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>>
>> -----
>> Metadata element descriptions for a SCEC AWM wavefield dataset
>>

// ----- DATASET IDENTIFICATION INFORMATION -----
//-----

DC.title
  DataElementName:      DC.title
  Description:          Dublin Core element "title",
  see definition in Appendix A
  IDLType:              n/a
  ValidValues/Range:   n/a
  Required:             True
  Example:              4D Wavefield Information
  Comments:

DC.subject
  DataElementName:      DC.subject
  Description:          Dublin Core element "subject",
  see definition in Appendix A
  IDLType:              n/a
  ValidValues/Range:   n/a
  Required:             True
  Example:              scheme="LCC" content="QE521-545"
  Comments:

DC.type
  DataElementName:      DC.type
  Description:          Dublin Core element "type",
  see definition in Appendix A
  IDLType:              n/a
  ValidValues/Range:   n/a
  Required:             True
  Example:              scheme="DCMIType" content="Dataset"
  Comments:

DC.identifier
  DataElementName:      DC.identifier
  Description:          Dublin Core element "identifier",
  see definition in Appendix A
  IDLType:              n/a
  ValidValues/Range:   n/a
  Required:             True
  Example:              scheme="URI"
  content="http://www.scec.org/digital_library/Pathway_3/4DWF/OutXYZ"
  Comments:

