#
type	ds:X509IssuerSerialType
properties	content complex
children	ds:X509IssuerName ds:X509SerialNumber
source	<code><xs:element name="X509IssuerSerial" type="ds:X509IssuerSerialType"/></code>

element X509DataType/X509SKI

diagram	 <pre> classDiagram class dsX509SKI </pre>
namespace	http://www.w3.org/2000/09/xmldsig#
type	xs:base64Binary
properties	content simple
source	<code><xs:element name="X509SKI" type="base64Binary"/></code>

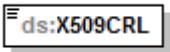
element X509DataType/X509SubjectName

diagram	 <pre> classDiagram class dsX509SubjectName </pre>
namespace	http://www.w3.org/2000/09/xmldsig#
type	xs:string
properties	content simple
source	<code><xs:element name="X509SubjectName" type="string"/></code>

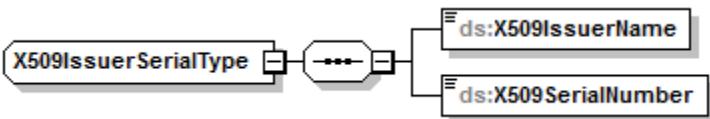
element X509DataType/X509Certificate

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

element X509DataType/X509CRL

diagram	
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	
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>

XML Schema documentation generated by [XML Spy](#) Schema Editor <http://www.altova.com/xmlspy>

VERSAO PRELIMINAR

4.6 SCHEMA RELACIONADO AOS MÉTODOS DO FISCAL

Schema **BackofficeBrasilldFiscal.xsd**

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

Elements

Complex types

buscaAssociacaoChaveMDFeObuid	buscaAssociacaoChaveMDFeObuid
buscaAssociacaoChaveMDFeObuidResponse	buscaAssociacaoChaveMDFeObuidResponse
buscaAssociacaoVeiculoObuid	buscaAssociacaoVeiculoObuid
buscaAssociacaoVeiculoObuidResponse	buscaAssociacaoVeiculoObuidResponse
buscaGrupoObuid	buscaGrupoObuid
buscaGrupoObuidResponse	buscaGrupoObuidResponse
buscaPassagens	buscaPassagens
buscaPassagensPorPeriodo	buscaPassagensPorPeriodo
buscaPassagensPorPeriodoResponse	buscaPassagensPorPeriodoResponse
buscaPassagensResponse	buscaPassagensResponse
	wsChaveMDFeObuid
	wsGrupoObuid
	wsPassagem
	wsResult
	wsVeiculoObuid

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#>

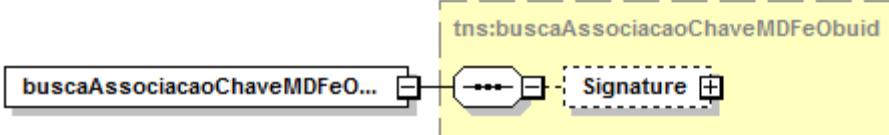
Elements

Complex types

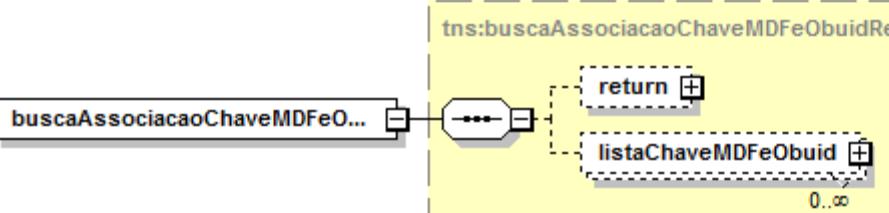
Simple types

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	SignatureProperty	
Signature	SignatureType	
SignatureMethod	SignatureValue	
SignatureProperties	SignedInfo	
SignatureProperty	SPKID	
SignatureValue	Transforms	
SignedInfo	Transform	
SPKID	X509	
Transform	X509IssuerSerial	
Transforms		
X509		

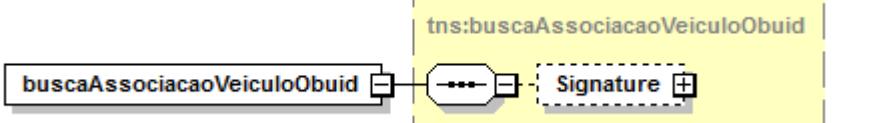
element buscaAssociacaoChaveMDFeObuid

diagram	 <pre> sequenceDiagram participant P1 participant S P1->>S: buscaAssociacaoChaveMDFeObuid activate S S->>P1: Signature deactivate S </pre>
namespace	http://webservices.brasil-id.org.br/fiscal/
type	tns:buscaAssociacaoChaveMDFeObuid
properties	content complex
children	Signature
source	<xs:element name="buscaAssociacaoChaveMDFeObuid" type="tns:buscaAssociacaoChaveMDFeObuid"/>

element buscaAssociacaoChaveMDFeObuidResponse

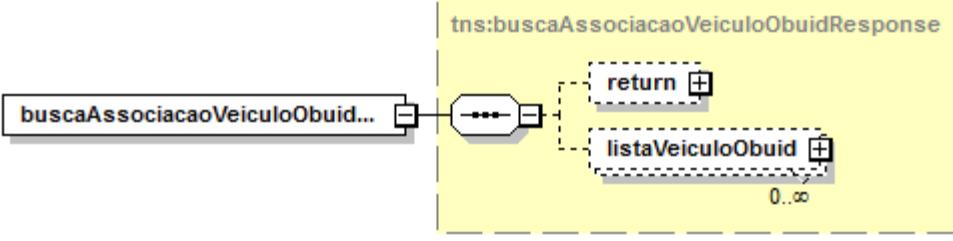
diagram	 <pre> sequenceDiagram participant P1 participant S P1->>S: buscaAssociacaoChaveMDFeObuid activate S S->>P1: return listaChaveMDFeObuid [0..∞] deactivate S </pre>
namespace	http://webservices.brasil-id.org.br/fiscal/
type	tns:buscaAssociacaoChaveMDFeObuidResponse
properties	content complex
children	return listaChaveMDFeObuid
source	<xs:element name="buscaAssociacaoChaveMDFeObuidResponse" type="tns:buscaAssociacaoChaveMDFeObuidResponse"/>

element buscaAssociacaoVeiculoObuid

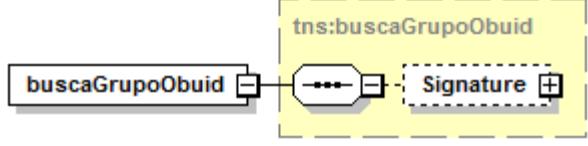
diagram	 <pre> sequenceDiagram participant P1 participant S P1->>S: buscaAssociacaoVeiculoObuid activate S S->>P1: Signature deactivate S </pre>
namespace	http://webservices.brasil-id.org.br/fiscal/
type	tns:buscaAssociacaoVeiculoObuid
properties	content complex

children	Signature
source	<xs:element name="buscaAssociacaoVeiculoObuid" type="tns:buscaAssociacaoVeiculoObuid"/>

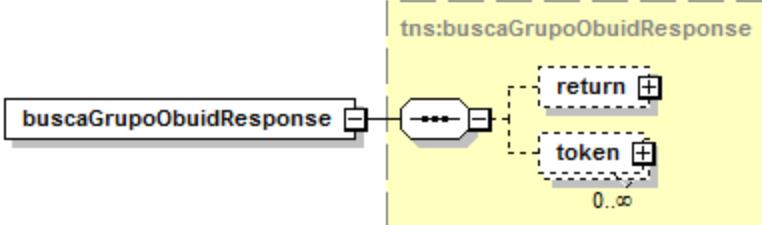
element buscaAssociacaoVeiculoObuidResponse

diagram	 <pre> classDiagram class buscaAssociacaoVeiculoObuid... class tnsbuscaAssociacaoVeiculoObuidResponse { attribute return attribute listaVeiculoObuid } buscaAssociacaoVeiculoObuid... "0..∞" -- "1..1" tnsbuscaAssociacaoVeiculoObuidResponse listaVeiculoObuid "0..∞" </pre>
namespace	http://webservices.brasil-id.org.br/fiscal/
type	tns:buscaAssociacaoVeiculoObuidResponse
properties	content complex
children	return listaVeiculoObuid
source	<xs:element name="buscaAssociacaoVeiculoObuidResponse" type="tns:buscaAssociacaoVeiculoObuidResponse"/>

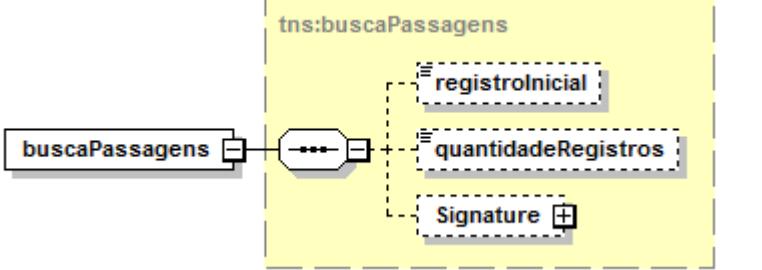
element buscaGrupoObuid

diagram	 <pre> classDiagram class buscaGrupoObuid class tnsbuscaGrupoObuid { attribute Signature } buscaGrupoObuid "0..∞" -- "1..1" tnsbuscaGrupoObuid Signature "1..1" </pre>
namespace	http://webservices.brasil-id.org.br/fiscal/
type	tns:buscaGrupoObuid
properties	content complex
children	Signature
source	<xs:element name="buscaGrupoObuid" type="tns:buscaGrupoObuid"/>

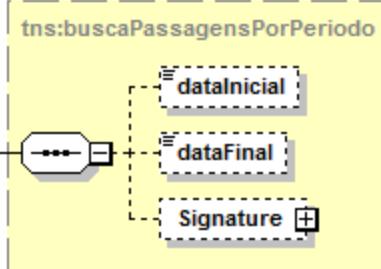
element buscaGrupoObuidResponse

diagram	 <pre> sequenceDiagram participant A participant B A->>B: buscaGrupoObuidResponse activate B B-->>A: return deactivate B activate B B->>A: token deactivate B </pre>
namespace	http://webservices.brasil-id.org.br/fiscal/
type	tns:buscaGrupoObuidResponse
properties	content complex
children	return token
source	<xs:element name="buscaGrupoObuidResponse" type="tns:buscaGrupoObuidResponse"/>

