

**NAME**

ADMISSIONS, ADMISSIONS\_get0\_admissionAuthority, ADMISSIONS\_get0\_namingAuthority, ADMISSIONS\_get0\_professionInfos, ADMISSIONS\_set0\_admissionAuthority, ADMISSIONS\_set0\_namingAuthority, ADMISSIONS\_set0\_professionInfos, ADMISSION\_SYNTAX, ADMISSION\_SYNTAX\_get0\_admissionAuthority, ADMISSION\_SYNTAX\_get0\_contentsOfAdmissions, ADMISSION\_SYNTAX\_set0\_admissionAuthority, ADMISSION\_SYNTAX\_set0\_contentsOfAdmissions, NAMING\_AUTHORITY, NAMING\_AUTHORITY\_get0\_authorityId, NAMING\_AUTHORITY\_get0\_authorityURL, NAMING\_AUTHORITY\_get0\_authorityText, NAMING\_AUTHORITY\_set0\_authorityId, NAMING\_AUTHORITY\_set0\_authorityURL, NAMING\_AUTHORITY\_set0\_authorityText, PROFESSION\_INFO, PROFESSION\_INFOS, PROFESSION\_INFO\_get0\_addProfessionInfo, PROFESSION\_INFO\_get0\_namingAuthority, PROFESSION\_INFO\_get0\_professionItems, PROFESSION\_INFO\_get0\_professionOIDs, PROFESSION\_INFO\_get0\_registrationNumber, PROFESSION\_INFO\_set0\_addProfessionInfo, PROFESSION\_INFO\_set0\_namingAuthority, PROFESSION\_INFO\_set0\_professionItems, PROFESSION\_INFO\_set0\_professionOIDs, PROFESSION\_INFO\_set0\_registrationNumber - Accessors and setters for ADMISSION\_SYNTAX

**SYNOPSIS**

```
typedef struct NamingAuthority_st NAMING_AUTHORITY;
typedef struct ProfessionInfo_st PROFESSION_INFO;
typedef STACK_OF(PROFESSION_INFO) PROFESSION_INFOS;
typedef struct Admissions_st ADMISSIONS;
typedef struct AdmissionSyntax_st ADMISSION_SYNTAX;

const ASN1_OBJECT *NAMING_AUTHORITY_get0_authorityId(
    const NAMING_AUTHORITY *n);
void NAMING_AUTHORITY_set0_authorityId(NAMING_AUTHORITY *n,
    ASN1_OBJECT* namingAuthorityId);
const ASN1_IA5STRING *NAMING_AUTHORITY_get0_authorityURL(
    const NAMING_AUTHORITY *n);
void NAMING_AUTHORITY_set0_authorityURL(NAMING_AUTHORITY *n,
    ASN1_IA5STRING* namingAuthorityUrl);
const ASN1_STRING *NAMING_AUTHORITY_get0_authorityText(
    const NAMING_AUTHORITY *n);
void NAMING_AUTHORITY_set0_authorityText(NAMING_AUTHORITY *n,
    ASN1_STRING* namingAuthorityText);

const GENERAL_NAME *ADMISSION_SYNTAX_get0_admissionAuthority(
    const ADMISSION_SYNTAX *as);
```

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void ADMISSION_SYNTAX_set0_admissionAuthority(
    ADMISSION_SYNTAX *as, GENERAL_NAME *aa);
const STACK_OF(ADMISSIONS) *ADMISSION_SYNTAX_get0_contentsOfAdmissions(
    const ADMISSION_SYNTAX *as);
void ADMISSION_SYNTAX_set0_contentsOfAdmissions(
    ADMISSION_SYNTAX *as, STACK_OF(ADMISSIONS) *a);

const GENERAL_NAME *ADMISSIONS_get0_admissionAuthority(const ADMISSIONS *a);
void ADMISSIONS_set0_admissionAuthority(ADMISSIONS *a, GENERAL_NAME *aa);
const NAMING_AUTHORITY *ADMISSIONS_get0_namingAuthority(const ADMISSIONS *a);
void ADMISSIONS_set0_namingAuthority(ADMISSIONS *a, NAMING_AUTHORITY *na);
const PROFESSION_INFOS *ADMISSIONS_get0_professionInfos(const ADMISSIONS *a);
void ADMISSIONS_set0_professionInfos(ADMISSIONS *a, PROFESSION_INFOS *pi);

