

Data Element Name	Type	Schema(s) Found in	XS	Restricted from	Extended from	Type	Definition	Enumerations
Abstentions	xs:nonNegativeInteger	510	xs:element			xs:nonNegativeInteger	Report of a no vote.	
Accepted	YesNoType	eml-core   620   480   450   220   130   210	xs:element			YesNoType	Indicates acceptance of a candidate, referendum proposal, vote or message.	yes   no
Action			xs:element	xs:token		xs:token	Indicates the action being requested - either to consent to a nomination or to withdraw from a contest.	
ActionTime	xs:dateTime	120	xs:element			xs:dateTime	Specifies when the specified action should be carried out.	
ActionedTime	xs:dateTime	120	xs:element			xs:dateTime	Specifies when the specified action was carried out.	
Address	StructuredAddressStructure	eml-externals	xs:element			n/a	A physical location. Addresses are specified for each individual or organisation involved in the voting processes, eg voter, election authority.	
Affiliation	AffiliationStructure	eml-core   430   410   340   210	xs:element			AffiliationStructure	Indicates the membership of some organisation such as a political party	
AffiliationIdentifier	AffiliationIdentifierStructure	eml-core	xs:element			AffiliationIdentifierStructure	Indicates the official name and ID of the affiliated organisation	
AffiliationType	AffiliationTypeStructure	eml-core   430   410   340   210	xs:element			AffiliationStructure	Indicates the type of organisation that an individual is a member of.	
Age	xs:positiveInteger	eml-core	xs:element			xs:positiveInteger	The age of a candidate or voter	
Agent	AgentStructure	eml-core	xs:element			AgentStructure	Someone who works for the candidate. There are various different roles for a candidate's agent	
AgentIdentifier	AgentIdentifierStructure	eml-core	xs:element			AgentIdentifierStructure	The agent's name and ID	
AgentName	PersonNameStructure	eml-core	xs:element			PersonNameStructure	The full name of the agent	
AllowedChannels		110	xs:element			n/a	The list of eligible channels for an election event.	
Area	AreaStructure	eml-core	xs:element			AreaStructure	A geographic area covered by a contest	
Association		eml-core	xs:element			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	xs:element		AuditInformationStructure	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	xs:token	110	xs:element			xs:token	The method used to authenticate an eligible voter.	
AuthorityAddress	AuthorityAddressStructure	eml-externals	xs:element			AuthorityAddressStructure	The address of the authority running the election.	
AuthorityIdentifier	AuthorityIdentifierStructure	eml-core	xs:element			AuthorityIdentifierStructure	The identifier of the authority running the election.	
Ballot		430   410   340	xs:element			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	BallotIdentifierStructure	eml-core   460   440   445	xs:element			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	xs:token	eml-core	xs:element			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. It 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	(reference)	330	xs:element			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	CandidateStructure	eml-core   430   410   340   210	xs:element			CandidateStructure	An individual or party standing in a contest.	
CandidateAction	(reference)	210	xs:element			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	PersonNameStructure	eml-core	xs:element			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	CandidateIdentifierStructure	eml-core   460   440	xs:element			CandidateIdentifierStructure	The system ID for the candidate, as well as the name to which the candidate's name will appear on the ballot.	
CandidateList	(reference)	230	xs:element			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	CastVoteStructure	460   440	xs:element			CastVoteStructure	A ballot containing the preferences of the voter.	
Category		eml-core	xs:attribute	xs:token		n/a	Used to classify different types of Proposer.	primary   secondary   other
Channel	VotingChannelType	eml-core   340   330   310   120   110	xs:element			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	xs:token	eml-core	xs:element			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	xs:element			n/a	A specific part of a voting token. For example, a voting token might have components called 'PIN' and 'password'.	
ConfirmationReference	ConfirmationReferenceType	450				ConfirmationResponseStructure	The reference generated once the confirmation of a vote has been completed.	
Contact	ContactDetailsStructure	eml-core   430   410   340	xs:element			ContactDetailsStructure	Mailing address, email address, phone number etc. for any person involved in 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	xs:element			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	YesNoType	430   410	xs:attribute			n/a	Indicates that there are more candidates than positions available and so voting will take place.	
ContestIdentifier	(reference)	eml-core   620   610   520   510   480   470   460a   360b   445   440   430   410   350a   350b   350c   340   330   230   220   210   110	xs:element			ContestIdentifierStructure	The official designation of the contest.	
ContestName	xs:token	eml-core	xs:element			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	(reference)	510	xs:element			n/a	The accumulating of votes that have been cast.	