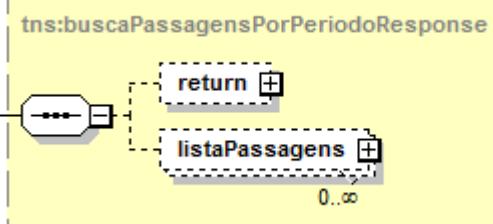
element buscaPassagens

diagram	 <pre> sequenceDiagram participant A participant B A->>B: buscaPassagens activate B B-->>A: registroInicial deactivate B activate B B-->>A: quantidadeRegistros deactivate B activate B B-->>A: Signature deactivate B </pre>
namespace	http://webservices.brasil-id.org.br/fiscal/
type	tns:buscaPassagens
properties	content complex
children	registroInicial quantidadeRegistros Signature
source	<xs:element name="buscaPassagens" type="tns:buscaPassagens"/>

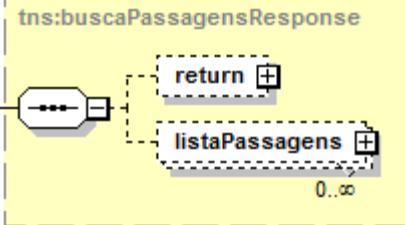
element buscaPassagensPorPeriodo

diagram	 <pre> classDiagram class buscaPassagensPorPeriodo { dataInicial dataFinal Signature } </pre>
namespace	http://webservices.brasil-id.org.br/fiscal/
type	tns:buscaPassagensPorPeriodo
properties	content complex
children	dataInicial dataFinal Signature
source	<pre> <xs:element name="buscaPassagensPorPeriodo" type="tns:buscaPassagensPorPeriodo"/> </pre>

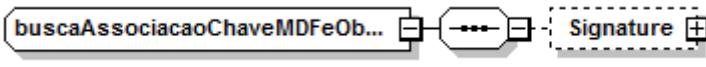
element buscaPassagensPorPeriodoResponse

diagram	 <pre> classDiagram class buscaPassagensPorPeriodoResponse { return listaPassagens } </pre>
namespace	http://webservices.brasil-id.org.br/fiscal/
type	tns:buscaPassagensPorPeriodoResponse
properties	content complex
children	return listaPassagens
source	<pre> <xs:element name="buscaPassagensPorPeriodoResponse" type="tns:buscaPassagensPorPeriodoResponse"/> </pre>

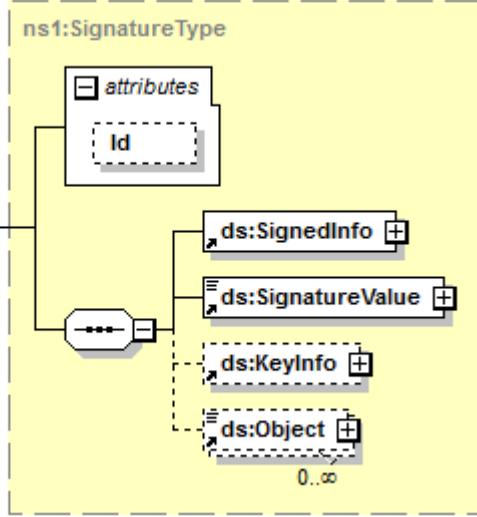
element buscaPassagensResponse

diagram	 <pre> sequenceDiagram participant A participant B A->>B: buscaPassagensResponse activate B B-->>A: return deactivate B B->>A: listaPassagens [0..∞] </pre>
namespace	http://webservices.brasil-id.org.br/fiscal/
type	tns:buscaPassagensResponse
properties	content complex
children	return listaPassagens
source	<pre> <xs:element name="buscaPassagensResponse" type="tns:buscaPassagensResponse"/> </pre>

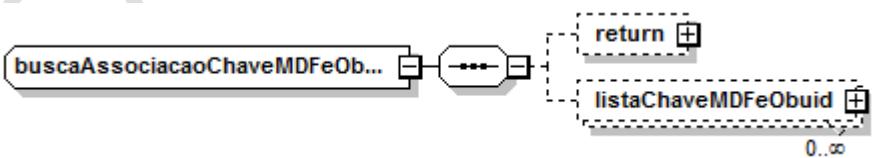
complexType buscaAssociacaoChaveMDFeObuid

diagram	 <pre> sequenceDiagram participant A participant B A->>B: buscaAssociacaoChaveMDFeObuid activate B B-->>A: Signature deactivate B </pre>
namespace	http://webservices.brasil-id.org.br/fiscal/
children	Signature
used by	element buscaAssociacaoChaveMDFeObuid
source	<pre> <xs:complexType name="buscaAssociacaoChaveMDFeObuid"> <xs:sequence> <xs:element name="Signature" type="ns1:SignatureType" minOccurs="0"/> </xs:sequence> </xs:complexType> </pre>

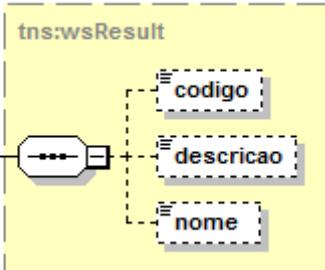
element buscaAssociacaoChaveMDFeObuid/Signature

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	<pre><xs:element name="Signature" type="ns1:SignatureType" minOccurs="0"/></pre>												

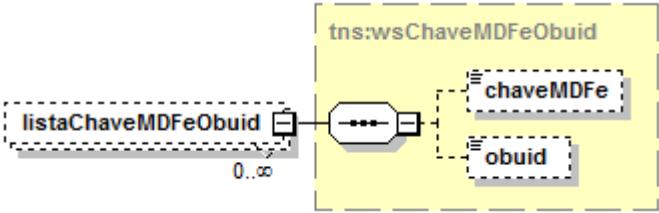
complexType buscaAssociacaoChaveMDFeObuidResponse

diagram	
namespace	http://webservices.brasil-id.org.br/fiscal/
children	return listaChaveMDFeObuid
used by	element buscaAssociacaoChaveMDFeObuidResponse
source	<pre><xs:complexType name="buscaAssociacaoChaveMDFeObuidResponse"> <xs:sequence> <xs:element name="return" type="tns:wsResult" minOccurs="0"/> <xs:element name="listaChaveMDFeObuid" type="tns:wsChaveMDFeObuid" minOccurs="0" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType></pre>

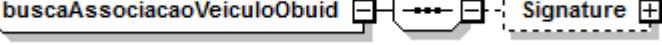
element buscaAssociacaoChaveMDFeObuidResponse/return

diagram	 <pre> classDiagram class tns_wsResult { codigo descricao nome } class return { <<tns_wsResult>> } tns_wsResult "1" --> "1" return </pre>
type	tns:wsResult
properties	minOcc 0 maxOcc 1 content complex
children	codigo descricao nome
source	<code><xs:element name="return" type="tns:wsResult" minOccurs="0"/></code>

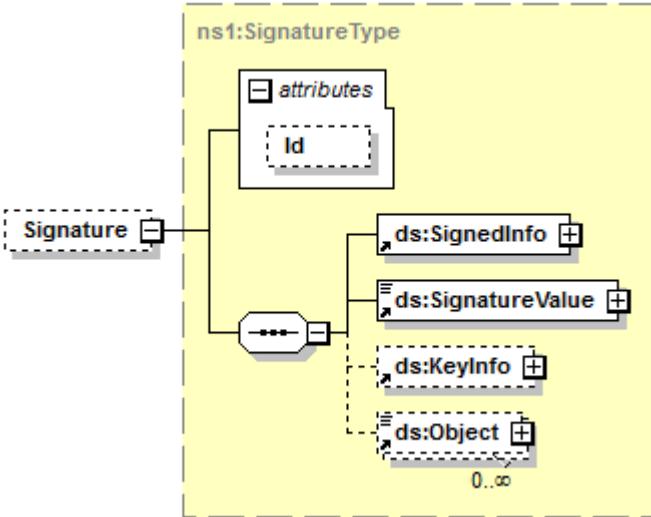
element buscaAssociacaoChaveMDFeObuidResponse/listaChaveMDFeObuid

diagram	 <pre> classDiagram class tns_wsChaveMDFeObuid { chaveMDFe obuid } class listaChaveMDFeObuid { <<tns_wsChaveMDFeObuid>> } listaChaveMDFeObuid "0..infinity" --> "1" tns_wsChaveMDFeObuid </pre>
type	tns:wsChaveMDFeObuid
properties	minOcc 0 maxOcc unbounded content complex
children	chaveMDFe obuid
source	<code><xs:element name="listaChaveMDFeObuid" type="tns:wsChaveMDFeObuid" minOccurs="0" maxOccurs="unbounded"/></code>

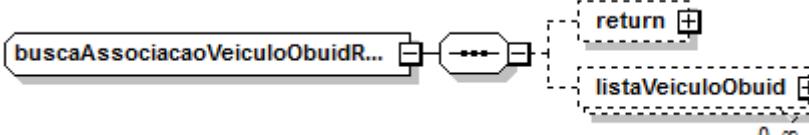
complexType buscaAssociacaoVeiculoObuid

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

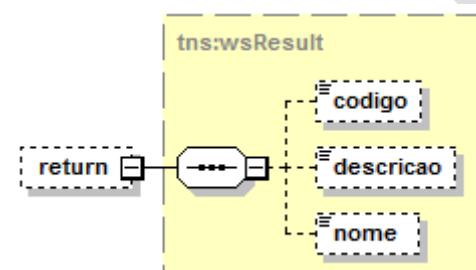
element buscaAssociacaoVeiculoObuid/Signature