DC.rights
  DataElementName:      DC.rights
  Description:          Dublin Core element "rights",
  see definition in Appendix A
  IDLType:              n/a
  ValidValues/Range:   n/a
  Required:             False

```

Example: lang="en" content="Copyright
SCEC 2003 - All rights reserved."
Comments:

DC.description

DataElementName: DC.description
Description: Dublin Core element "description",
see definition in Appendix A
IDLType: n/a
ValidValues/Range: n/a
Required: True
Example: "4D seismic wavefield data
generated using Olsen
Anelastic Wave Model (AWM 2000), the
SCEC Velocity Model and the
Seismic Source (NorthRidge2)
for the 1994 Northridge earthquake."

Comments:

DC.publisher

DataElementName: DC.publisher
Description: Dublin Core element "publisher",
see definition in Appendix A
IDLType: n/a
ValidValues/Range: n/a
Required: True
Example:
Comments:

DC.date.created

DataElementName: DC.date.created
Description: Dublin Core element-refinement
"created",
see definition in Appendix A
IDLType: n/a
ValidValues/Range: n/a
Required: True
Example: scheme="W3CDTF"
content="1997-07-16T19:20:30.45+01:00"
Comments:

// ----- PROVENANCE INFORMATION -----

// This is really only a placeholder for more complete provenance information
// that will be generated by the chosen management system, eg Chimera.

// Product -- provenance information about the dataset.

DC.creator

DataElementName: DC.creator
Description: Dublin Core element "creator",
see definition in Appendix A
IDLType: n/a
ValidValues/Range: n/a

Required: True
Example:
Comments:

DC.contributor

DataElementName: DC.contributor
Description: Dublin Core element "contributor",
see definition in Appendix A
IDLType: n/a
ValidValues/Range: n/a
Required: False
Example:
Comments:

DC.source

DataElementName: DC.source
Description: Dublin Core element "source",
see definition in Appendix A
IDLType: n/a
ValidValues/Range: n/a
Required: True
Example: scheme="URI"
content="http://www.scec.org/digital_library/4DWF/Model23"
Comments:

// ProgramExecution -- information about the execution of application code.

ProgramExecution.Start

DataElementName: Execution.Start
Description: The date and time of the start of the program.
IDLType: string
ValidValues/Range: n/a
Required: True
Example:
Comments:

ProgramExecution.Duration

DataElementName: Execution.Duration
Description: The duration of the execution
IDLType: Duration
ValidValues/Range: n/a
Required: False
Example:
Comments:

ProgramExecution.CPU.time

DataElementName: Execution.CPUtime
Description: The amount of CPU time used in this
execution.
IDLType: Duration
ValidValues/Range: n/a
Required: False
Example:
Comments:

ProgramExecution.OperatingSystem

DataElementName: Execution.OperatingSystem
Description: The operating system on which the application was
run.
IDLType: string

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ValidValues/Range:      n/a
Required:               False
Example:
Comments:

// ----- DATA CHARACTERIZATION -----
// DataDescription -- describes the data at each data "point" in the dataset.

DataElementName:      DataDescription
Description:          describes the data at each data "point" in the
dataset.
IDLType:              sequence of DataElementDescription elements
ValidValues/Range:    n/a
Required:             True
Example:
Comments:

// 3DData -- describes the 3D grid

3DData.NumPointsXdirection
DataElementName:      3DData.NumPointsXdirection
Description:          The number of data points in the X direction.
IDLType:              integer
ValidValues/Range:    n/a
Required:             True
Example:
Comments:

3DData.NumPointsYdirection
DataElementName:      3DData.NumPointsYdirection
Description:          The number of data points in the Y direction.
IDLType:              integer
ValidValues/Range:    n/a
Required:             True
Example:
Comments:

3DData.NumPointsZdirection
DataElementName:      3DData.NumPointsZdirection
Description:          The number of data points in the Z direction.
IDLType:              integer
ValidValues/Range:    n/a
Required:             True
Example:
Comments:

// TimeSeries -- characteristics of TimeSeries data

TimeSeries.StartTime
DataElementName:      TimeSeries.StartTime
Description:          The starting time (of the first data) of the
timeseries.
IDLType:              string
ValidValues/Range:    n/a
Required:             True
Example:
Comments:          This can be 0 if there is no absolute time.

TimeSeries.NumberOfSteps

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    DataElementName:      TimeSeries.NumberOfSteps
    Description:          The number of time steps in the series.
    IDLType:              integer
    ValidValues/Range:   n/a
    Required:             True
    Example:
    Comments:

TimeSeries.TimeIncrement
    DataElementName:      TimeSeries.TimeIncrement
    Description:          The delta time for each timestep.
    IDLType:              Duration
    ValidValues/Range:   n/a
    Required:             True
    Example:
    Comments:

// ----- DATASET CHARACTERIZATION -----

// AnelasticWaveModel -- information about the AWM code used to produce the
dataset.

AnelasticWaveModel.DC.title
    DataElementName:      AnelasticWaveModel.DC.title
    Description:          Dublin Core element "title",
    see definition in Appendix A
    IDLType:              n/a
    ValidValues/Range:   n/a
    Required:             True
    Example:              SCEC Community AWM
    Comments:

AnelasticWaveModel.Version
    DataElementName:      AWM.Version
    Description:          The CVS Version number of this model.
    IDLType:              string
    ValidValues/Range:   n/a
    Required:             True
    Example:              2.2
    Comments:             may be - or include - CVS
    "tag" information.

AnelasticWaveModel.DC.description
    DataElementName:      AnelasticWaveModel.DC.description
    Description:          Dublin Core element "description",
    see definition in Appendix A
    IDLType:              n/a
    ValidValues/Range:   n/a
    Required:             True
    Example:              4th order, staggered grid,SCEC
    Comments:

AnelasticWaveModel.DC.creator
    DataElementName:      AWM.DC.creator
    Description:          Dublin Core element "creator",

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see definition in Appendix A
IDLType: n/a
ValidValues/Range: n/a
Required: True
Example:
Comments:

AnelasticWaveModel.DC.contributor

DataElementName: AWM.DC.creator
Description: Dublin Core element "contributor",
see definition in Appendix A
IDLType: n/a
ValidValues/Range: n/a
Required: False
Example:
Comments:

AnelasticWaveModel.Type

DataElementName: AWM.Type
Description: The type of computational
method used in this model.
IDLType: string
ValidValues/Range: "FE", "FD"
Required: True
Example: FD
Comments:

