Data Element Name	Schema(s) Found in	Type	Definition	Enumerations
Abstentions	510		xs:nonNegativeInteger	Report of a no vote.	
Accepted	eml-core	620	480	450	220	130		YesNoType	Indicates acceptance of a candidate, referendum proposal, vote or message.	yes	no
Action	210		xs:token	Indicates the action being requested - either to consent to a nomination or to withdraw from a contest.	
ActionTime	120		xs:dateTime	Specifies when the specified action should be carried out.	
ActionedTime	120		xs:dateTime	Specifies when the specified action was carried out.	
Address	eml-externals		n/a	A physical location. Addresses are specified for each individual or organisation involved in the voting processes, eg voter, election authority.	
Affiliation	eml-core	430	410	340	210	AffiliationStructure	Indicates the membership of some organisation such as a political party	
AffiliationIdentifier	eml-core		AffiliationIdentifierStructure	Indicates the official name and ID of the affiliated organisation	
Age	eml-core		xs:positiveInteger	The age of a candidate or voter	
Agent	eml-core		AgentStructure	Someone who works for the candidate. There are various different roles for a candidate's agent	
AgentIdentifier	eml-core		AgentIdentifierStructure	The agent's name and ID	
AgentName	eml-core		PersonNameStructure	The full name of the agent	
AllowedChannels	110		n/a	The list of eligible channels for an election event.	
Area	eml-core		AreaStructure	A geographic area covered by a contest	
Association	eml-core		xs:token	Associates a polling district with some other entity, such as a constituency.	
AuditLog	480		n/a	A log of audit information.	
AuditInformation	520	510	480	470	460	445	420	130	AuditInformationStructure	Information to be sent to an audit system to provide traceability of voting-related messages.	
Authenticated	430		n/a	Indicates the result of a voter's attempt to authenticate their right to vote.	
AuthenticationMethod	110		xs:token	The method used to authenticate an eligible voter.	
AuthorityAddress	eml-externals		AuthorityAddressStructure	The address of the authority running the election.	
AuthorityIdentifier	eml-core		AuthorityIdentifierStructure	The identifier of the authority running the election.	
Ballot	430	410	340		n/a	A set of candidates or referendum options for a particular contest, within one or more elections for which votes are cast.	
BallotFormIdentifier	330		n/a	The external identifier of the ballot form or list of forms the voter may vote on.	
BallotIdentifier	eml-core	460	440	445	BallotIdentifierStructure	The identification number of a ballot.	
BallotIdentifierRange	eml-core		BallotIdentifierRangeStructure	A range of ballot identifiers. These might, for example, be sent to a printer.	
BallotName	eml-core		xs:token	The official name assigned to a ballot.	
BinaryItem	eml-core		BinaryItemStructure	A binary, eg fingerprint, photo, scanned signature, used for identification of the voter. Iit may be given as either a link or as Base64 encoded binary data. In the latter case, the format of the binary must be either bmp, gif, jpeg, png or tiff.	
Blocked	330		YesNoType	An indication that a voter is not allowed to cast a vote (possibly through a specific channel) for some specified reason.	yes	no
Candidate	eml-core	430	410	340	210	CandidateStructure	An individual or party standing in a contest.	
CandidateAction	210		n/a	Indicates whether the candidate wishes to stand or withdraw from an election and allows him/her to indicate that conditions for nomination have been met.	
CandidateFullName	eml-core		PersonNameStructure	The full name of the candidate.	
CandidateGender	510	520	GenderType	The gender of the candidate as it will appear in the result of the election.	male	female	unknown (unknown is not allowed in all contexts)
CandidateIdentifier	eml-core	460	440		CandidateIdentifierStructure	The system ID for the candidate, as well as the name to which the candidate's name will appear on the ballot.	
CandidateList	230		n/a	A list of candidates or parties or issues involved in a contest.	
CandidateName	eml-core		PersonNameStructure	The full name of the candidate.	
CastVote	460	440		CastVoteStructure	A ballot containing the preferences of the voter.	
Category	eml-core		n/a	Used to classify different types of Proposer.	primary	secondary	other
Channel	eml-core	340	330	310	120	110		ChannelStructure	A medium through which votes can be cast, e.g. 'internet' or 'postal'.	