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>												

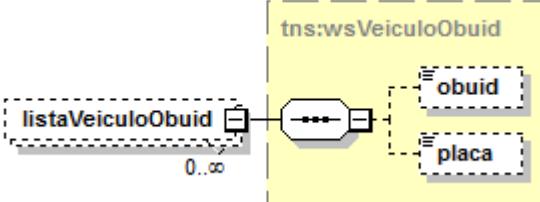
complexType buscaAssociacaoVeiculoObuidResponse

diagram	 <pre> sequenceDiagram participant A as buscaAssociacaoVeiculoObuidResponse participant B as listaVeiculoObuid A->>B: return activate B -->> B: listaVeiculoObuid [0..∞] </pre>
namespace	http://webservices.brasil-id.org.br/fiscal/
children	return listaVeiculoObuid
used by	element buscaAssociacaoVeiculoObuidResponse
source	<pre> <xs:complexType name="buscaAssociacaoVeiculoObuidResponse"> <xs:sequence> <xs:element name="return" type="tns:wsResult" minOccurs="0"/> <xs:element name="listaVeiculoObuid" type="tns:wsVeiculoObuid" minOccurs="0" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType> </pre>

element buscaAssociacaoVeiculoObuidResponse/return

diagram	 <pre> classDiagram class tns:wsResult { codigo descricao nome } return --> tns:wsResult </pre>						
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>complex</td> </tr> </table>	minOcc	0	maxOcc	1	content	complex
minOcc	0						
maxOcc	1						
content	complex						
children	codigo descricao nome						
source	<pre> <xs:element name="return" type="tns:wsResult" minOccurs="0"/> </pre>						

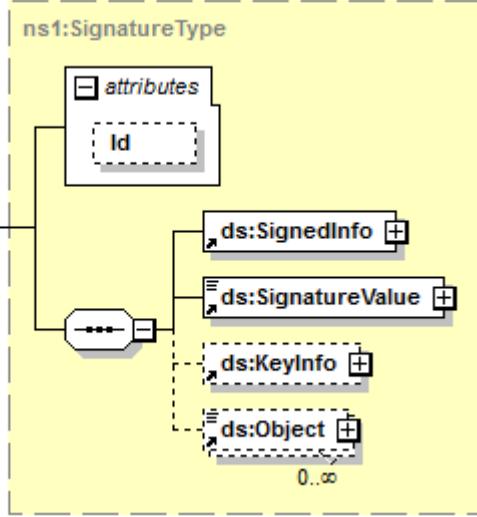
element buscaAssociacaoVeiculoObuidResponse/listaVeiculoObuid

diagram	
type	tns:wsVeiculoObuid
properties	minOcc 0 maxOcc unbounded content complex
children	obuid placa
source	<pre><xs:element name="listaVeiculoObuid" type="tns:wsVeiculoObuid" minOccurs="0" maxOccurs="unbounded"/></pre>

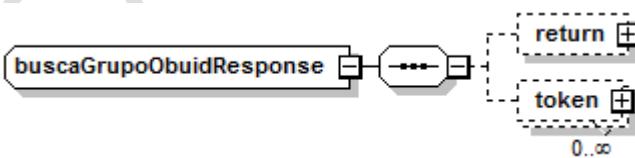
complexType buscaGrupoObuid

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

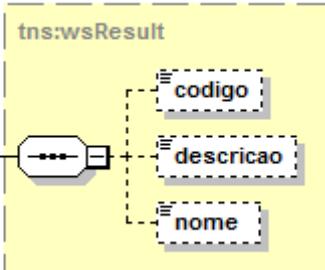
element buscaGrupoObuid/Signature

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>												

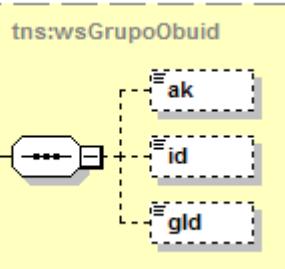
complexType buscaGrupoObuidResponse

diagram	
namespace	http://webservices.brasil-id.org.br/fiscal/
children	return token
used by	element buscaGrupoObuidResponse
source	<pre> <xs:complexType name="buscaGrupoObuidResponse"> <xs:sequence> <xs:element name="return" type="tns:wsResult" minOccurs="0"/> <xs:element name="token" type="tns:wsGrupoObuid" minOccurs="0" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType> </pre>

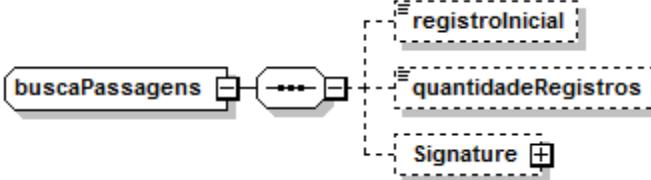
element buscaGrupoObuidResponse/return

diagram	 <pre> classDiagram class tns_wsResult { codigo descricao nome } return --> tns_wsResult </pre>
type	tns:wsResult
properties	minOcc 0 maxOcc 1 content complex
children	codigo descricao nome
source	<code><xs:element name="return" type="tns:wsResult" minOccurs="0"/></code>

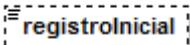
element buscaGrupoObuidResponse/token

diagram	 <pre> classDiagram class tns_wsGrupoObuid { ak id gld } token --> tns_wsGrupoObuid token *--> tns_wsGrupoObuid </pre>
type	tns:wsGrupoObuid
properties	minOcc 0 maxOcc unbounded content complex
children	ak id gld
source	<code><xs:element name="token" type="tns:wsGrupoObuid" minOccurs="0" maxOccurs="unbounded"/></code>

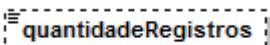
complexType buscaPassagens

diagram	
namespace	http://webservices.brasil-id.org.br/fiscal/
children	registroInicial quantidadeRegistros Signature
used by	element buscaPassagens
source	<pre><xs:complexType name="buscaPassagens"> <xs:sequence> <xs:element name="registroInicial" type="xs:long" minOccurs="0"/> <xs:element name="quantidadeRegistros" type="xs:int" minOccurs="0"/> <xs:element name="Signature" type="ns1:SignatureType" minOccurs="0"/> </xs:sequence> </xs:complexType></pre>

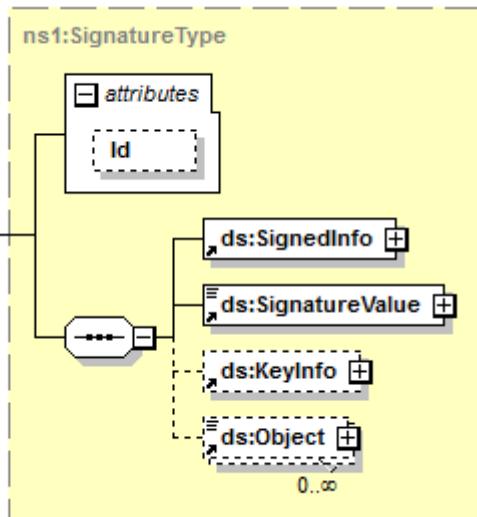
element buscaPassagens/registroInicial

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

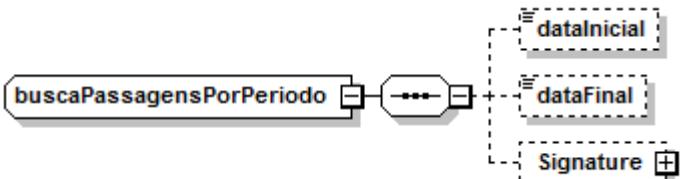
element buscaPassagens/quantidadeRegistros

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

element buscaPassagens/Signature

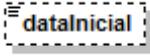
diagram													
type	ds:SignatureType												
properties	minOcc 0 maxOcc 1 content complex												
children	ds:SignedInfo ds:SignatureValue ds:KeyInfo ds:Object												
attributes	<table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</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 buscaPassagensPorPeriodo

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

	<code></xs:sequence></code> <code></xs:complexType></code>
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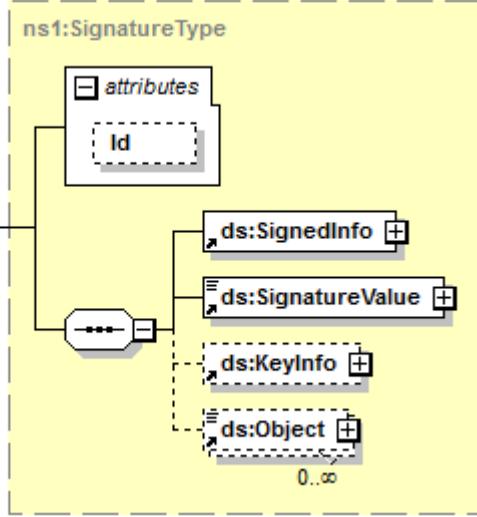
element buscaPassagensPorPeriodo/datalInicial

diagram	 datalInicial
type	xs:dateTime
properties	minOcc 0 maxOcc 1 content simple
source	<code><xs:element name="datalInicial" type="xs:dateTime" minOccurs="0"/></code>

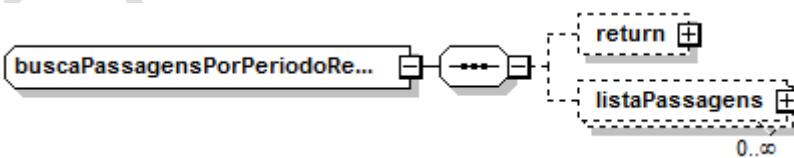
element buscaPassagensPorPeriodo/dataFinal

diagram	 dataFinal
type	xs:dateTime
properties	minOcc 0 maxOcc 1 content simple
source	<code><xs:element name="dataFinal" type="xs:dateTime" minOccurs="0"/></code>

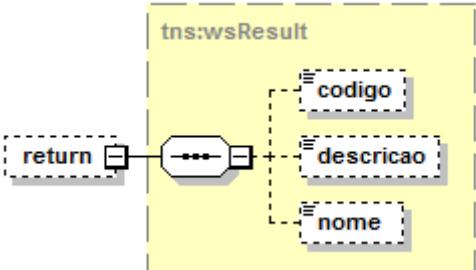
element buscaPassagensPorPeriodo/Signature