// VelocityModel -- information about the Velocity model used by the AWM.

VelocityModel.DC.title

DataElementName: VelocityModel.DC.title
Description: Dublin Core element "title",
see definition in Appendix A
IDLType: n/a
ValidValues/Range: n/a
Required: True
Example: SCEC Community Velocity Model
Comments:

VelocityModel.Version

DataElementName: VelocityModel.Version
Description: CVS Version
IDLType: string
ValidValues/Range: n/a
Required: True
Example: 3.2
Comments: may be or contain CVS "tag"
information as well.

VelocityModel.DC.description

DataElementName: VelocityModel.DC.description
Description: Dublin Core element "description",
see definition in Appendix A
IDLType: n/a
ValidValues/Range: n/a
Required: True

Example:

VelocityModel.DC.creator

DataElementName: AWM.DC.creator
Description: Dublin Core element "creator",
see definition in Appendix A
IDLType: n/a
ValidValues/Range: n/a
Required: True
Example:
Comments:

VelocityModel.DC.contributor

DataElementName: AWM.DC.creator
Description: Dublin Core element "contributor",
see definition in Appendix A
IDLType: n/a
ValidValues/Range: n/a
Required: False
Example:
Comments:

VelocityModel.MinResolution

DataElementName: VelocityModel.MinResolution
Description: The minimum spatial resolution
of the model in meters.
IDLType: integer
ValidValues/Range: n/a
Required: False
Example:
Comments: If known.

VelocityModel.MinSWaveVelocity

DataElementName: VelocityModel.MinSWaveVelocity
Description: The minimum seismic s-wave velocity produced by
the model in meters per second.
IDLType: integer
ValidValues/Range: n/a
Required: False
Example:
Comments: If known.

// SeismicSimulationSource -- identifies the seismic source description

SeismicSimulationSource.DC.title

DataElementName: SeismicSimulationSource.DC.title
Description: Dublin Core element "title",
see definition in Appendix A
IDLType: n/a
ValidValues/Range: n/a
Required: True
Example: Northridge2
Comments:

SeismicSimulationSource.Version

DataElementName: SeismicSimulationSource.Version

Description: The version of this source definition.
IDLType: string
ValidValues/Range: n/a
Required: True
Example:
Comments:

SeismicSimulationSource.DC.description

DataElementName: SeismicSimulationSource.DC.description
Description: Dublin Core element "description",
see definition in Appendix A
IDLType: n/a
ValidValues/Range: n/a
Required: True
Example: The 1994 Northridge Earthquake.
Comments:

SeismicSimulationSource.Type

DataElementName: SeismicSimulationSource.Type
Description: The source type.
IDLType: string
ValidValues/Range: "tensor", "slip values", "slip function", free
text
Required: True
Example: tensor
Comments:

SeismicSimulationSource.DC.creator

DataElementName: AWM.DC.creator
Description: Dublin Core element "creator",
see definition in Appendix A
IDLType: n/a
ValidValues/Range: n/a
Required: True
Example:
Comments:

SeismicSimulationSource.DC.contributor

DataElementName: AWM.DC.creator
Description: Dublin Core element "contributor",
see definition in Appendix A
IDLType: n/a
ValidValues/Range: n/a
Required: False
Example:
Comments:

// SeismicSimulation -- information about a particular simulation.

SeismicSimulation.SimulationSpace

DataElementName: SeismicSimulation.SimulationSpace
Description: The extents of the volume of
the simulation.
IDLType: GeoVolume (see below)

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ValidValues/Range:      n/a
Required:               True
Example:
Comments:
SeismicSimulation.PointsPerMinSWavelength
DataElementName:
SeismicSimulation.PointsPerMinSWavelength
Description: The number of computational grid points per
minimum seismic S-wave wavelength used in the computation.
IDLType:               integer
ValidValues/Range:     > 0
Required:               False
Example:                4
Comments:               Required if applicable

>>
>> -----
>> The following are common metadata element types.
>> They are not directly associated with the wavefield metadata
>> except as element or subelement types.
>>

// Length -- contains the amount and units of a length.

Length.Value
DataElementName:      Length.Value
Description:           The length amount.
IDLType:               float
ValidValues/Range:    n/a
Required:              True
Example:               3.14159
Comments:

Length.Units
DataElementName:      Length.Units
Description:           The units of this length.
IDLType:               string
ValidValues/Range:    "kilometer","meter","millimeter",
                     "mile","foot","inch","lightyear",
                     free text
Required:              True
Example:               meter
Comments:

// Duration -- contains the amount and units of a duration of time.

Duration.Value
DataElementName:      Duration.Value
Description:           The length of time of the duration.
IDLType:               float
ValidValues/Range:    n/a
Required:              True
Example:               43.25
Comments:

Duration.Units
DataElementName:      Duration.Units
Description:           The units of the duration.

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IDLType:          string
ValidValues/Range: "millisecond", "second", "minute",
                   "hour", "day", "year"

Required:        True
Example:         second
Comments:

// Orientation -- describes a direction in space.

Orientation.Azimuth
  DataElementName: Orientation.Azimuth
  Description:     The angle in degrees clockwise from geographic
                  north.
                  // Maybe this should be in degrees from
                  // "local" north, ie, in the local coordinate
                  // system.  In which case, we'd have to identify
                  // what is considered "north" in the local
                  // coordinate system.

  IDLType:        float
  ValidValues/Range: -180 < Azimuth <= 180
  Required:       True
  Example:        22.5
  Comments:

Orientation.Dip
  DataElementName: Orientation.Dip
  Description:     The angle in degrees down from horizontal.
  IDLType:        float
  ValidValues/Range: -90 <= Dip <= 90
  Required:       True
  Example:        0
  Comments:       0 = horizontal,
                  -90 = straight up,
                  90 = straight down.

// CoordinateSystem -- describes a local coordinate system

CoordinateSystem.Description
  DataElementName: CoordinateSystem.Description
  Description:     A text description of the coordinate system.
  IDLType:        string
  ValidValues/Range: n/a
  Required:       True
  Example:        "right-handed, x positive east, y positive north,
                  z positive up"
  Comments:

CoordinateSystem.PositiveX
  DataElementName: CoordinateSystem.PositiveX
  Description:
  IDLType:        Orientation
  ValidValues/Range: n/a
  Required:       True
  Example:
  Comments:

CoordinateSystem.PositiveY
  DataElementName: CoordinateSystem.PositiveY