CheckBox	120	YesNoType	Used to allow name-value pairs in information about a voter. The only allowed values are 'yes' and 'no'.	yes	no
ChoiceName	eml-core		xs:token	The name of a choice in a referendum.	
ChoiceType	340	410	430	xs:token	The type of choice available to the voter.	
Comment	330	xs:token	A comment represented as text or some format such as XHTML.	
Component	eml-core		n/a	A specific part of a voting token. For example, a voting token might have components called 'PIN' and 'password'.	
ConfirmationReference	450	ConfirmationResponseType	The reference generated once the confirmation of a vote has been completed.	
Contact	eml-core	430	410	340	ContactDetailsStructure	Mailing address, email address, phone number etc. for any person involved I the election process. There is an option to indicate which contact method is preferred.	
ContactDetails	eml-core		n/a	A set of information indicating how to contact a person involved in the democratic process.	
Contest	520	510	460	440	430	410	340	230	110		n/a	A contest is that part of an election in which an individual can vote. For example, a parliamentary election will consist of several contests, each for a single position (seat or constituency). Some elections, such as a referendum question or a presidential election, will only have a single contest.	
ContestScope	340	410	430	xs:token	An indicator of a Federal, local or other type of contest.	
Contested	430	410		n/a	Indicates that there are more candidates than positions available and so voting will take place.	
ContestIdentifier	eml-core	620	610	520	510	480	470	460a	360b	445	440	430	410	350a	350b	350c	340	330	230	220	210	110		ContestIdentifierStructure	The official designation of the contest.	
ContestName	eml-core		xs:token	The official name of the contest	
ContestRotationMethod	340	410	430	xs:token	The method by which candidates are rotated on a ballot form.	
Count	510		n/a	The accumulating of votes that have been cast.	
CountQualifier	520		CountQualifierStructure	A qualifier that indicates whether the count is final or not, whether it is an extrapolation or simulation of the actual count, or whether it relates to a previous ballot.	Simulation	Final	Extrapolation	Partial	Previous	Other
CountingAlgorithm	eml-core	110		CountingAlgorithmType	The method of counting used for more complex forms of election.	
CountingSystem	eml-core	510	480	470	460	445	440		ProcessingUnitStructure	The system used to accumulate votes that have been cast.	
DateOfBirth	eml-core		xs:date	The date of birth of the voter or candidate.	
Dates	eml-core	440	410	340	330	310	120		n/a	A collection of dates.	
DateTimeSubmitted	330	310	120		xs:dateTime	The date and time at which the voter registered to vote. Displayed using GDSC format (http://www.govtalk.gov.uk/gdsc/html/).	
Description	eml-core	480	430	410	340	230	130	110		MessagesStructure & xs:token	A description represented as text or some format such as XHTML.	
Destination	120		ProcessingUnitStructure	Indicates the receiving device for a 120 (interDB) message.	
Display	eml-core		n/a	Provides information related to the rendering of a message for display	
DisplayOrder	eml-core	430	410	340	110	n/a	This attribute allows a generic stylesheet to display a specified message type, the display order of the elements being controlled through the message.	
DocumentIdentifier	eml-core		DocumentIdentifierStructure	A reference to external documents relevant to a specific message type.	
ds:Signature	eml-core	610	210		ds:SignatureType	An electronic signature using the XML Signature syntax.	
EffectiveDateAdded	eml-core		xs:date	The date at which a person was added to an electoral register.	
EffectiveDateRemoved	eml-core		xs:date	The date at which a person was removed from an electoral register.	

Element	Context	Type	Description	Values
Elected	520	n/a	Indicates whether a person or referendum option has been selected.	
Election	630 | 520 | 510 | 480 | 460 | 440 | 430 | 410 | 340 | 330 | 230 | 110 |	n/a	An election is used in the traditional sense, such as country's government election, local government election, or other local community elections. An election comprises one or more related contests over a defined period of time. A number of elections may or may not be held at the same time to form an election event with multiple elections.	
ElectionCategory	eml-core |	xs:NMTOKEN	Used in messages where several elections are included in the message. This allows a Schematron processor to distinguish between the elections.	