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>												

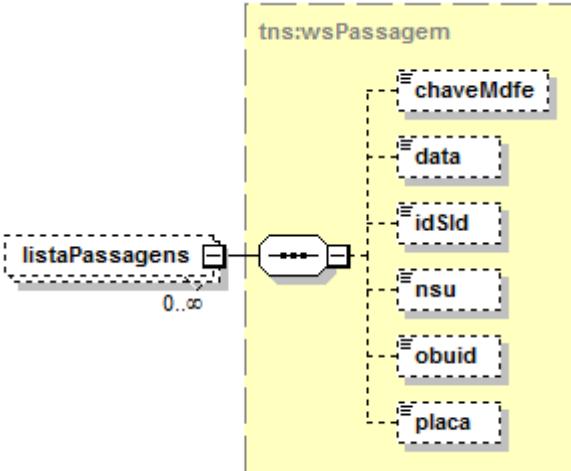
complexType buscaPassagensPorPeriodoResponse

diagram	
namespace	http://webservices.brasil-id.org.br/fiscal/
children	return listaPassagens
used by	element buscaPassagensPorPeriodoResponse
source	<pre><xs:complexType name="buscaPassagensPorPeriodoResponse"> <xs:sequence> <xs:element name="return" type="tns:wsResult" minOccurs="0"/> <xs:element name="listaPassagens" type="tns:wsPassagem" minOccurs="0" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType></pre>

element buscaPassagensPorPeriodoResponse/return

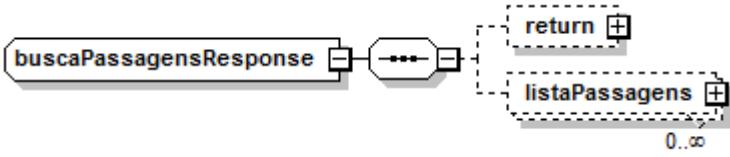
diagram	
type	tns:wsResult
properties	<p>minOcc 0</p> <p>maxOcc 1</p> <p>content complex</p>
children	codigo descricao nome
source	<code><xs:element name="return" type="tns:wsResult" minOccurs="0"/></code>

element buscaPassagensPorPeriodoResponse/listaPassagens

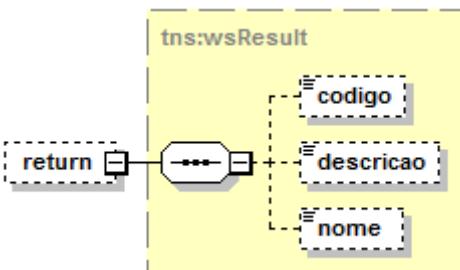
diagram	
type	tns:wsPassagem
properties	<p>minOcc 0</p> <p>maxOcc unbounded</p> <p>content complex</p>
children	chaveMdfe data idSId nsu obuid placa
source	<code><xs:element name="listaPassagens" type="tns:wsPassagem" minOccurs="0"/></code>

	maxOccurs="unbounded"/>
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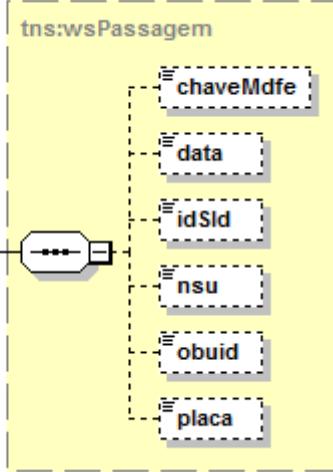
complexType buscaPassagensResponse

diagram	 <pre> buscaPassagensResponse ---+---+ +---+ return [] +-----+ listaPassagens [] 0..∞ </pre>
namespace	http://webservices.brasil-id.org.br/fiscal/
children	return listaPassagens
used by	element buscaPassagensResponse
source	<pre> <xs:complexType name="buscaPassagensResponse"> <xs:sequence> <xs:element name="return" type="tns:wsResult" minOccurs="0"/> <xs:element name="listaPassagens" type="tns:wsPassagem" minOccurs="0" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType> </pre>

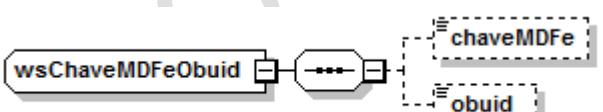
element buscaPassagensResponse/return

diagram	 <pre> return [] ---+---+ +---+ tns:wsResult +---+ codigo [] +---+ descricao [] +---+ nome [] </pre>
type	tns:wsResult
properties	minOcc 0 maxOcc 1 content complex
children	codigo descricao nome
source	<pre> <xs:element name="return" type="tns:wsResult" minOccurs="0"/> </pre>

element buscaPassagensResponse/listaPassagens

diagram	 <pre> sequenceDiagram participant listaPassagens participant wsPassagem listaPassagens->>wsPassagem: activate wsPassagem wsPassagem-->>listaPassagens: deactivate listaPassagens deactivate wsPassagem </pre>
type	tns:wsPassagem
properties	minOcc 0 maxOcc unbounded content complex
children	chaveMdfe data idSId nsu obuid placa
source	<pre> <xs:element name="listaPassagens" type="tns:wsPassagem" minOccurs="0" maxOccurs="unbounded"/> </pre>

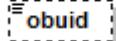
complexType wsChaveMDFeObuid

diagram	 <pre> sequenceDiagram participant wsChaveMDFeObuid participant chaveMDFe wsChaveMDFeObuid->>chaveMDFe: activate chaveMDFe chaveMDFe-->>wsChaveMDFeObuid: deactivate wsChaveMDFeObuid deactivate chaveMDFe </pre>
namespace	http://webservices.brasil-id.org.br/fiscal/
children	chaveMDFe obuid
used by	element buscaAssociacaoChaveMDFeObuidResponse/listaChaveMDFeObuid
source	<pre> <xs:complexType name="wsChaveMDFeObuid"> <xs:sequence> <xs:element name="chaveMDFe" type="xs:string" minOccurs="0"/> <xs:element name="obuid" type="xs:string" minOccurs="0"/> </xs:sequence> </xs:complexType> </pre>

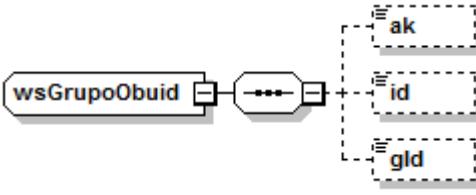
element wsChaveMDFeObuid/chaveMDFe

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

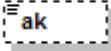
element wsChaveMDFeObuid/obuid

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

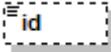
complexType wsGrupoObuid

diagram	
namespace	http://webservices.brasil-id.org.br/fiscal/
children	ak id gld
used by	element buscaGrupoObuidResponse/token
source	<pre> <xs:complexType name="wsGrupoObuid"> <xs:sequence> <xs:element name="ak" type="xs:string" minOccurs="0"/> <xs:element name="id" type="xs:long" minOccurs="0"/> <xs:element name="gld" type="xs:long" minOccurs="0"/> </xs:sequence> </xs:complexType> </pre>

element wsGrupoObuid/ak

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

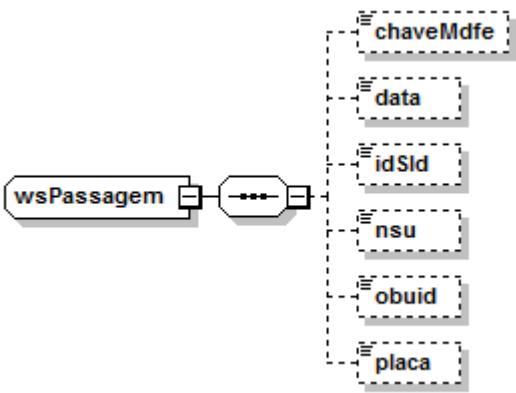
element wsGrupoObuid/id

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

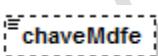
element wsGrupoObuid/gld

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

complexType wsPassagem

diagram	 <pre> classDiagram wsPassagem { chaveMdfe data idSld nsu obuid placa } </pre>
namespace	http://webservices.brasil-id.org.br/fiscal/
children	chaveMdfe data idSld nsu obuid placa
used by	elements buscaPassagensResponse/listaPassagens buscaPassagensPorPeriodoResponse/listaPassagens
source	<pre> <xs:complexType name="wsPassagem"> <xs:sequence> <xs:element name="chaveMdfe" type="xs:string" minOccurs="0"/> <xs:element name="data" type="xs:dateTime" minOccurs="0"/> <xs:element name="idSld" type="xs:long" minOccurs="0"/> <xs:element name="nsu" type="xs:string" minOccurs="0"/> <xs:element name="obuid" type="xs:string" minOccurs="0"/> <xs:element name="placa" type="xs:string" minOccurs="0"/> </xs:sequence> </xs:complexType> </pre>

element wsPassagem/chaveMdfe

diagram	 <pre> classDiagram wsPassagem { chaveMdfe } </pre>
type	xs:string
properties	minOcc 0 maxOcc 1 content simple
source	<pre> <xs:element name="chaveMdfe" type="xs:string" minOccurs="0"/> </pre>

element wsPassagem/data

diagram	 <pre> classDiagram wsPassagem { data } </pre>
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type	xs:dateTime
properties	minOcc 0 maxOcc 1 content simple
source	<xs:element name="data" type="xs:dateTime" minOccurs="0"/>

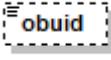
element wsPassagem/idSId

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

element wsPassagem/nsu

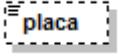
diagram	
type	xs:string
properties	minOcc 0 maxOcc 1 content simple
source	<xs:element name="nsu" type="xs:string" minOccurs="0"/>

element wsPassagem/obuid

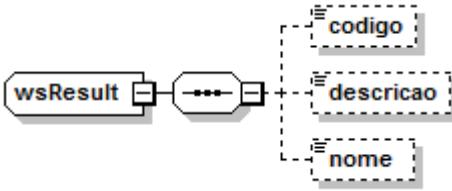
diagram	
type	xs:string
properties	minOcc 0 maxOcc 1

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

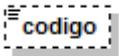
element wsPassagem/placa

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

complexType wsResult

diagram	
namespace	http://webservices.brasil-id.org.br/fiscal/
children	<u>codigo</u> <u>descricao</u> <u>nome</u>
used by	elements <u>buscaPassagensResponse/return</u> <u>buscaPassagensPorPeriodoResponse/return</u> <u>buscaAssociacaoVeiculoObuidResponse/return</u> <u>buscaAssociacaoChaveMDFeObuidResponse/return</u> <u>buscaGrupoObuidResponse/return</u>
source	<pre> <xs:complexType name="wsResult"> <xs:sequence> <xs:element name="codigo" type="xs:string" minOccurs="0"/> <xs:element name="descricao" type="xs:string" minOccurs="0"/> <xs:element name="nome" type="xs:string" minOccurs="0"/> </xs:sequence> </xs:complexType> </pre>

element wsResult/codigo

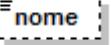
diagram	
---------	---

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

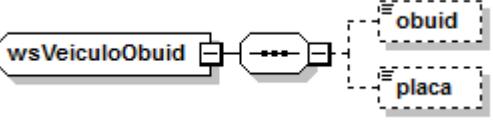
element wsResult/descricao

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

element wsResult/nome

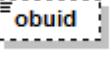
diagram	
type	xs:string
properties	minOcc 0 maxOcc 1 content simple
source	<xs:element name="nome" type="xs:string" minOccurs="0"/>

complexType wsVeiculoObuid

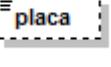
diagram	
namespace	http://webservices.brasil-id.org.br/fiscal/
children	obuid placa

used by	element buscaAssociacaoVeiculoObuidResponse/listaVeiculoObuid
source	<pre><xs:complexType name="wsVeiculoObuid"> <xs:sequence> <xs:element name="obuid" type="xs:string" minOccurs="0"/> <xs:element name="placa" type="xs:string" minOccurs="0"/> </xs:sequence> </xs:complexType></pre>