CountMetrics		110   510				n/a	The definition of the metrics to be used in the Count of cast votes.	

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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
CountReport		110   510				n/a	The pre-definition of exactly what is needed in the count results tabulations.	
CountingAlgorithm	CountingAlgorithmType	emi-core   110	xs:element			CountingAlgorithmType	The method of counting used for more complex forms of election.	
CountingSystem	ProcessingUnitStructure	emi-core   510   480   470   460   445   440	xs:element			ProcessingUnitStructure	The system used to accumulate votes that have been cast.	
DateOfBirth	xs:date	emi-core	xs:element			xs:date	The date of birth of the voter or candidate.	
Dates		emi-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 ( <a href="http://www.govtalk.gov.uk/gdsc/html/">http://www.govtalk.gov.uk/gdsc/html/</a> ).	
Description		emi-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		emi-core				n/a	Provides information related to the rendering of a message for display	
DisplayOrder	xs:positiveInteger	emi-core   430   410   340   110	xs:attribute			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	DocumentIdentifierStructure	emi-core	xs:element			DocumentIdentifierStructure	A reference to external documents relevant to a specific message type.	
ds:Signature	(reference)	emi-core   610   210	xs:element			ds:SignatureType	An electronic signature using the XML Signature syntax.	
EffectiveDateAdded	xs:date	emi-core	xs:element			xs:date	The date at which a person was added to an electoral register.	
EffectiveDateRemoved	xs:date	emi-core	xs:element			xs:date	The date at which a person was removed from an electoral register.	
Elected	YesNoType	520	xs:element			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	xs:element			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		emi-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	(reference)	110	xs:element			n/a	See Event.	
ElectionGroup	ElectionGroupStructure	emi-core	xs:element			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	ElectionIdentifierStructure	emi-core	xs:element			ElectionIdentifierStructure	The official designation of the election.	
ElectionList	(reference)	330	xs:element			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 permissible.	
ElectionName	xs:token	emi-core	xs:element			xs:token	The official name of an election.	
ElectionStatement	MessageStructure	emi-core	xs:element			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	StructuredAddressStructure	emi-externals	xs:element			ElectoralAddressStructure	The address that gives the voter the right to vote in a specific contest.	
ElectronicLocation		emi-core	xs:element		xs:token	xs:token	Used for describing a Polling Place, it must indicate its address (e.g. phone number, URL).	
Eligibility		emi-core				xs:token	The election types for which the voter is eligible to vote.	
Email		emi-core				EmailStructure	An email address.	
End		emi-core   430   410   340   110				BallotIdentifierStructure	The end of a range of ballot identifiers.	
Endorsement		230				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	xs:token	emi-core	xs:element			xs:token	The ethnicity of a voter.	
Event		emi-core     330   310   120	xs:element			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.	
EventData		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	EventIdentifierStructure	emi-core   620   610   510   480   470   460   450   445   440   360a   360b   350a   350b   350c   330	xs:element			EventIdentifierStructure	The official designation of the event.	
EventName	(reference)	emi-core	xs:element			xs:token	The official name of the event.	
EventQualifier	EventQualifierStructure	emi-core	xs:element			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		emi-core				xs:token	The extension number in a telephone number.	
ExpectedConfirmationReference	ConfirmationReferenceType	emi-core	xs:attribute			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		emi-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	xs:NMTOKEN	emi-core	xs:attribute			n/a	Indicates the format of the element content, e.g. XHTML.	This element appears in different contexts with different allowed values
FurtherInformation		emi-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	GenderType	emi-core	xs:element			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.	

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IncomingGenericCommunication		350b				IncomingGenericCommunicationStructure	A generic message type for messages from the voter.	
InternalGenericCommunicationId		350c eml-core   430   410   340   330   310   120	xs:element		xs:token	InternalGenericCommunicationStructure xs:token	A generic message type for messages between systems. 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	YesNoType	eml-core	xs:attribute			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 in elections held under the party list system.	
InterDb		120				n/a	A message type for messages flowing between voter registration 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	xs:language	110	xs:element			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	xs:token	420	xs:element			xs:token	An indication of the method the voter must use to authenticate themselves to a voting system. This might be channel-dependent.	
Logo	PictureDataStructure	eml-core	xs:element			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	MailingAddressStructure	eml-externals	xs:element			MailingAddressStructure	A simple address format used for mailing purposes. The format can be tailored to local needs.	
ManagingAuthority	ManagingAuthorityStructure	eml-core   110	xs:element			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	xs:positiveInteger	eml-core	xs:element			xs:positiveInteger	The maximum number of votes allowed.	