```

```

    Description:
    IDLType:           Orientation
    ValidValues/Range: n/a
    Required:          True
    Example:
    Comments:
CoordinateSystem.PositiveZ
    DataElementName:  CoordinateSystem.PositiveZ
    Description:
    IDLType:           Orientation
    ValidValues/Range: n/a
    Required:          True
    Example:
    Comments:

// Location -- identifies a point on or within the Earth.

Location.Latitude
    DataElementName:  Location.Latitude
    Description:      Latitude in decimal degrees north of the equator.
    IDLType:          float
    ValidValues/Range: -90 <= latitude <= 90
    Required:         True
    Example:
    Comments:
Location.Longitude
    DataElementName:  Location.Longitude
    Description:      Longitude in decimal degrees east of the Greenwich
                    meridian.
    IDLType:          float
    ValidValues/Range: -180 < longitude <= 180
    Required:         True
    Example:
    Comments:
Location.Elevation
    DataElementName:  Location.Elevation
    Description:      Surface elevation at this location.
    IDLType:          float
    ValidValues/Range: n/a
    Required:         False
    Example:
    Comments:        The elevation information is optional.
Location.Depth
    DataElementName:  Location.Depth
    Description:      Positive depth below the surface.
    IDLType:          float
    ValidValues/Range: >= 0
    Required:         False
    Example:
    Comments:        0 if omitted.
Location.Datum
    DataElementName:  Location.Datum
    Description:
    IDLType:
    ValidValues/Range: n/a
    Required:         False