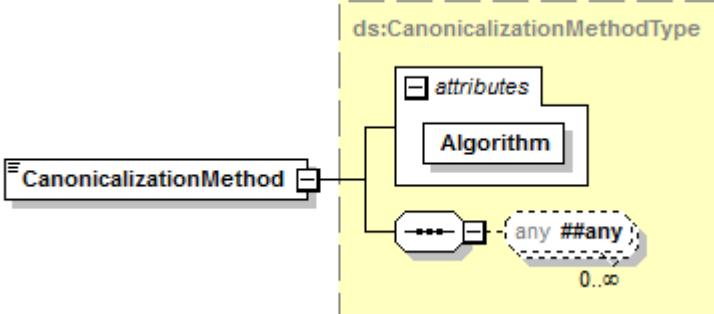
element wsVeiculoObuid/obuid

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

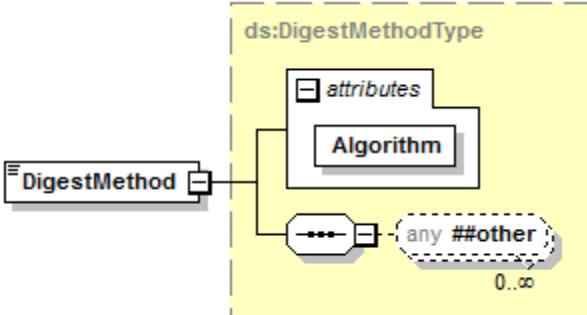
element wsVeiculoObuid/placa

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

element 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

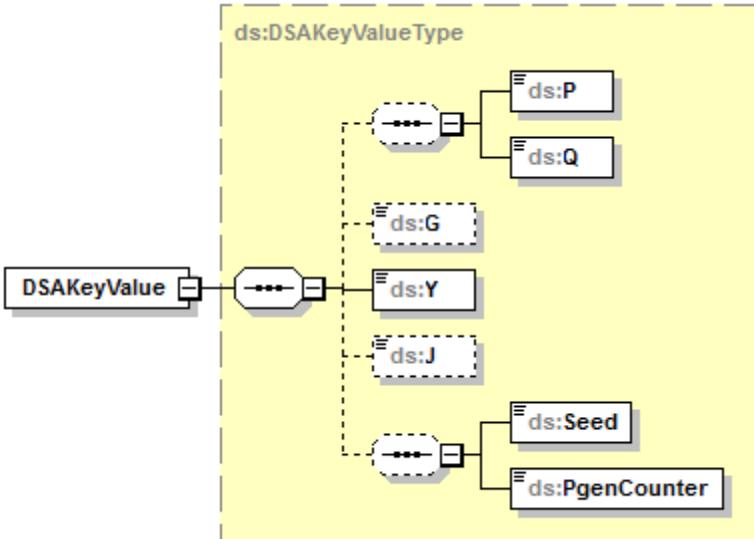
diagram													
namespace	http://www.w3.org/2000/09/xmldsig#												
type	ds:DigestMethodType												
properties	content complex mixed true												
used by	complexType ReferenceType												
attributes	<table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <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	<xs:element name="DigestMethod" type="ds:DigestMethodType"/>
--------	--

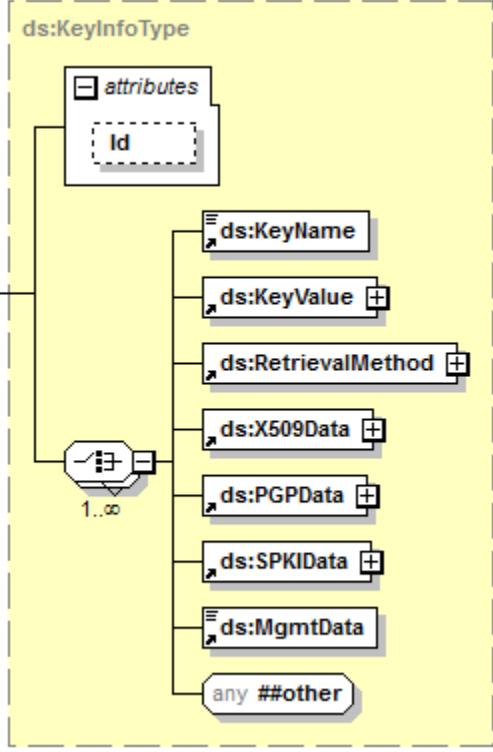
element DigestValue

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

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 KeyValueType
source	<xs:element name="DSAKeyValue" type="ds:DSAKeyValueType"/>

element KeyInfo

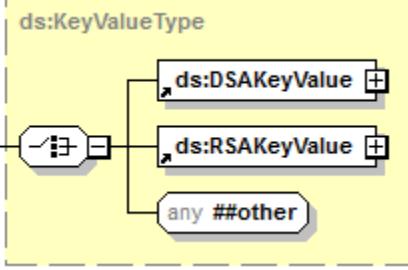
diagram	 <pre> classDiagram class KeyInfo class dsKeyInfoType { attribute id dsKeyName dsKeyValue dsRetrievalMethod dsX509Data dsPGPData dsSPKIData dsMgmtData any ##other } KeyInfo "1..∞" --> dsKeyInfoType </pre>												
namespace	http://www.w3.org/2000/09/xmldsig#												
type	ds:KeyInfoType												
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

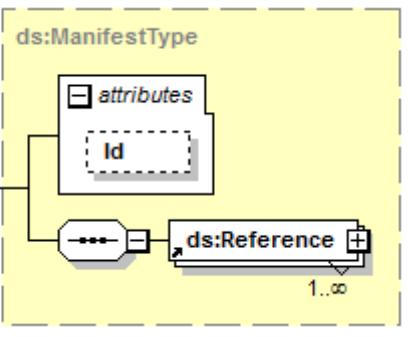
diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
type	xs:string
properties	content simple
used by	complexType KeyInfoType

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

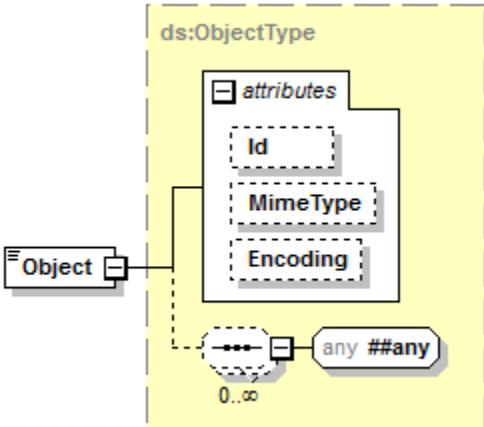
diagram													
namespace	http://www.w3.org/2000/09/xmldsig#												
type	ds:ManifestType												
properties	content complex												
children	ds:Reference												
attributes	<table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</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="Manifest" type="ds:ManifestType"/>
--------	--

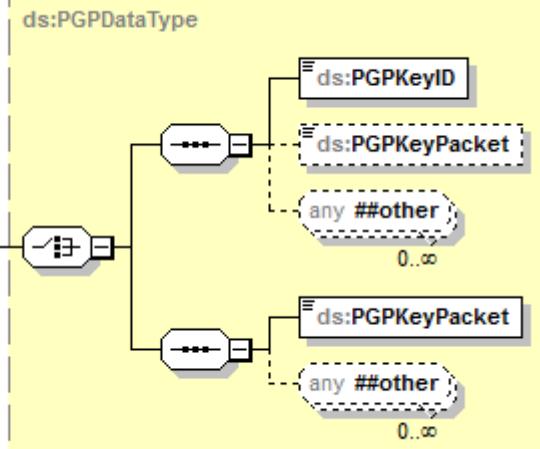
element MgmtData

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"/>

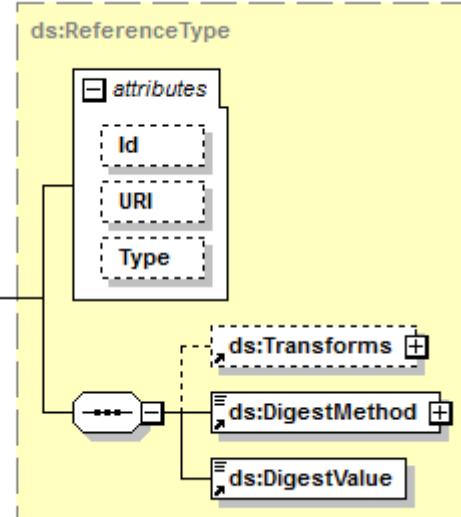
element Object

diagram																									
namespace	http://www.w3.org/2000/09/xmldsig#																								
type	ds:ObjectType																								
properties	content complex mixed true																								
used by	complexType SignatureType																								
attributes	<table> <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	<xs:element name="Object" type="ds:ObjectType"/>																								

element PGPData

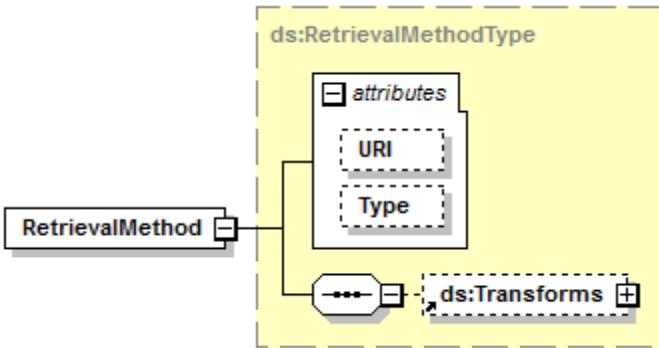
diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
type	ds:PGPDataType
properties	content complex
children	ds:PGPKeyID ds:PGPKeyPacket ds:PGPKeyPacket
used by	complexType KeyInfoType
source	<code><xs:element name="PGPData" type="ds:PGPDataType"/></code>

element Reference

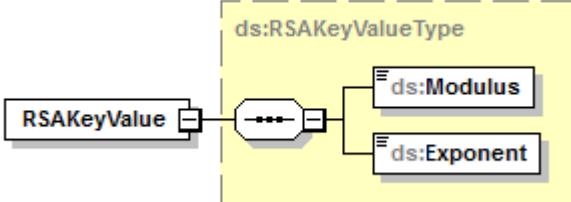
diagram	
namespace	http://www.w3.org/2000/09/xmldsig#