MaxWriteIn	xs:nonNegativeInteger	430   410   340	xs:element			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	xs:element			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	LanguageType	eml-core	xs:element			LanguageType	The language to be used when displaying a message.	
MinVotes	xs:nonNegativeInteger	eml-core	xs:element			xs:nonNegativeInteger	The minimum number of votes allowed.	
Name	xs:token	eml-core	xs:element			PersonNameStructure & xs:token	The name of a voter.	
Nationality	xs:token	eml-core	xs:element			xs:token	The nationality of a voter.	
Nominate		210   610				n/a	The collection of proposers for a candidate, affiliation or referendum proposal.	
Nomination	(reference)	210	xs:element			n/a	The nomination of a candidate for an election.	
NominationResponse	(reference)	220	xs:element			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	xs:positiveInteger	eml-core	xs:element			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	YesNoType	460	xs:attribute			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	StructuredAddressStructure	eml-externals	xs:element			OfficialAddressStructure	The official address of a candidate.	
Options		eml-core	xs:element			n/a	The collection of possible responses for a referendum proposal.	
OptionsList	(reference)	630	xs:element			n/a	The list of referendum options presented to a voter.	
OptionsNomination	(reference)	610	xs:element			n/a	The nomination of a proposal for a referendum.	
OptionsNominationResponse	(reference)	620	xs:element			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	ProcessingUnitStructure	eml-core   510   480   470   460   445   440	xs:element			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.	
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	xs:token	460   440	xs:element			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				PersonNameType	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	xs:element			n/a	The physical location of a polling place (in contrast to an electronic location).	
PlaceOfBirth	xs:token	eml-core	xs:element			xs:token	The place of birth of a voter.	
PollingDistrict	PollingDistrictStructure	eml-core	xs:element			PollingDistrictStructure	Used to indicate the district within which a voter is allowed to vote.	
PollingInformation	(reference)	430   410   340	xs:element			n/a	Details of how an eligible voter can vote (e.g. name of the election event, polling start and end time etc...)	
PollingPlace	PollingPlaceStructure	eml-core	xs:element			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:element		xs:token	xs:token	A place where a voter may physically cast a vote. Several polling stations may be at the same polling place.	
Position	xs:token	eml-core   340   330   120   310	xs:element			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	VotingChannelType	eml-core   360b	xs:element			VotingChannelType	The voter's preferred channel of voting. E.g. Kiosk	

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PreferredContact		eml-core	xs:element			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	StructuredAddressStructure	eml-core   430   410   340   330   120   310	xs:element			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	xs:element			n/a	Any item of equipment used within the electoral process.	
Profession	xs:token	eml-core	xs:element			xs:token	The profession of a candidate.	
Profile	MessageStructure	eml-core	xs:element			MessagesStructure	A description of a candidate.	
ProofOfID		120				n/a	Proof of a voter's identification.	
Proposal	ProposalStructure	eml-core   610	xs:element			ProposalStructure	Used in a referendum, it is a piece of text with the options 'yes' 'no', 'for', 'against' etc... to be voted on.	
ProposalIdentifier	ProposalIdentifierStructure	eml-core   620	xs:element			ProposalIdentifierStructure	The official designation of a proposal.	
ProposalName	xs:token	eml-core	xs:element			xs:token	The official name of a proposal.	
ProposedRejection		460	xs:element		YesNoType	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	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	ProposerStructure	eml-core   230   610	xs:element			ProposerStructure	A person who proposes or supports the proposal of a person, party or proposal for which people will vote.	
ProposerDateOfBirth		eml-core   610	xs:element			ProposerStructure	The date of birth of the proposer.	
Proxy	ProxyStructure	eml-core   360b   340	xs:element			ProxyStructure	A person (identified by name and/or position) appointed by a voter to vote on his/her behalf.	
ProxyAddress		eml-externals				ProxyAddressStructure	The address of a proxy voter.	
ProxyDateOfBirth		eml-core   430   410   330   310   120	xs:element	VoterIdentificationStructure		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	xs:token	eml-core   340   330   310   120	xs:element			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	xs:token	330	xs:element			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:element			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	ReferendumOptionIdentifierStructure	eml-core   430   410   340	xs:element			ReferendumOptionIdentifierStructure	The official designation of one of the possible responses to a referendum question.	
RegisteredName	xs:token	eml-core	xs:element			xs:token	The official name of an affiliation such as a political party.	
RejectedVotes		510	xs:element	xs:nonNegativeInteger		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	ReportingUnitIdentifierStructure	eml-core   510   460   440	xs:element			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	(reference)	510	xs:element			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	LanguageType	eml-core	xs:element			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	xs:token	110	xs:element			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	xs:token	eml-core	xs:element			xs:token	An indication of the responsibility of a responsible officer.	
