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5.1. Complex type CategorizedSubjectAttributeDesignatorType

- 4 The CategorizedSubjectAttributeDesignatorType complex type that extends the
- 5 AttributeDesignatorType complex type. It is the base type for elements and extensions that refer
- 6 to named categorized subject attributes. A named categorized subject attribute is defined as
- 7 follows:
- 8 A **subject** is represented by a <Subject> element of the <Subjects> element the <xacml-
- 9 context:Request> element. Each <Subject> element SHALL contain one and only one
- 10 attribute with an AttributeId attribute that is equal to urn:oasis:tc:xacml:1.0:subject-
- 11 category. This attribute is called the *subject category attribute*. The DataType attribute of the
- 12 subject category attribute SHALL be equal to http://www.w3.org/2001/XML-Schema-
- 13 instance#string.
- 14 A categorized subject a subject that is identified by a particular subject category attribute.
- 15 A *subject attribute* is an *attribute* of a particular *subject*, i.e. located within a <subject>
- 16 element.
- 17 A named subject attribute is a named attribute for a subject.
- 18 A named categorized subject attribute is a named subject attribute for a particular categorized
- 19 subject.
- 20 The CategorizedSubjectAttributeDesignatorType complex type extends the
- 21 AttributeDesignatorType with a SubjectCategory attribute. The
- 22 CategorizedSubjectAttributeDesignatorType extends the match semantics of the
- 23 AttributeDesignatorType such that it narrows the attribute search space to the specific
- 24 categorized subject such that value of the SubjectCategory attribute matches by string
- 25 equality the value of the subject's **subject category attribute**.
- 26 If there are multiple subjects with the same subject category attribute, they are treated as if they
- 27 were one *categorized subject*.
- 28 Elements and extensions of the CategorizedSubjectAttributeDesignatorType complex type
- 29 determine the presence or select attribute values associated with named categorized subject
- 30 attributes. Elements and extensions of the CategorizedSubjectAttributeDesignatorType SHALL
- 31 NOT alter the match semantics of *named categorized subject attributes*, but MAY narrow the
- 32 search space.

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46 47	The <categorizedsubjectattributedesignatortype> complex type contains the following attribute in addition to the attributes of the AttributeDesignatorType complex type:</categorizedsubjectattributedesignatortype>
48	SubjectCategory [Optional]
49 50 51	This attribute SHALL specify the <i>categorized subject</i> from which to match <i>named subject attributes</i> . If SubjectCategory is not supplied, its default value SHALL urn:oasis:tc:xacml:1.0:subject-category:access-subject.
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