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"/>					

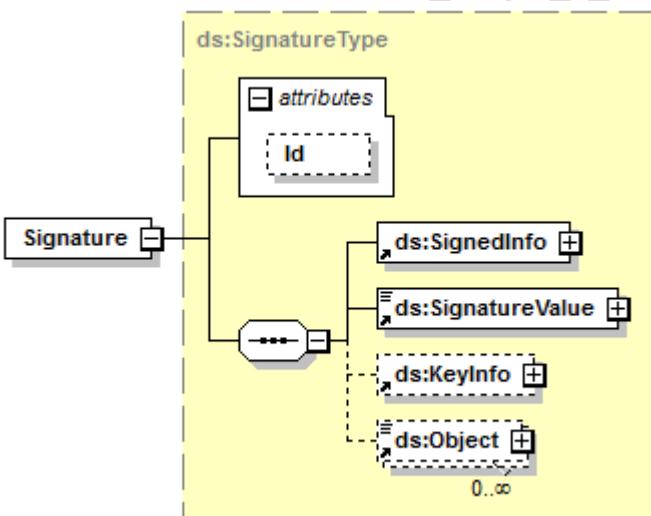
element RetrievalMethod

diagram	 <pre> classDiagram class RetrievalMethod class dsRetrievalMethodType { attribute URI attribute Type association dsTransforms } RetrievalMethod "1" -- "1" dsRetrievalMethodType dsRetrievalMethodType "*" -- "*" dsTransforms </pre>																		
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"/>																		

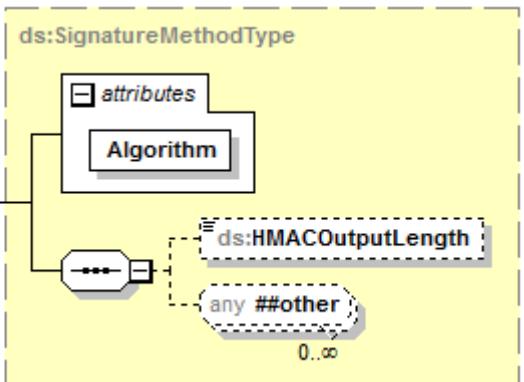
element RSAKeyValue

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	<code><xs:element name="RSAKeyValue" type="ds:RSAKeyValueType"/></code>

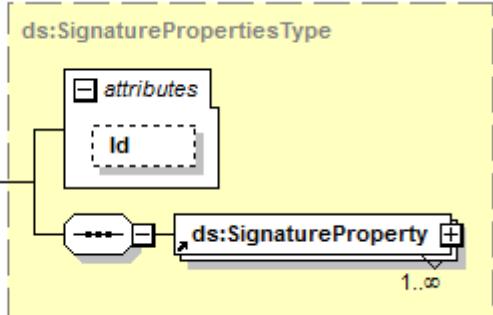
element Signature

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	<code><xs:element name="Signature" type="ds:SignatureType"/></code>												

element SignatureMethod

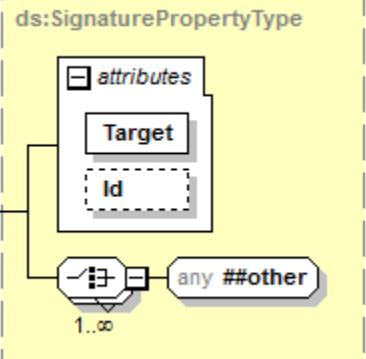
diagram	 <pre> classDiagram class SignatureMethod { <<ds:SignatureMethodType>> } class ds.SignatureMethodType { <<ds:SignatureMethodType>> attribute Algorithm attribute ds.HMACOutputLength <<any ##other>> } SignatureMethod < -- ds.SignatureMethodType </pre>												
namespace	http://www.w3.org/2000/09/xmldsig#												
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

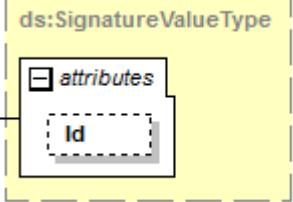
diagram	 <pre> classDiagram class SignatureProperties { <<ds:SignaturePropertiesType>> } class ds.SignaturePropertiesType { <<ds:SignaturePropertiesType>> attribute Id attribute ds.SignatureProperty <<any ##other>> } SignatureProperties < -- ds.SignaturePropertiesType </pre>												
namespace	http://www.w3.org/2000/09/xmldsig#												
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></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Name	Type	Use	Default	Fixed	Annotation						
Name	Type	Use	Default	Fixed	Annotation								

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

element SignatureProperty

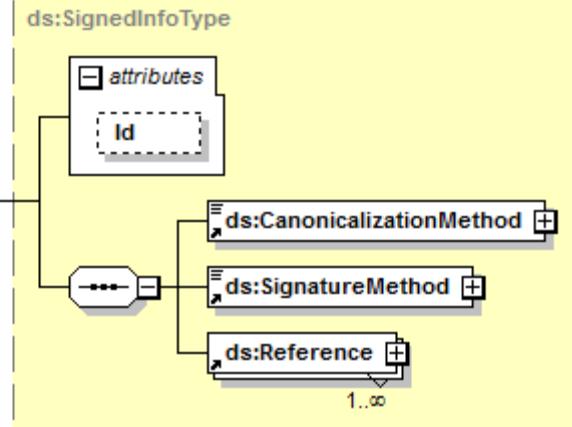
diagram																			
namespace	http://www.w3.org/2000/09/xmldsig#																		
type	ds:SignaturePropertyType																		
properties	content complex mixed true																		
used by	complexType SignaturePropertiesType																		
attributes	<table> <thead> <tr> <th>Name</th> <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

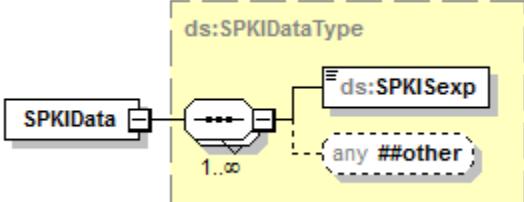
diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
type	ds:SignatureValueType

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>					

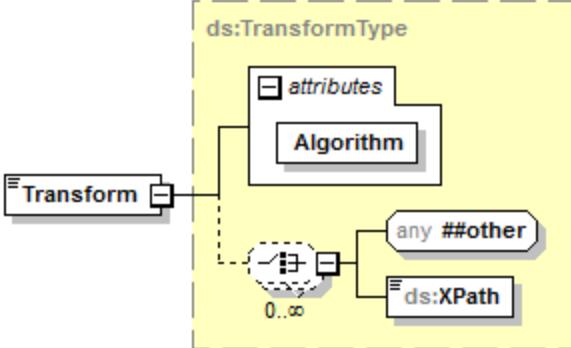
element SignedInfo

diagram	 <pre> classDiagram class SignedInfo { <<ds:SignedInfoType>> } class ds:SignedInfoType { attributes Id CanonicalizationMethod SignatureMethod Reference * } SignedInfo --> ds:SignedInfoType ds:SignedInfoType < -- SignedInfo </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>

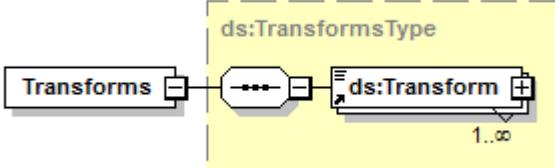
element SPKIData

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

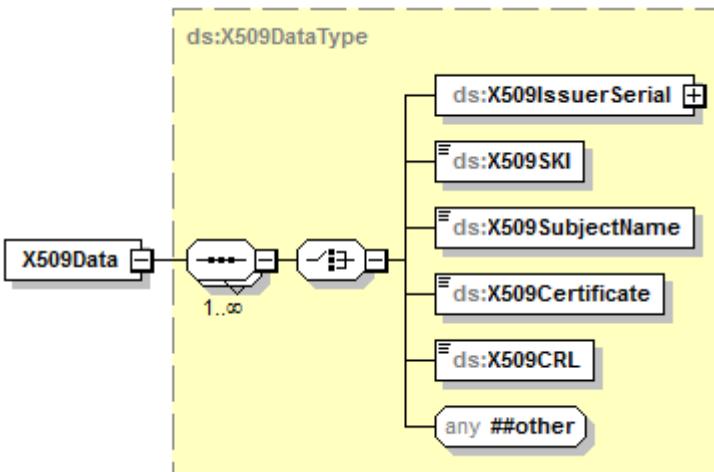
element Transform

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>												

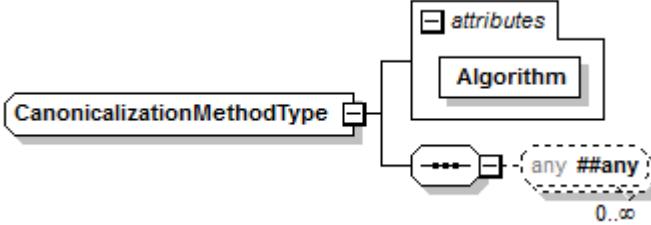
element Transforms

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 any ##other
used by	complexType KeyInfoType
source	<code><xs:element name="X509Data" type="ds:X509DataType"/></code>

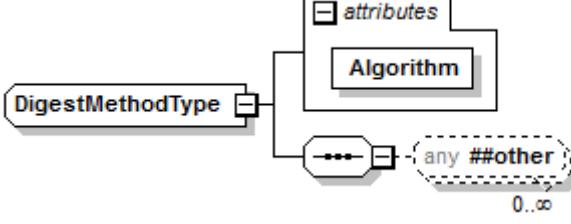
complexType CanonicalizationMethodType

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"/> </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