ElectionEvent	110 |	n/a	See Event.	
ElectionGroup	eml-core |	ElectionGroupStructure	Used to group multiple elections together. For example, a set of questions forming a referendum might be grouped together, as might two parts of an election held under the Additional Member System.	
ElectionIdentifier	eml-core |	ElectionIdentifierStructure	The official designation of the election.	
ElectionList	330 |	n/a	The list of eligible voters for an election event. The list identifies the elections and contests in which each elector may vote. A list with no voters is permissable.	
ElectionName	eml-core |	xs:token	The official name of an election.	
ElectionStatement	eml-core |	MessagesStructure	Describes the opinions of the candidate.	
ElectionType	340 | 410 | 430	xs:token	The type of an election. This will be localised by each country or voting jurisdiction.	
ElectoralAddress	eml-externals |	ElectoralAddressStructure	The address that gives the voter the right to vote in a specific contest.	
ElectronicLocation	eml-core |	xs:token	Used for describing a Polling Place, it must indicate its address (e.g. phone number, URL).	
Eligibility	eml-core |	xs:token	The election types for which the voter is eligible to vote.	
Email	eml-core	EmailStructure	An email address.	
End	eml core | 430 | 410 | 340 | 110 |	BallotIdentifierStructure	The end of a range of ballot identifiers.	
Endorsement	eml-core |	n/a	Indicates the political party that has officially endorsed a candidate.	
Error	480 | 130 |	n/a	Provides information about errors in a EML message.	
Ethnicity	eml-core |	xs:token	The ethnicity of a voter.	
Event	eml-core | | 330 | 310 | 120 |	n/a	Also known as 'election event'. A series of elections that for some reason are grouped together into one event. For example they may be completely different elections but for logistic reasons they are all run on the same day.	
EventDate	330 | 230 | 110 |	SimpleDateRangeStructure	The range of dates associated with an election event.	
EventDescription	430 | 410 | 340	MessageStructure	A textual description of an election event.	
EventIdentifier	eml-core | 620 610 | 510 | 480 | 470 | 460 | 450 | 445 | 440 | 360a | 360b | 350a | 350b | 350c | 330 |	EventIdentifierStructure	The official designation of the event.	
EventName	eml-core |	xs:token	The official name of the event.	
EventQualifier	eml-core |	EventQualifierStructure	An additional designator for the event, usually used when management of an event is divided between authorities. For example, an event might be 'London Elections', and each borough will have its own Qualifier.	
Extension	eml-core	xs:token	The extension number in a telephone number.	
ExpectedConfirmationReference	eml-core |	n/a	Some e-voting mechanisms provide candidate identifiers that are individual to each voter as part of their security mechanism. These might also tailor the response codes for successful votes. This element indicates the response code that a specified voter should expect for a specified candidate.	
Extrapolation	510 | 520	n/a	An extrapolation, using the count known so far, to an estimated complete result for the current contest.	
Fax	eml-core	TelephoneStructure	A fax number.	
Final	510 | 520	n/a	An indicator to show if the result is definitive ("official") or if the result or the count is not final.	yes | no
Format	eml-core |	n/a	Indicates the format of the element content, e.g. XHTML.	This element appears in different contexts with different allowed values
FurtherInformation	eml-core |	MessageStructure	Information about a voter that is not included in the standard elements.	
Gateway		ProcessingUnitStructure	A system that provides the interface between a voting device such as an SMS phone and the voting system.	
Gender	eml-core |	GenderType	The gender of a voter or candidate.	male | female | unknown (unknown is not allowed in all contexts)
IncomingChannelOptions	360b	IncomingGenericCommunicationStructure	A message to indicate the channel a voter to use to cast their vote.	
IncomingGenericCommunication	350b	IncomingGenericCommunicationStructure	A generic message type for messages from the voter.	
InternalGenericCommunication	350c	InternalGenericCommunicationStructure	A generic message type for messages between systems.	
Id	eml-core | 430 | 410 | 340 | 330 | 310 | 120 |	xs:token	Indicates an ID code. When used as an element, this is an ID that has a meaning outside this specific election (such as the registration number of a voter on a register). When used as an attribute, it is a system ID used for convenience within an election.	
