

Schema documentation for et.xsd

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Namespace: "http://www.ime.iiasa.ac.at/et/schemas"

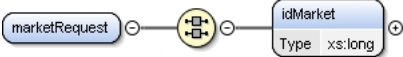
Schema(s)

Main schema et.xsd

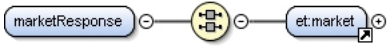
Namespace	http://www.ime.iiasa.ac.at/et/schemas
Properties	attribute form default: unqualified
	element form default: unqualified

Element(s)

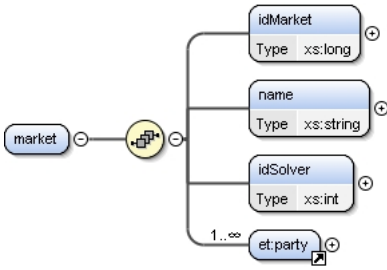
Element et:marketRequest

Namespace	http://www.ime.iiasa.ac.at/et/schemas
Diagram	
Properties	content: complex
Model	ALL(idMarket)
Children	idMarket
Instance	<pre><et:marketRequest xmlns:et="http://www.ime.iiasa.ac.at/et/schemas"> <idMarket>{1,1}</idMarket> </et:marketRequest></pre>
Source	<pre><xs:element name="marketRequest"> <xs:complexType> <xs:all> <xs:element name="idMarket" type="xs:long"/> </xs:all> </xs:complexType> </xs:element></pre>

Element et:marketResponse

Namespace	http://www.ime.iiasa.ac.at/et/schemas
Diagram	 The diagram shows the 'marketResponse' element containing a 'market' element.
Properties	content: complex
Model	ALL(et:market)
Children	et:market
Instance	<pre><et:marketResponse xmlns:et="http://www.ime.iiasa.ac.at/et/schemas"> <et:market>{1,1}</et:market> </et:marketResponse></pre>
Source	<pre><xs:element name="marketResponse"> <xs:complexType> <xs:all> <xs:element ref="et:market"/> </xs:all> </xs:complexType> </xs:element></pre>

Element et:market

Namespace	http://www.ime.iiasa.ac.at/et/schemas
Diagram	 The diagram shows the 'market' element containing four child elements: 'idMarket' (Type xs:long), 'name' (Type xs:string), 'idSolver' (Type xs:int), and 'et:party' (1..∞).
Properties	content: complex
Used by	Element et:marketResponse
Model	idMarket , name , idSolver , et:party+
Children	et:party, idMarket, idSolver, name
Instance	<pre><et:market xmlns:et="http://www.ime.iiasa.ac.at/et/schemas"> <idMarket>{1,1}</idMarket> <name>{1,1}</name> <idSolver>{1,1}</idSolver> <et:party>{1,unbounded}</et:party> </et:market></pre>
Source	<pre><xs:element name="market"> <xs:complexType> <xs:sequence> <xs:element name="idMarket" type="xs:long"/> <xs:element name="name" type="xs:string"/> <xs:element name="idSolver" type="xs:int"/> <xs:element maxOccurs="unbounded" ref="et:party"/> </xs:sequence> </xs:complexType> </xs:element></pre>

Element et:party

Namespace	http://www.ime.iiasa.ac.at/et/schemas
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Diagram	
Properties	content: complex
Used by	Element et:market
Model	idParty , name , uncertainty , minEm , baseEm , targetEm , et:func
Children	baseEm, et:func, idParty, minEm, name, targetEm, uncertainty
Instance	<pre> <et:party xmlns:et="http://www.ime.iiasa.ac.at/et/schemas"> <idParty>{1,1}</idParty> <name>{1,1}</name> <uncertainty>{1,1}</uncertainty> <minEm>{1,1}</minEm> <baseEm>{1,1}</baseEm> <targetEm>{1,1}</targetEm> <et:func>{1,1}</et:func> </et:party> </pre>
Source	<pre> <xs:element name="party"> <xs:complexType> <xs:sequence> <xs:element name="idParty" type="xs:int"/> <xs:element name="name" type="xs:string"/> <xs:element name="uncertainty" type="xs:double"/> <xs:element name="minEm" type="xs:double"/> <xs:element name="baseEm" type="xs:double"/> <xs:element name="targetEm" type="xs:double"/> <xs:element ref="et:func"/> </xs:sequence> </xs:complexType> </xs:element> </pre>