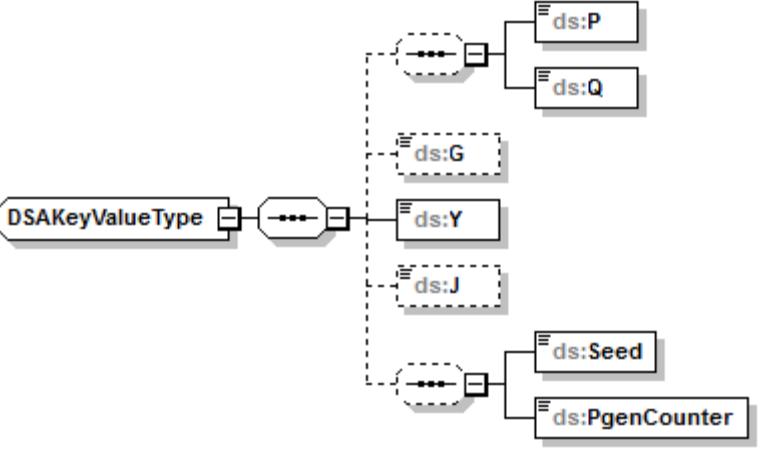
diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
properties	mixed true
used by	element DigestMethod

attributes	Name	Type	Use	Default	Fixed	Annotation
	Algorithm	<code>xs:anyURI</code>	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	<code>xs:anyURI</code>
properties	use required
source	<pre><xs:attribute name="Algorithm" type="anyURI" use="required"/></pre>

complexType **DSAKeyValueType**

diagram	 <pre> classDiagram class DSAKeyValueType class ds:P class ds:Q class ds:G class ds:Y class ds:J class ds:Seed class ds:PgenCounter DSAKeyValueType *--> ds:P DSAKeyValueType *--> ds:Q DSAKeyValueType *--> ds:G DSAKeyValueType *--> ds:Y DSAKeyValueType *--> ds:J DSAKeyValueType *--> ds:Seed DSAKeyValueType *--> ds:PgenCounter </pre>
namespace	<code>http://www.w3.org/2000/09/xmldsig#</code>
children	ds:P ds:Q ds:G ds:Y ds:J ds:Seed ds:PgenCounter
used by	element DSAKeyValue
source	<pre> <xs:complexType name="DSAKeyValueType"> <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> </xs:complexType> </pre>

	<pre><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	<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	<pre><xs:element name="Q" type="ds: CryptoBinary"/></pre>

element DSAKeyValueType/G

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

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"/>

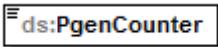
element DSAKeyValueType/J

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

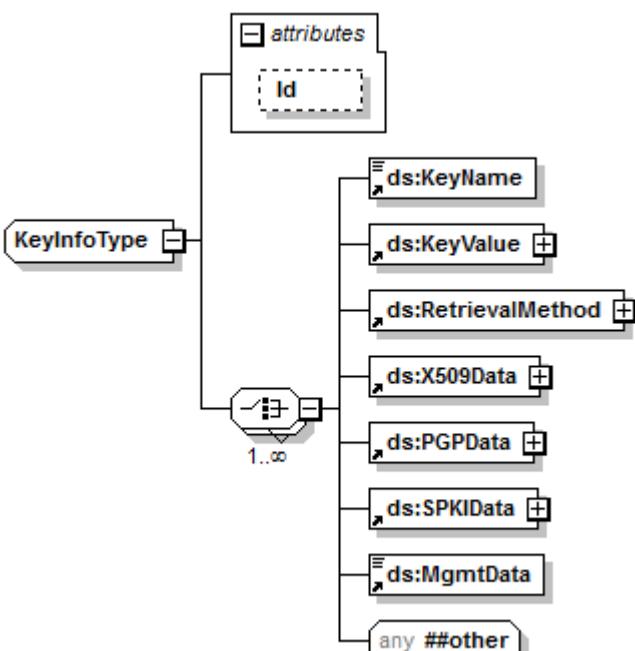
diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
type	ds: CryptoBinary
properties	content simple
source	<xs:element name="Seed" type="ds: CryptoBinary"/>

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

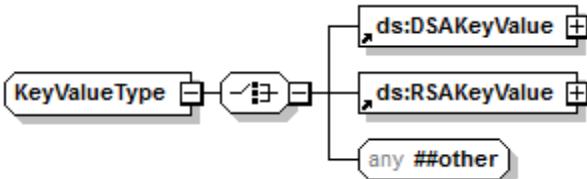
diagram	 <pre> classDiagram class KeyInfoType { attribute Id attribute ds:KeyName attribute ds:KeyValue attribute ds:RetrievalMethod attribute ds:X509Data attribute ds:PGPData attribute ds:SPKIData attribute ds:MgmtData attribute any ##other } </pre>												
namespace	http://www.w3.org/2000/09/xmldsig#												
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 --> </xs:choice> <xs:attribute name="Id" type="ID" use="optional"/> </pre>												

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

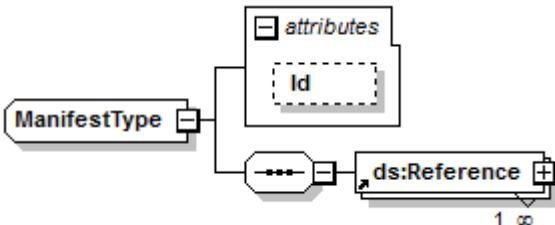
attribute KeyInfoType/@Id

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

complexType KeyValueObjectType

diagram	
namespace	<code>http://www.w3.org/2000/09/xmldsig#</code>
properties	mixed true
children	<code>ds:DSAKeyValue ds:RSAKeyValue</code>
used by	element <code>KeyValue</code>
source	<pre> <xs:complexType name="KeyValueObjectType" 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 ManifestType

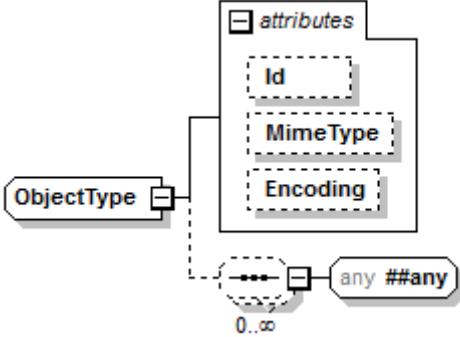
diagram	
namespace	<code>http://www.w3.org/2000/09/xmldsig#</code>
children	<code>ds:Reference</code>

used by	element Manifest					
attributes	Name	Type	Use	Default	Fixed	Annotation
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	 <pre> classDiagram class ObjectType { <<attributes>> <<Id>> <<MimeType>> <<Encoding>> } ObjectType "0..infinity" -- "any ##any" </pre>																								
namespace	http://www.w3.org/2000/09/xmldsig#																								
properties	mixed true																								
used by	element Object																								
attributes	<table border="1"> <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> <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"> <xs:any namespace="##any" processContents="lax"/> </xs:sequence> </xs:complexType></pre>																								

	<pre> </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"/>

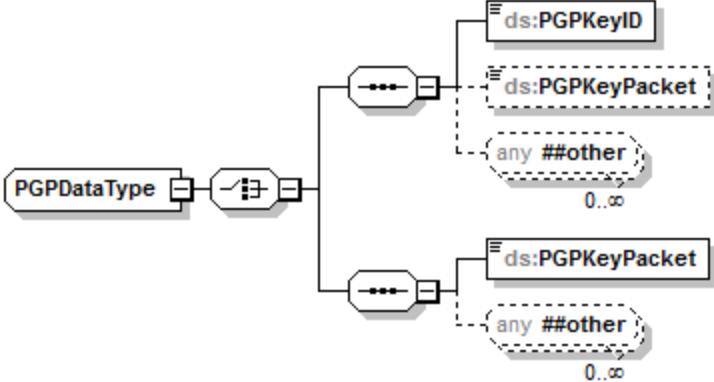
attribute ObjectType/@MimeType

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"/>

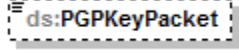
complexType PGPDataType

diagram	 <pre> sequenceDiagram participant PGPDataType as PGPDataType participant PGPKeyID as ds:PGPKeyID participant PGPKeyPacket as ds:PGPKeyPacket participant Any as any ##other PGPDataType->>PGPKeyID: activate PGPKeyID PGPKeyID->>Any: activate Any Any-->>PGPKeyID: deactivate Any deactivate PGPKeyID PGPDataType->>PGPKeyPacket: activate PGPKeyPacket PGPKeyPacket->>Any: activate Any Any-->>PGPKeyPacket: deactivate Any deactivate PGPKeyPacket </pre>
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	<pre> <xs:element name="PGPKeyID" type="base64Binary"/> </pre>

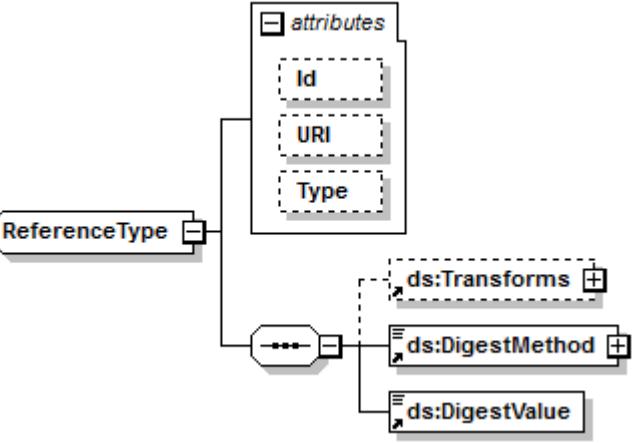
element PGPDataType/PGPKeyPacket

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"/>

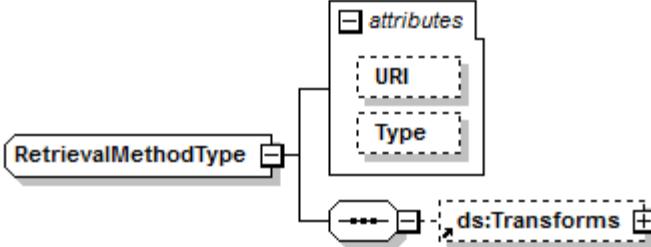
attribute ReferenceType/@URI

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	 <pre> classDiagram class RetrievalMethodType { attribute URI attribute Type reference ds:Transforms } </pre>																		
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>																		