Independent	eml-core |	n/a	This indicates that a candidate in an election, although they may specify an affiliation, is officially classed as an independent candidate. This might be used to alter the ballot layout, for example elections held under the party list system.	
InterDb	120 |	n/a	A message type for messages flowing between voter regisration and candidate registration systems.	
JobTitle	eml-core	xs:token	The job title of the proposer.	
KnownAs	eml-core |	xs:token	The name by which a candidate is usually known that is different from their official name. This might, for example, be used to differentiate on a ballot between candidates with similar names.	
Languages	110 |	n/a	Declaration of the language used in the election.	
LoggedSeal	480	n/a	A seal and related information that is being logged as part of an audit trail	
LoginMethod	420 |	xs:token	An indication of the method the voter must use to authenticate themselves to a voting system. This might be channel-dependent.	
Logo	eml-core |	LogoStructure	A logo for a political party or other organization can be represented by a URL or a Base64 encoded binary value. The latter must indicate the format of the logo (PNG, GIF or JPEG).	
MailingAddress	eml-externals |	MailingAddressStructure	A simple address format used for mailing purposes. The format can be tailored to local needs.	
ManagingAuthority	eml-core | 110 |	ManagingAuthorityStructure	The body responsible for the election event, election, contest or reporting unit. There can be different authorities operating at each of these levels at the same time. It is identified by a name and ID. It also has an address and optional logo.	
MaxVotes	eml-core |	xs:positiveInteger	The maximum number of votes allowed.	
MaxWriteIn	430 | 410 | 340 |	n/a	Where an election allows write-in candidates, this is the maximum number of such candidates that can be included.	
Message	eml core | 480 |	n/a	A general display of information. Can be text or have element content.	
Messages	eml core | 430 | 410 | 360a | 360b | 350a | 350b | 350c | 340 |	n/a	A message to the voter that may be included several times in different formats or languages.	
MessageType	eml-core |	MessageTypeType	The numeric type of the message (e.g. 440). This may be required for audit purposes.	
MessageLanguage	eml-core |	LanguageType	The language to be used when displaying a message.	
MinVotes	eml-core |	xs:nonNegativeInteger	The minimum number of votes allowed.	
Name	eml-core |	PersonNameStructure & xs:token	The name of a voter.	
Nationality	eml-core |	xs:token	The nationality of a voter.	
Nominate	210 | 610	n/a	The collection of proposers for a candidate, affiliation or referendum proposal.	
Nomination	210 |	n/a	The nomination of a candidate for an election.	
NominationResponse	220 |	n/a	Whether or not the nomination of a candidate has been accepted. If rejected, the message contains details as to the reason behind the rejection.	

Number	eml-core		TelephoneNumberType	Part of the telephone number.	
NumberInSequence	eml-core		xs:positiveInteger	Large messages can be divided into smaller parts for transmission. This element indicates the total number of sub-messages forming a sequence.	
NumberOfPositions	110	510	xs:positiveInteger	Represents the number of identical positions being elected in a contest.	
Objection	460		n/a	If an election official proposes to reject a vote, this attribute indicates that someone (usually the candidate's agent) has objected to this.	
OfficialAddress	eml-externals		OfficialAddressStructure	The official address of a candidate.	
Options	eml-core		n/a	The collection of possible responses for a referendum proposal.	
OptionsList	630		n/a	The list of referendum options presented to a voter.	
OptionsNomination	610		n/a	The nomination of a proposal for a referendum.	
OptionsNominationResponse	620		n/a	Whether or not the nomination of a proposal has been accepted. If rejected, the message contains details as to the reason behind the rejection.	
OriginatingDevice	eml-core	510	480	470	460 445	440		ProcessingUnitStructure	The device through which a vote was cast.	
OtherLocation	eml-core		xs:string	A type of location not covered by the pre-defined types.	
OtherSeal	eml-core		xs:string	A type of seal not covered by the pre-defined types.	
OutgoingGenericCommunication	350a		OutgoingGenericCommunicationStructure	A generic message type for messages to the voter.	