```

Example:
Comments:

// GeoVolume -- describes a 3 dimensional volume of the Earth.

GeoVolume.Origin

DataElementName: GeoVolume.Origin
Description: The volume's origin point in geocentric
coordinates.

IDLType: Location

ValidValues/Range: n/a

Required: True

Example:

Comments:

GeoVolume.CoordinateSystem

DataElementName: GeoVolume.CoordinateSystem
Description: The coordinate system used for
the axes of the volume.

IDLType: CoordinateSystem

ValidValues/Range: n/a

Required: True

Example:

Comments:

GeoVolume.XDimension

DataElementName: GeoVolume.XDimension
Description: The length of the volume in the 'X' direction
in the volume's coordinate system.

IDLType: Length

ValidValues/Range: n/a

Required: True

Example:

Comments:

GeoVolume.YDimension

DataElementName: GeoVolume.YDimension
Description: The length of the volume in the 'Y' direction
in the volume's coordinate system.

IDLType: Length

ValidValues/Range: n/a

Required: True

Example:

Comments:

GeoVolume.ZDimension

DataElementName: GeoVolume.ZDimension
Description: The length of the volume in the 'Z' direction
in the volume's coordinate system.

IDLType: Length

ValidValues/Range: n/a

Required: True

Example:

Comments:

// DataElementDescription -- describes a component of the data in the dataset.