Element et:func

Namespace	http://www.ime.iiasa.ac.at/et/schemas
Diagram	
Properties	content: complex
Used by	Element et:party
Model	type , et:point+
Children	et:point, type
Instance	<pre> <et:func xmlns:et="http://www.ime.iiasa.ac.at/et/schemas"> <type>{1,1}</type> <et:point>{1,unbounded}</et:point> </et:func> </pre>
Source	<pre> <xs:element name="func"> <xs:complexType> <xs:sequence> <xs:element name="type" type="xs:string"/> <xs:element maxOccurs="unbounded" ref="et:point"/> </xs:sequence> </xs:complexType> </xs:element> </pre>

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

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Element et:point

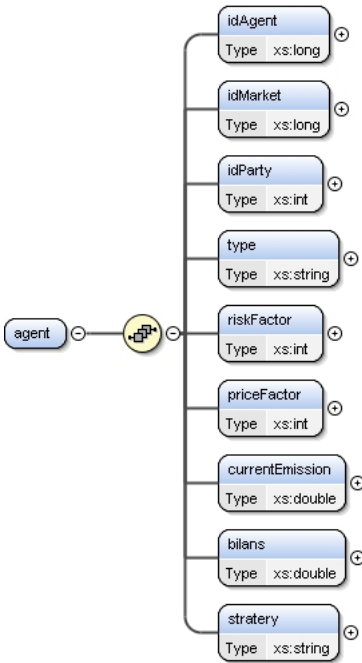
Namespace	http://www.ime.iiasa.ac.at/et/schemas
Diagram	
Properties	content: complex
Used by	Element et:func
Model	em , cost
Children	cost, em
Instance	<pre> <et:point xmlns:et="http://www.ime.iiasa.ac.at/et/schemas"> {1,1} <cost>{1,1}</cost> </et:point> </pre>
Source	<pre> <xs:element name="point"> <xs:complexType> <xs:sequence> <xs:element name="em" type="xs:double" /> <xs:element name="cost" type="xs:double" /> </xs:sequence> </xs:complexType> </xs:element> </pre>

Element et:saveAgentRequest

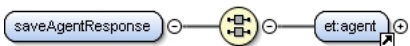
Namespace	http://www.ime.iiasa.ac.at/et/schemas
Diagram	
Properties	content: complex
Model	ALL(et:agent)
Children	et:agent
Instance	<pre> <et:saveAgentRequest xmlns:et="http://www.ime.iiasa.ac.at/et/schemas"> <et:agent>{1,1}</et:agent> </et:saveAgentRequest> </pre>
Source	<pre> <xs:element name="saveAgentRequest"> <xs:complexType> <xs:all> <xs:element ref="et:agent" /> </xs:all> </xs:complexType> </xs:element> </pre>

Element et:agent

Namespace	http://www.ime.iiasa.ac.at/et/schemas
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Diagram		
Properties	content:	complex
Used by	Elements	et:saveAgentRequest, et:saveAgentResponse
Model	idAgent , idMarket , idParty , type , riskFactor , priceFactor , currentEmission , bilans , stratergy	
Children	bilans, currentEmission, idAgent, idMarket, idParty, priceFactor, riskFactor, stratergy, type	
Instance	<pre><et:agent xmlns:et="http://www.ime.iiasa.ac.at/et/schemas"> <idAgent>{1,1}</idAgent> <idMarket>{1,1}</idMarket> <idParty>{1,1}</idParty> <type>{1,1}</type> <riskFactor>{1,1}</riskFactor> <priceFactor>{1,1}</priceFactor> <currentEmission>{1,1}</currentEmission> <bilans>{1,1}</bilans> <stratergy>{1,1}</stratergy> </et:agent></pre>	
Source	<pre><xs:element name="agent"> <xs:complexType> <xs:sequence> <xs:element name="idAgent" type="xs:long"/> <xs:element name="idMarket" type="xs:long"/> <xs:element name="idParty" type="xs:int"/> <xs:element name="type" type="xs:string"/> <xs:element name="riskFactor" type="xs:int"/> <xs:element name="priceFactor" type="xs:int"/> <xs:element name="currentEmission" type="xs:double"/> <xs:element name="bilans" type="xs:double"/> <xs:element name="stratergy" type="xs:string"/> </xs:sequence> </xs:complexType> </xs:element></pre>	