OutgoingChannelOptions	360a		OutgoingGenericCommunicationStructure	A message to ask the voter their preferred channel to use to cast their vote.	
Partisan	340	410	430		xs:token	A ballot within a particular party.	
Party		PartyStructure	Information that uniquely identifies a political party.	
Period	eml-core	1210	120	330	340	410	430		PeriodStructure	A period of time.	
Permanent	eml-core		xs:token	Indicates whether a voter who has registered to vote in a particular way has asked for that to be used until revoked (rather than for a specified time period, election etc).	
PersonalIdentifier	460	440		xs:token	Some e-voting mechanisms provide candidate identifiers that are individual to each voter as part of their security mechanism. This element indicates the code entered within a cast vote.	
PersonName	eml-core		PesonNameType	The name of a person involved in the democratic process.	
PhysicalAddress	eml-externals		PhysicalAddressStructure	The physical address of a location, eg polling place.	
PhysicalLocation	eml-core		n/a	The physical location of a polling place (in contrast to an electronic location).	
PlaceOfBirth	eml-core		xs:token	The place of birth of a voter.	
PollingDistrict	eml-core		PollingDistrictStructure	Used to indicate the district within which a voter is allowed to vote.	
PollingInformation	430	410	340		n/a	Details of how an eligible voter can vote (e.g. name of the election event, polling start and end time etc…)	
PollingPlace	eml-core		PollingPlaceStructure	The physical location (polling station or postal vote address) or an electronic location (for internet SMS, telephone and other electronic means of voting) where a voter casts his/her vote.	
PollingStation	eml-core		xs:token	A place where a voter may physically cast a vote. Several polling stations may be at the same polling place.	
Position	eml-core	340	330	120	310	PositionStructure & xs:token	The position (e.g. President) for which people are voting.	
PostalLocation	eml-externals		PostalLocationStructure	The address to which a postal vote should be returned.	
PreferredChannel	eml-core	360b		VotingChannelType	The voter's preferred channel of voting. E.g. Kiosk	
PreferredContact	eml-core		n/a	Statement as to the which is the preferred contact method when there are multiple contact methods.	
PreferredLanguage	eml-core		LanguageType	The language which a voter prefers to use.	
PreviousElectoralAddress	eml-core	430	410	340	330 120	310		ElectoralAddressStructure	If a voter has been at his/her current address for less than a predefined period, then this may be required by the registration system.	
ProcessingUnits	eml-core	510	480	470	460 445	440		n/a	Any item of equipment used within the electoral process.	
Profession	eml-core		xs:token	The profession of a candidate.	
Profile	eml-core		MessagesStructure	A description of a candidate.	
ProofOfID	120		n/a	Proof of a voter's identification.	
Proposal	eml-core	610		ProposalStructure	Used in a referendum, it is a piece of text with the options 'yes' 'no', 'for', 'against' etc… to be voted on.	
ProposalIdentifier	eml-core	620		ProposalIdentifierStructure	The official designation of a proposal.	
ProposalName	eml-core		xs:token	The official name of a proposal.	
ProposedRejection	460		n/a	Indicates the intention of an election official to reject a vote (with the reason for the rejection). This vote will be counted as part of the number of votes cast.	
ProposedUncounted	460		YesNoType	Indicates the intention of an election official to reject a vote without the vote being counted as part of the number of votes cast. This could occur, for example, if the vote is thought to be fraudulent.	
Proposer	eml-core	610		ProposerStructure	A person who proposes or supports the proposal of a person, party or proposal for which people will vote.	
ProposerDateOfBirth	eml-core	610		ProposerStructure	The date of birth of the proposer.	
Proxy	eml-core	360b	340		ProxyStructure	A person (identified by name and/or position) appointed by a voter to vote on his/her behalf.	
ProxyAddress	eml-externals		ProxyAddresStructure	The address of a proxy voter.	
ProxyDateOfBirth	eml-core	430	410	330	310 120		xs:date	The date of birth of the person who is voting by proxy.	
ProxyAgrees	eml-core	YesNoType	Indicates that a person agrees to act as proxy for another.	
ProxyFor	eml-core	n/a	Indicates the person for whom a proxy is acting.	