DataElementDescription.ElementName

```

    DataElementName:      DataElementDescription.ElementName
    Description:          The name of this data element.
    IDLType:              string
    ValidValues/Range:   n/a
    Required:             True
    Example:             
    Comments:

DataElementDescription.ElementDataType
    DataElementName:      DataElementDescription.ElementDataType
    Description:          The data type of this data element.
    IDLType:              string
    ValidValues/Range:   byte, integer, float, double, string
    Required:             True
    Example:             
    Comments:

DataElementDescription.ElementUnits
    DataElementName:      DataElementDescription.ElementUnits
    Description:          The units of this data element
    IDLType:              string
    ValidValues/Range:   n/a
    Required:             True
    Example:             
    Comments:

DataElementDescription.ElementDescription
    DataElementName:      DataElementDescription.ElementDescription
    Description:          A brief text description of this data element.
    IDLType:              string
    ValidValues/Range:   n/a
    Required:             True
    Example:             
    Comments:

// Person -- information about an individual

Person.Name
    // do we care to separate first and last names
    // or enforce a first name last name or last name, first name order?
    DataElementName:      Person.Name
    Description:          An individual's name.
    IDLType:              string
    ValidValues/Range:   n/a
    Required:             True
    Example:              John Doe
    Comments:

Person.Organization
    DataElementName:      Person.Organization
    Description:          The name of the organization with which this
    person is affiliated.
    IDLType:              string
    ValidValues/Range:   n/a
    Required:             True
    Example:              SCEC
    Comments:

Person.Email
    DataElementName:      Person.Email
    Description:          The contact email address for this person.
    IDLType:              string

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ValidValues/Range:      <username>@<host>
Required:               True
Example:                jdoe@SCEC.org
Comments:

Person.Phone
DataElementName:       Person.Phone
Description:           The contact telephone number for this person.
IDLType:               string
ValidValues/Range:    n/a
Required:              True
Example:                (213)444-1234
Comments:
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```
// VersionedEntity -- A container that holds name and version information
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```
VersionedEntity.Name
DataElementName:       VersionedEntity.Name
Description:           The name of this entity.
IDLType:               string
ValidValues/Range:
Required:              True
Example:
Comments:
```

```
VersionedEntity.Version
DataElementName:       VersionedEntity.Version
Description:           The version of this entity.
IDLType:               string
ValidValues/Range:    n/a
Required:              True
Example:
Comments:
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//-----
//----- APPENDIX A -----
// Dublin Core (DC) Metadata Element Set
```

```
Term Name:  title
URI: http://purl.org/dc/elements/1.1/title
Label: Title
Definition: A name given to the resource.
Comment: Typically, a Title will be a name by which the resource is
formally known.
Type of Term: element
Status: recommended
Date Issued: 1999-07-02
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```
Term Name:  subject
URI: http://purl.org/dc/elements/1.1/subject
Label: Subject and Keywords
Definition: The topic of the content of the resource.
Comment: Typically, a Subject will be expressed as keywords, key
phrases or classification codes that describe a topic of the
resource. Recommended best practice is to select a value from a
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controlled vocabulary or formal classification scheme.
Type of Term: element
Status: recommended
Date Issued: 1999-07-02

Term Name: description
URI: <http://purl.org/dc/elements/1.1/description>
Label: Description
Definition: An account of the content of the resource.
Comment: Description may include but is not limited to: an abstract, table of contents, reference to a graphical representation of content or a free-text account of the content.
Type of Term: element
Status: recommended
Date Issued: 1999-07-02

Term Name: date
URI: <http://purl.org/dc/elements/1.1/date>
Label: Date
Definition: A date associated with an event in the life cycle of the resource.
Comment: Typically, Date will be associated with the creation or availability of the resource. Recommended best practice for encoding the date value is defined in a profile of ISO 8601 [W3CDTF] and follows the YYYY-MM-DD format.
References: [W3CDTF] <http://www.w3.org/TR/NOTE-datetime>
Type of Term: element
Status: recommended
Date Issued: 1999-07-02

Term Name: type
URI: <http://purl.org/dc/elements/1.1/type>
Label: Resource Type
Definition: The nature or genre of the content of the resource.
Comment: Type includes terms describing general categories, functions, genres, or aggregation levels for content. Recommended best practice is to select a value from a controlled vocabulary (for example, the DCMI Type Vocabulary [DCMITYPE]). To describe the physical or digital manifestation of the resource, use the Format element.
References: [DCMITYPE] <http://dublincore.org/documents/dcmi-type-vocabulary/>
Type of Term: element
Status: recommended
Date Issued: 1999-07-02

Term Name: format
URI: <http://purl.org/dc/elements/1.1/format>
Label: Format
Definition: The physical or digital manifestation of the resource.