Element et:saveAgentResponse

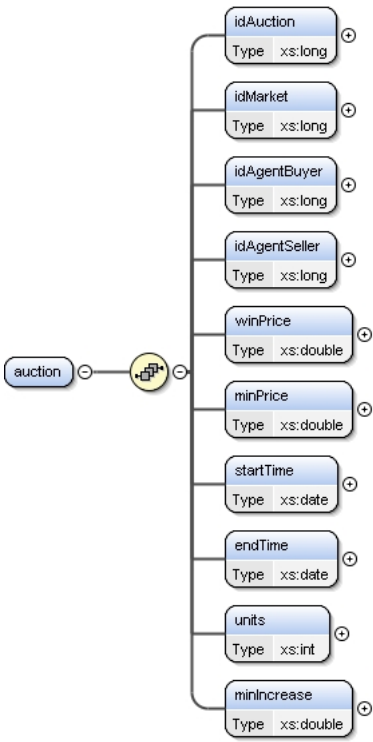
Namespace	http://www.ime.iiasa.ac.at/et/schemas	
Diagram		
Properties	content:	complex
Model	ALL(et:agent)	
Children	et:agent	
Instance	<pre><et:saveAgentResponse xmlns:et="http://www.ime.iiasa.ac.at/et/schemas"> <et:agent>{1,1}</et:agent> </et:saveAgentResponse></pre>	

Source	<pre> <xs:element name="saveAgentResponse"> <xs:complexType> <xs:all> <xs:element ref="et:agent" /> </xs:all> </xs:complexType> </xs:element> </pre>
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Element et:saveAuctionRequest

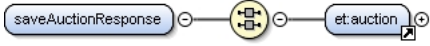
Namespace	http://www.ime.iiasa.ac.at/et/schemas
Diagram	
Properties	content: complex
Model	ALL(et:auction)
Children	et:auction
Instance	<pre> <et:saveAuctionRequest xmlns:et="http://www.ime.iiasa.ac.at/et/schemas"> <et:auction>{1,1}</et:auction> </et:saveAuctionRequest> </pre>
Source	<pre> <xs:element name="saveAuctionRequest"> <xs:complexType> <xs:all> <xs:element ref="et:auction" /> </xs:all> </xs:complexType> </xs:element> </pre>

Element et:auction


Namespace	http://www.ime.iiasa.ac.at/et/schemas
Diagram	
Properties	content: complex
Used by	Elements et:saveAuctionRequest, et:saveAuctionResponse
Model	idAuction , idMarket , idAgentBuyer , idAgentSeller , winPrice , minPrice , startTime , endTime , units , minIncrease
Children	endTime , idAgentBuyer , idAgentSeller , idAuction , idMarket , minIncrease , minPrice , startTime , units , winPrice
Instance	<pre> <et:auction xmlns:et="http://www.ime.iiasa.ac.at/et/schemas"> <idAuction>{1,1}</idAuction> <idMarket>{1,1}</idMarket> </pre>

	<pre> <idAgentBuyer>{1,1}</idAgentBuyer> <idAgentSeller>{1,1}</idAgentSeller> <winPrice>{1,1}</winPrice> <minPrice>{1,1}</minPrice> <startTime>{1,1}</startTime> <endTime>{1,1}</endTime> <units>{1,1}</units> <minIncrease>{1,1}</minIncrease> </et:auction> </pre>
Source	<pre> <xs:element name="auction"> <xs:complexType> <xs:sequence> <xs:element name="idAuction" type="xs:long" /> <xs:element name="idMarket" type="xs:long" /> <xs:element name="idAgentBuyer" type="xs:long" /> <xs:element name="idAgentSeller" type="xs:long" /> <xs:element name="winPrice" type="xs:double" /> <xs:element name="minPrice" type="xs:double" /> <xs:element name="startTime" type="xs:date" /> <xs:element name="endTime" type="xs:date" /> <xs:element name="units" type="xs:int" /> <xs:element name="minIncrease" type="xs:double" /> </xs:sequence> </xs:complexType> </xs:element> </pre>