Qualification	eml-core	340	330	310	120	xs:token	Used to identify the attribute of a person (e.g. spouse) that allows him or her to vote on behalf of the voter.	
Qualifier	330	xs:token	Used for indicating information that might affect a voter's right to vote or information as to how the vote is managed.	
QualifyingAddress	eml-externals		QualifyingAddressStructure	The address of a candidate in an election that entitles him or her to stand.	
RaisedBy	480	130		ProcessingUnit Structure	The identification of a device that has raised an error message.	
Reason	eml-core		xs:token	The reason for appointing a proxy, qualification of a token, blocking a vote etc.	
Recipient	eml-core	360b	350b		ResponsibleOfficerStructure	The official to whom a message is addressed.	
ReferendumOptionIdentifier	eml-core	430	410	340		ReferendumOptionIdentifierStructure	The official designation of one of the possible responses to a refendum question.	
RegisteredName	eml-core		xs:token	The official name of an affiliation such as a political party.	
RejectedVotes	510		xs:nonNegativeInteger	The number of votes that have been rejected for a specified reason.	
Remark	620	450	430	120		xs:token	A textual comment.	
ReportingUnitIdentifier	eml-core	510	460	440		ReportingUnitIdentifierStructure	The identifier of an administrative unit which collects a portion of the votes for a specific contest and passes either the votes or a count of the votes for combining with those from other reporting units to generate a final result.	
ReportingUnitVotes	510		n/a	The votes received by the unit for which votes are required to be reported for a given contest.	
Request	120	n/a	Indicates that the 120 message is a request for an action (rather than a response).	
RequestedAction	330	xs:NMTOKEN	Indicates the action to be taken with the voter information provided.	add	delete	replace
RequestedMessageLanguage	480	130		LanguageType	The language in which a message was requested. Used when reporting an error.	
RequestedResponseLanguage	eml-core		LanguageType	The language in which a voter would like a response to a message.	
Response	120	n/a	Indicates that the 120 message is a response to a request for an action.	
ResponseMethod	110		xs:token	The method of responding to a vote. This might be a simple acknowledgement, an acknowledgement code identifying the candidate voted for or some other mechanism.	
Responsibility	eml-core		xs:token	An indication of the responsibility of a responsible officer.	
ResponsibleOfficer	eml-core		ResponsibleOfficerStructure	Person responsible for organising and ensuring a fair and accurate election in accordance with election laws. Each officer will have a defined responsibility, name and contact details.	
Result	520	120		n/a	The result of an election.	
ResultReporting	520		n/a	Optional elements for extending ability to report on partial/complete results and prior election result comparisons along with external press release totals rather than tabulation result totals.	

Element	Message	Type	Description	Values
RetrieveVote	445	n/a	A message type to be used where votes can be retrieved after they have been cast using some provisional voting mechanism.	
ReturnTo	eml-core	360a	350a		ResponsibleOfficerStructure	The official to whom the response to a message should be returned.	
Rotation	430	410	340		n/a	Used to indicate that the order in which candidates appear on a ballot must be varied.	
RotationMethod	340	410	430	xs:token	The method used to apply rotation.	
ScrutinyRequirement	eml-core	210		ScrutinyRequirementStructure	A condition the candidate must meet to stand in a specific contest.	
Seal	eml-core		SealStructure	The means of providing assurance that a vote, voting token or complete message has not be altered between creation and consumption. Used also to authenticae the identity of the system that collected the vote, and provide proof of the time at which the vote was cast.	
SealLoggingSystem	eml-core	510	480	470	460	445	440		ProcessingUnitStructure	The system that carries out adding seals to an audit log.	
Selection	510	460	440		n/a	The voters selection of candidate, affiliation or referendum option.	
SequencedElementName	eml-core		xs:NMTOKEN	Where a message is split to reduce transmission size, this indicates the element, repetitions of which are divided between the sub-messages.	
SequenceNumber	eml-core		xs:positiveInteger	Where a message is split to reduce transmission size, this element indicates the position of a specified part in the sequence of sub-messages.	
ShortCode	eml-core	460	440		xs:NMTOKEN	Identifies the election when voting using SMS or other voting mechanisms where a short identif is required.	