ResponsibleOfficer	ResponsibleOfficerStructure	eml-core	xs:element			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	(reference)	520   120	xs:element			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.	
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	YesNoType	430   410   340	xs:element			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	ScrutinyRequirementStructure	eml-core   210	xs:element			ScrutinyRequirementStructure	A condition the candidate must meet to stand in a specific contest.	
Seal	SealStructure	eml-core	xs:element			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 authenticate the identity of the system that collected the vote, and provide proof of the time at which the vote was cast.	
SealLoggingSystem	ProcessingUnitStructure	eml-core   510   480   470   460   445   440	xs:element			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	xs:NMTOKEN	eml-core	xs:element			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	xs:positiveInteger	eml-core	xs:element			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	ShortCodeType	eml-core   460   440	xs:attribute			xs:NMTOKEN	Identifies the election when voting using SMS or other voting mechanisms where a short identifier 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 of another contest.	
Source		120				ProcessingUnitStructure	Indicates the sending device for a 120 (interDB) message.	
SpecialRequest	xs:token	eml-core	xs:element			xs:token	A request made by a voter and held on the electoral register. This might, for example, indicate a need for wheelchair access to a polling station.	
Spoilt	xs:token	460   440	xs:attribute			n/a	A ballot that cannot be counted because it does not meet some rule.	

Data Element Name	Type	Schema(s) Found in	XS	Restricted from	Extended from	Type	Definition	Enumerations
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		emi-core				TelephoneStructure	A telephone number.	
TimeAvailable		emi-core	xs:element			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	xs:token	emi-core	xs:element			xs:token	A reference number for a message. When a message is divided into sub-messages, each will have the same TransactionId.	
ts:TimeStamp	(reference)	emi-core	xs:element			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	YesNoType	480   470	xs:element			YesNoType	Indicates that a message should update some information rather than replace it.	
URL	xs:anyURI	emi-core	xs:element			xs:anyURI	A Uniform Resource Locator to RFC 1738	
ValidVotes	xs:nonNegativeInteger	510	xs:element			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   Total/Counted   Provisionals   Abstentions   RejectedVotes
VoteConfirmation	(reference)	450	xs:element			n/a	Indicates back to the voter whether or not the vote has been accepted.	
VoteType		510				n/a	Attribute used in totalling for rejected and uncounted totalling.	
Voter	VoterIdentificationStructure	445   360a   360b   350a   350b   340	xs:element			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	ContactDetailsStructure	emi-core	xs:element			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		emi-core   430   410   330   310   120	xs:element	VoterIdentificationStructure		VoterIdentificationStructure	Used wherever identification of a voter is required.	
VoterInformation	VoterInformationStructure	330   310   120	xs:element			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	VoterNameStructure	emi-core	xs:element			PersonNameStructure	The name of an eligible voter.	
VoterSignature		emi-core   430   410   330   310   120	xs:element	VoterIdentificationStructure		VoterIdentificationStructure	The signature of the voter. The permitted graphics images of signatures are either .jpg, or .gif, or .png.	
VotingChannel	VotingChannelType	emi-core   420   360a	xs:element			VotingChannelType	The method in which the vote is being cast.	SMS   WAO   digitalTV   kiosk   polling   postal   telephone   other
VotingMethod	VotingMethodType	emi-core	xs:element			VotingMethodType	The type of election being held.	AMS   FPP   IRV   OPV   RCV   SPV   STV   NOR   cumulative   approval   block   partylist   partisan   supplementaryvote   other
VotingPeriod		340	xs:element			n/a	The unit of time which the election is being held.	
VotingSystem	ProcessingUnitStructure	emi-core   510   480   470   460   445   440	xs:element			ProcessingUnitStructure	The physical system used to collect votes cast electronically.	
VToken	VTokenStructure	emi-core   460   450   440   420	xs:element			VTokenStructure	Contains information required to authenticate the voter's right to vote in a specific contest or election.	
VTokenLoggingSystem	ProcessingUnitStructure	emi-core   510   480   470   460   445   440	xs:element			ProcessingUnitStructure	The system that carries out adding voting tokens to an audit log.	
VTokenQualified	VTokenQualifiedStructure	emi-core   460   450   440   420	xs:element			VTokenQualifiedStructure	Used when there is a query of a voter's right to vote.	
WriteIn		emi-core				WriteInType	The type of write-in that is permitted	Allowed   None   Strikeout   Other
WriteInCandidateName	xs:token	460   440	xs:element			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.	