Element et:saveAuctionResponse

Namespace	http://www.ime.iiasa.ac.at/et/schemas
Diagram	
Properties	content: complex
Model	ALL(et:auction)
Children	et:auction
Instance	<pre> <et:saveAuctionResponse xmlns:et="http://www.ime.iiasa.ac.at/et/schemas"> <et:auction>{1,1}</et:auction> </et:saveAuctionResponse> </pre>
Source	<pre> <xs:element name="saveAuctionResponse"> <xs:complexType> <xs:all> <xs:element ref="et:auction" /> </xs:all> </xs:complexType> </xs:element> </pre>

Element et:saveBidRequest

Namespace	http://www.ime.iiasa.ac.at/et/schemas
Diagram	
Properties	content: complex
Model	ALL(et:bid)
Children	et:bid
Instance	<pre> <et:saveBidRequest xmlns:et="http://www.ime.iiasa.ac.at/et/schemas"> <et:bid>{1,1}</et:bid> </et:saveBidRequest> </pre>
Source	<pre> <xs:element name="saveBidRequest"> <xs:complexType> <xs:all> <xs:element ref="et:bid" /> </xs:all> </xs:complexType> </xs:element> </pre>

Element et:bid

Namespace	http://www.ime.iiasa.ac.at/et/schemas
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Diagram	
Properties	content: complex
Used by	Elements et:saveBidRequest, et:saveBidResponse
Model	idBid , idAuction , idAgent , price , time
Children	idAgent, idAuction, idBid, price, time
Instance	<pre> <et:bid xmlns:et="http://www.ime.iiasa.ac.at/et/schemas"> <idBid>{1,1}</idBid> <idAuction>{1,1}</idAuction> <idAgent>{1,1}</idAgent> <price>{1,1}</price> <time>{1,1}</time> </et:bid> </pre>
Source	<pre> <xs:element name="bid"> <xs:complexType> <xs:sequence> <xs:element name="idBid" type="xs:int"/> <xs:element name="idAuction" type="xs:long"/> <xs:element name="idAgent" type="xs:long"/> <xs:element name="price" type="xs:double"/> <xs:element name="time" type="xs:date"/> </xs:sequence> </xs:complexType> </xs:element> </pre>

Element et:saveBidResponse

Namespace	http://www.ime.iiasa.ac.at/et/schemas
Diagram	
Properties	content: complex
Model	ALL(et:bid)
Children	et:bid
Instance	<pre> <et:saveBidResponse xmlns:et="http://www.ime.iiasa.ac.at/et/schemas"> <et:bid>{1,1}</et:bid> </et:saveBidResponse> </pre>
Source	<pre> <xs:element name="saveBidResponse"> <xs:complexType> <xs:all> <xs:element ref="et:bid"/> </xs:all> </xs:complexType> </xs:element> </pre>

Element et:solution

Namespace	http://www.ime.iiasa.ac.at/et/schemas
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Diagram	
Properties	content: complex
Used by	Element et:saveSolutionRequest
Model	status , solverStatus , et:marketSolution , et:partySolution+ , et:msg+
Children	et:marketSolution, et:msg, et:partySolution, solverStatus, status
Instance	<pre><et:solution xmlns:et="http://www.ime.iiasa.ac.at/et/schemas"> <status>{1,1}</status> <solverStatus>{1,1}</solverStatus> <et:marketSolution>{1,1}</et:marketSolution> <et:partySolution>{1,unbounded}</et:partySolution> <et:msg>{1,unbounded}</et:msg> </et:solution></pre>
Source	<pre><xs:element name="solution"> <xs:complexType> <xs:sequence> <xs:element name="status" type="xs:int"/> <xs:element name="solverStatus" type="xs:int"/> <xs:element ref="et:marketSolution"/> <xs:element maxOccurs="unbounded" ref="et:partySolution"/> <xs:element maxOccurs="unbounded" ref="et:msg"/> </xs:sequence> </xs:complexType> </xs:element></pre>