Sign	210	n/a	An element containing a digital signature.	
Simulation	510	520	n/a	A simulation of a result or count, based on the count oanother contest.	
Source	120	ProcessingUnitStructure	Indicates the sending device for a 120 (interDB) message.	
SpecialRequest	eml-core		xs:token	A request made by a voter and held on the electoral register. This might, for exmaple, indicate a need for wheelchair access to a polling station.	
Spoilt	460	440		n/a	A ballot that cannot be counted because it does not meet some rule.	
Start	110	340	410	430		BallotIdentifierStructure	The start of a range of ballot identifiers.	
Success	120		YesNoType	Indicates whether an action requested from another database was completed successfully.	
Telephone	eml-core	TelephoneStructure	A telephone number.	
TimeAvailable	eml-core		n/a	Used for special circumstances (such as the use of a mobile polling station), when the time a location is available is not the same time when the channel is available.	
TransactionId	eml-core		xs:token	A reference number for a message. When a message is divided into sub-messages, each will have the same TransactionId.	
ts:TimeStamp	eml-core		TimestampType	A form of electronic signature that includes the time at which the signature was created.	
UncountedVotes	510	xs:nonNegativeInteger	The number of votes that will not be counted for some specified reason.	
Update	480	470		YesNoType	Indicates that a message should update some information ratehr than replace it.	
URL	eml-core		xs:anyURI	A Uniform Resource Locator to RFC 1738	
ValidVotes	510	xs:nonNegativeInteger	The number of valid votes cast.	
Value	510	VotingValueType	Used to indicate the value associated with different parts of the Count.	Cast	Read	TotalCounted	Provisionals	Abstentions	RejectedVotes
VoteConfirmation	450		n/a	Indicates back to the voter whether or not the vote has been accepted.	
VoteType	510	Attribute used in totalling for rejected and uncounted totalling.	
Voter	445	360a	360b	350a	350b	340		n/a	A person who is eligible to vote.	
VoterArtefact	330	n/a	Used in the verification of a voter during the voter registration process.	
VoterContact	eml-core		ContactDetailsStructure	The contact details of an eligible voter.	
VoterDetails	330		n/a	The set of details about a voter included in the election list.	
VoterIdentification	eml-core	430	410	330	310	120		VoterIdentificationStructure	Used wherever identification of a voter is required.	
VoterInformation	330	310	120		VoterInformationStructure	Details relating to the voter other than their official identification.	
VoterGroup	510	330		xs:token	Indicates that only a partial election list is being transferred, such as just the proxies.	
VoterName	eml-core		PersonNameStructure	The name of an eligible voter.	
VoterSiganture	eml-core	430	410	330	310	120		VoterIdentificationStructure	The signature of the voter. The permitted graphics images of signatures are either .jpg, or .gif, or .png.	
VotingChannel	eml-core	420	360a		VotingChannelType	The method in which the vote is being cast.	SMS	WAO	digitalTV	kiosk	polling	postal	telephone	other
VotingMethod	eml-core		VotingMethodType	The type of election being held.	AMS	FPP	OPV	SPV	STV	NOR	cumulative	approval	block	partylist	partisan	supplementaryvote	other
VotingPeriod	340		n/a	The unit of time which the election is being held.	
VotingSystem	eml-core	510	480	470	460	445	440		ProcessingUnitStructure	The physical system used to collect votes cast electronically.	
VToken	eml-core	460	450	440	420		VTokenStructure	Contains information required to authenticate the voter's right to vote in a specific contest or election.	
VTokenLoggingSystem	eml-core	510	480	470	460	445	440		ProcessingUnitStructure	The system that carries out adding voting tokens to an audit log.	
VTokenQualified	eml-core	460	450	440	420		VTokenQualifiedStructure	Used when there is a query of a voter's right to vote.	
WriteIn	eml-core		WriteInType	The type of write-in that is permitted	Allowed	None	Strikeout	Other
WriteinCandidateName	460	440		xs:token	Some elections allow a voter to write-in the name of the person they would like to see elected, although they are not included on the ballot paper. This is known as a write-in candidate.	
WriteinMax	110	xs:positiveInteger	The maximum number of write-in votes permitted.	