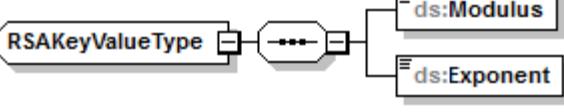
attribute RetrievalMethodType/@URI

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>

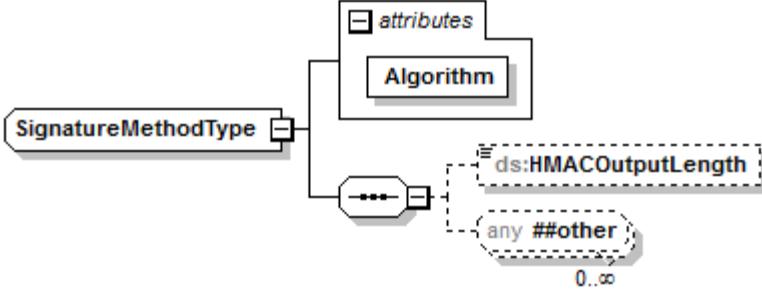
element RSAKeyValue/Modulus

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>

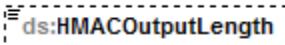
complexType **SignatureMethodType**

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:any> </xs:sequence> <xs:attribute name="Algorithm" type="anyURI" use="required"/> </xs:complexType></pre>												

attribute **SignatureMethodType/@Algorithm**

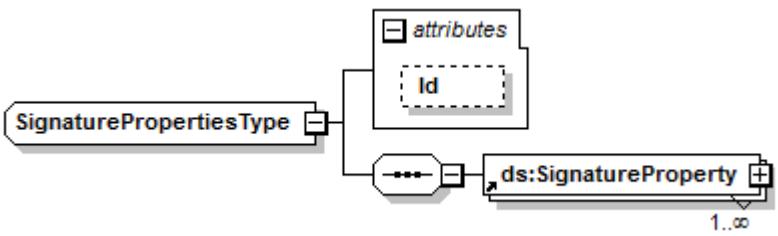
type	xs:anyURI
properties	use required
source	<pre><xs:attribute name="Algorithm" type="anyURI" use="required"/></pre>

element **SignatureMethodType/HMACOutputLength**

diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
type	ds:HMACOutputLengthType
properties	minOcc 0 maxOcc 1

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

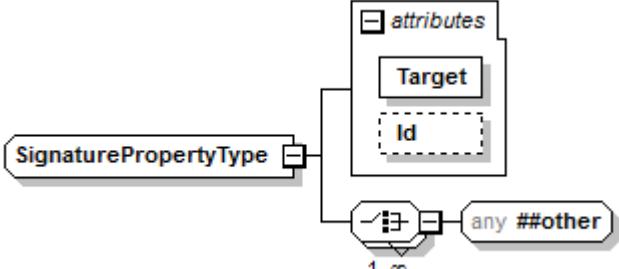
complexType **SignaturePropertiesType**

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 Signature.PropertyType

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="Signature.PropertyType" 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>																		

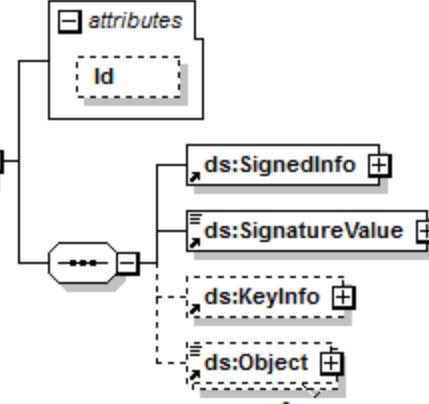
attribute Signature.PropertyType/@Target

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

attribute Signature.PropertyType/@Id

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

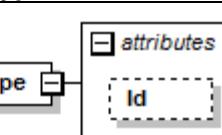
complexType SignatureType

diagram													
namespace	http://www.w3.org/2000/09/xmldsig#												
children	ds:SignedInfo ds:SignatureValue ds:KeyInfo ds:Object												
used by	elements Signature buscaPassagens/Signature buscaPassagensPorPeriodo/Signature buscaAssociacaoVeiculoObuid/Signature buscaAssociacaoChaveMDFeObuid/Signature buscaGrupoObuid/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

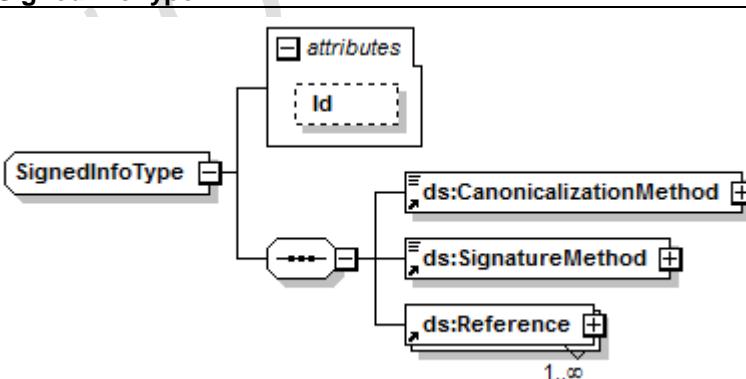
diagram	
---------	---

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	<pre><xs:attribute name="Id" type="ID" use="optional"/></pre>

complexType **SignedInfoType**

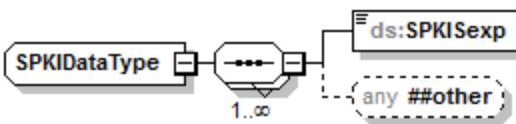
diagram	 <pre> classDiagram class SignedInfoType { attribute Id --> ds:CanonicalizationMethod --> ds:SignatureMethod --> ds:Reference *1..∞ } </pre>												
namespace	http://www.w3.org/2000/09/xmldsig#												
children	ds:CanonicalizationMethod ds:SignatureMethod ds:Reference												
used 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"></pre>												

	<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"/>

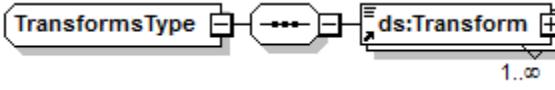
complexType SPKIDataType

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>

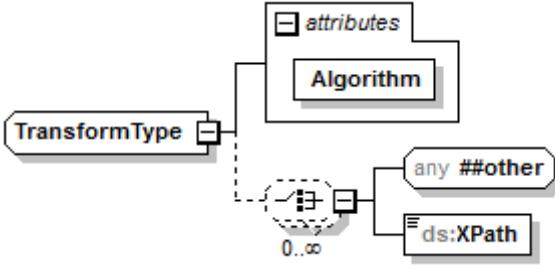
element SPKIDataType/SPKISexp

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>												

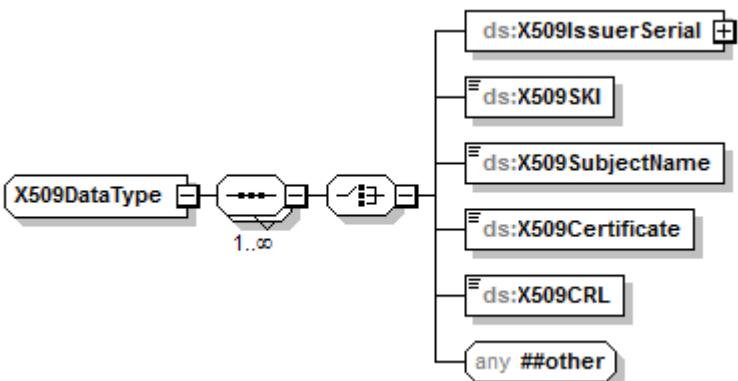
attribute TransformType/@Algorithm

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

element TransformType/XPath

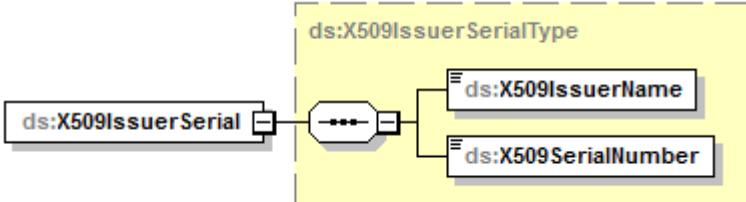
diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
type	xs:string
properties	content simple
source	<xs:element name="XPath" type="string"/>

complexType X509DataType

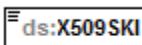
diagram	
namespace	http://www.w3.org/2000/09/xmldsig#
children	ds:X509IssuerSerial ds:X509SKI ds:X509SubjectName ds:X509Certificate ds:X509CRL
used by	element X509Data
source	<pre> <xs:complexType name="X509DataType"> <xs:sequence maxOccurs="unbounded"> <xs:choice> <xs:element name="X509IssuerSerial" 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>

	<code></xs:sequence></code> <code></xs:complexType></code>
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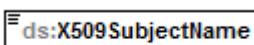
element X509DataType/X509IssuerSerial

diagram	 <pre> classDiagram class dsX509IssuerSerial class dsX509IssuerSerialType { dsX509IssuerName dsX509SerialNumber } dsX509IssuerSerial --> dsX509IssuerSerialType </pre>
namespace	http://www.w3.org/2000/09/xmldsig#
type	ds:X509IssuerSerialType
properties	content complex
children	ds:X509IssuerName ds:X509SerialNumber
source	<code><xs:element name="X509IssuerSerial" type="ds:X509IssuerSerialType"/></code>

element X509DataType/X509SKI

diagram	 <pre> classDiagram class dsX509SKI </pre>
namespace	http://www.w3.org/2000/09/xmldsig#
type	xs:base64Binary
properties	content simple
source	<code><xs:element name="X509SKI" type="base64Binary"/></code>

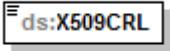
element X509DataType/X509SubjectName

diagram	 <pre> classDiagram class dsX509SubjectName </pre>
namespace	http://www.w3.org/2000/09/xmldsig#
type	xs:string
properties	content simple
source	<code><xs:element name="X509SubjectName" type="string"/></code>

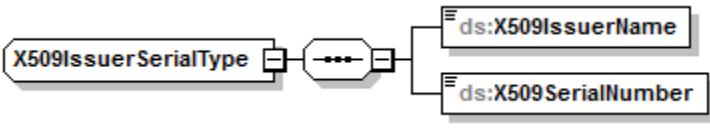
element X509DataType/X509Certificate

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

element X509DataType/X509CRL

diagram	
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	
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>
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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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