Element et:marketSolution

Namespace	http://www.ime.iiasa.ac.at/et/schemas
Diagram	
Properties	content: complex
Used by	Element et:solution
Model	idMarket , mrgCost , profit
Children	idMarket, mrgCost, profit
Instance	<pre><et:marketSolution xmlns:et="http://www.ime.iiasa.ac.at/et/schemas"> <idMarket>{1,1}</idMarket> <mrgCost>{1,1}</mrgCost> <profit>{1,1}</profit> </et:marketSolution></pre>
Source	<pre><xs:element name="marketSolution"> <xs:complexType> <xs:sequence> <xs:element name="idMarket" type="xs:long"/> <xs:element name="mrgCost" type="xs:double"/> <xs:element name="profit" type="xs:double"/> </xs:sequence> </xs:complexType> </xs:element></pre>

Element et:partySolution

Namespace	http://www.ime.iiasa.ac.at/et/schemas
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Diagram	
Properties	content: complex
Used by	Element et:solution
Model	idMarket , idParty , em , mrgEm , mrgBase , mrgTarget , costBase , costEm , costTarget , profit
Children	costBase, costEm, costTarget, em, idMarket, idParty, mrgBase, mrgEm, mrgTarget, profit
Instance	<pre> <et:partySolution xmlns:et="http://www.ime.iiasa.ac.at/et/schemas"> <idMarket>{1,1}</idMarket> <idParty>{1,1}</idParty> {1,1} <mrgEm>{1,1}</mrgEm> <mrgBase>{1,1}</mrgBase> <mrgTarget>{1,1}</mrgTarget> <costBase>{1,1}</costBase> <costEm>{1,1}</costEm> <costTarget>{1,1}</costTarget> <profit>{1,1}</profit> </et:partySolution> </pre>
Source	<pre> <xs:element name="partySolution"> <xs:complexType> <xs:sequence> <xs:element name="idMarket" type="xs:long"/> <xs:element name="idParty" type="xs:int"/> <xs:element name="em" type="xs:double"/> <xs:element name="mrgEm" type="xs:double"/> <xs:element name="mrgBase" type="xs:double"/> <xs:element name="mrgTarget" type="xs:double"/> <xs:element name="costBase" type="xs:double"/> <xs:element name="costEm" type="xs:double"/> <xs:element name="costTarget" type="xs:double"/> <xs:element name="profit" type="xs:double"/> </xs:sequence> </xs:complexType> </xs:element> </pre>

Element et:msg

Namespace	http://www.ime.iiasa.ac.at/et/schemas
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Diagram	
Properties	content: complex
Used by	Element et:solution
Model	msgType , idMarket , idParty , msg , seq
Children	idMarket, idParty, msg, msgType, seq
Instance	<pre> <et:msg xmlns:et="http://www.ime.iiasa.ac.at/et/schemas"> <msgType>{1,1}</msgType> <idMarket>{1,1}</idMarket> <idParty>{1,1}</idParty> <msg>{1,1}</msg> <seq>{1,1}</seq> </et:msg> </pre>
Source	<pre> <xs:element name="msg"> <xs:complexType> <xs:sequence> <xs:element name="msgType" type="xs:int"/> <xs:element name="idMarket" type="xs:long"/> <xs:element name="idParty" type="xs:int"/> <xs:element name="msg" type="xs:string"/> <xs:element name="seq" type="xs:int"/> </xs:sequence> </xs:complexType> </xs:element> </pre>

Element et:saveSolutionRequest

Namespace	http://www.ime.iiasa.ac.at/et/schemas
Diagram	
Properties	content: complex
Model	ALL(et:solution)
Children	et:solution
Instance	<pre> <et:saveSolutionRequest xmlns:et="http://www.ime.iiasa.ac.at/et/schemas"> <et:solution>{1,1}</et:solution> </et:saveSolutionRequest> </pre>
Source	<pre> <xs:element name="saveSolutionRequest"> <xs:complexType> <xs:all> <xs:element ref="et:solution"/> </xs:all> </xs:complexType> </xs:element> </pre>

Element et:saveSolutionResponse

Namespace	http://www.ime.iiasa.ac.at/et/schemas
Diagram	
Type	xs:string

Properties	content: simple
Source	<code><xs:element name="saveSolutionResponse" type="xs:string"/></code>