Comment: Typically, Format may include the media-type or dimensions of the resource. Format may be used to determine the software, hardware or other equipment needed to display or operate the resource. Examples of dimensions include size and duration. Recommended best practice is to select a value from a controlled vocabulary (for example, the list of Internet Media Types [MIME] defining computer media formats).

References: [MIME]
<http://www.isi.edu/in-notes/iana/assignments/media-types/media-types>
Type of Term: element
Status: recommended
Date Issued: 1999-07-02

Term Name: identifier
URI: <http://purl.org/dc/elements/1.1/identifier>
Label: Resource Identifier
Definition: An unambiguous reference to the resource within a given context.
Comment: Recommended best practice is to identify the resource by means of a string or number conforming to a formal identification system. Example formal identification systems include the Uniform Resource Identifier (URI) (including the Uniform Resource Locator (URL)), the Digital Object Identifier (DOI) and the International Standard Book Number (ISBN).
Type of Term: element
Status: recommended
Date Issued: 1999-07-02

Term Name: creator
URI: <http://purl.org/dc/elements/1.1/creator>
Label: Creator
Definition: An entity primarily responsible for making the content of the resource.
Comment: Examples of a Creator include a person, an organisation, or a service. Typically, the name of a Creator should be used to indicate the entity.
Type of Term: element
Status: recommended
Date Issued: 1999-07-02

Term Name: contributor
URI: <http://purl.org/dc/elements/1.1/contributor>
Label: Contributor
Definition: An entity responsible for making contributions to the content of the resource.
Comment: Examples of a Contributor include a person, an organisation, or a service. Typically, the name of a Contributor should be used to indicate the entity.
Type of Term: element
Status: recommended
Date Issued: 1999-07-02

Term Name: publisher
URI: <http://purl.org/dc/elements/1.1/publisher>
Label: Publisher
Definition: An entity responsible for making the resource available
Comment: Examples of a Publisher include a person, an organisation, or a service. Typically, the name of a Publisher should be used to indicate the entity.
Type of Term: element
Status: recommended
Date Issued: 1999-07-02

Term Name: source

URI: <http://purl.org/dc/elements/1.1/source>

Label: Source

Definition: A reference to a resource from which the present resource is derived.

Comment: The present resource may be derived from the Source resource in whole or in part. Recommended best practice is to reference the resource by means of a string or number conforming to a formal identification system.

Type of Term: element

Status: recommended

Date Issued: 1999-07-02

Term Name: language

URI: <http://purl.org/dc/elements/1.1/language>

Label: Language

Definition: A language of the intellectual content of the resource.

Comment: Recommended best practice is to use RFC 3066 [RFC3066], which, in conjunction with ISO 639 [ISO639], defines two- and three-letter primary language tags with optional subtags. Examples include "en" or "eng" for English, "akk" for Akkadian, and "en-GB" for English used in the United Kingdom.

References: [RFC3066] <http://www.ietf.org/rfc/rfc3066.txt>

References: [ISO639] <http://www.loc.gov/standards/iso639-2/>

Type of Term: element

Status: recommended

Date Issued: 1999-07-02

Term Name: relation

URI: <http://purl.org/dc/elements/1.1/relation>

Label: Relation

Definition: A reference to a related resource.

Comment: Recommended best practice is to reference the resource by means of a string or number conforming to a formal identification system.

Type of Term: element

Status: recommended

Date Issued: 1999-07-02

Term Name: coverage

URI: <http://purl.org/dc/elements/1.1/coverage>

Label: Coverage

Definition: The extent or scope of the content of the resource.

Comment: Coverage will typically include spatial location (a place name or geographic coordinates), temporal period (a period label, date, or date range) or jurisdiction (such as a named administrative entity). Recommended best practice is to select a value from a controlled vocabulary (for example, the Thesaurus of Geographic Names [TGN]) and that, where appropriate, named places or time periods be used in preference to numeric identifiers such as sets of coordinates or date ranges.

References: [TGN]

<http://www.getty.edu/research/tools/vocabulary/tgn/index.html>

Type of Term: element

Status: recommended

Date Issued: 1999-07-02

Term Name: rights

URI: <http://purl.org/dc/elements/1.1/rights>

Label: Rights Management

Definition: Information about rights held in and over the resource.

Comment: Typically, a Rights element will contain a rights management statement for the resource, or reference a service providing such information. Rights information often encompasses Intellectual Property Rights (IPR), Copyright, and various Property Rights. If the Rights element is absent, no assumptions can be made about the status of these and other rights with respect to the resource.

Type of Term: element

Status: recommended

Date Issued: 1999-07-02

Term Name: created

URI: <http://purl.org/dc/terms/created>

Label: Created

Definition: Date of creation of the resource.

Type of Term: element-refinement

Refines: <http://purl.org/dc/elements/1.1/date>

Status: recommended

Date Issued: 2000-07-11

Term Name: isVersionOf

URI: <http://purl.org/dc/terms/isVersionOf>

Label: Is Version Of

Definition: The described resource is a version, edition, or adaptation of the referenced resource. Changes in version imply substantive changes in content rather than differences in format.

Type of Term: element-refinement

Refines: <http://purl.org/dc/elements/1.1/relation>

Status: recommended

Date Issued: 2000-07-11