const ASN1_OCTET_STRING *PROFESSION_INFO_get0_addProfessionInfo(
    const PROFESSION_INFO *pi);
void PROFESSION_INFO_set0_addProfessionInfo(
    PROFESSION_INFO *pi, ASN1_OCTET_STRING *aos);
const NAMING_AUTHORITY *PROFESSION_INFO_get0_namingAuthority(
    const PROFESSION_INFO *pi);
void PROFESSION_INFO_set0_namingAuthority(
    PROFESSION_INFO *pi, NAMING_AUTHORITY *na);
const STACK_OF(ASN1_STRING) *PROFESSION_INFO_get0_professionItems(
    const PROFESSION_INFO *pi);
void PROFESSION_INFO_set0_professionItems(
    PROFESSION_INFO *pi, STACK_OF(ASN1_STRING) *as);
const STACK_OF(ASN1_OBJECT) *PROFESSION_INFO_get0_professionOIDs(
    const PROFESSION_INFO *pi);
void PROFESSION_INFO_set0_professionOIDs(
    PROFESSION_INFO *pi, STACK_OF(ASN1_OBJECT) *po);
const ASN1_PRINTABLESTRING *PROFESSION_INFO_get0_registrationNumber(
    const PROFESSION_INFO *pi);
void PROFESSION_INFO_set0_registrationNumber(
    PROFESSION_INFO *pi, ASN1_PRINTABLESTRING *rn);

```

**DESCRIPTION**

The **PROFESSION\_INFOS**, **ADMISSION\_SYNTAX**, **ADMISSIONS**, and **PROFESSION\_INFO** types are opaque structures representing the analogous types defined in the Common PKI Specification published by <<https://www.t7ev.org>>. Knowledge of those structures and their semantics is assumed.

The conventional routines to convert between DER and the local format are described in **d2i\_X509(3)**. The conventional routines to allocate and free the types are defined in **X509\_dup(3)**.

The **PROFESSION\_INFOS** type is a stack of **PROFESSION\_INFO**; see **DEFINE\_STACK\_OF(3)** for details.

The **NAMING\_AUTHORITY** type has an authority ID and URL, and text fields. The **NAMING\_AUTHORITY\_get0\_authorityId()**, **NAMING\_AUTHORITY\_get0\_get0\_authorityURL()**, and **NAMING\_AUTHORITY\_get0\_get0\_authorityText()**, functions return pointers to those values within the object. The **NAMING\_AUTHORITY\_set0\_authorityId()**, **NAMING\_AUTHORITY\_set0\_get0\_authorityURL()**, and **NAMING\_AUTHORITY\_set0\_get0\_authorityText()**, functions free any existing value and set the pointer to the specified value.

The **ADMISSION\_SYNTAX** type has an authority name and a stack of **ADMISSION** objects. The **ADMISSION\_SYNTAX\_get0\_admissionAuthority()** and **ADMISSION\_SYNTAX\_get0\_contentsOfAdmissions()** functions return pointers to those values within the object. The **ADMISSION\_SYNTAX\_set0\_admissionAuthority()** and **ADMISSION\_SYNTAX\_set0\_contentsOfAdmissions()** functions free any existing value and set the pointer to the specified value.

The **ADMISSION** type has an authority name, authority object, and a stack of **PROFESSION\_INFO** items. The **ADMISSIONS\_get0\_admissionAuthority()**, **ADMISSIONS\_get0\_namingAuthority()**, and **ADMISSIONS\_get0\_professionInfos()** functions return pointers to those values within the object. The **ADMISSIONS\_set0\_admissionAuthority()**, **ADMISSIONS\_set0\_namingAuthority()**, and **ADMISSIONS\_set0\_professionInfos()** functions free any existing value and set the pointer to the specified value.

The **PROFESSION\_INFO** type has a name authority, stacks of profession Items and OIDs, a registration number, and additional profession info. The functions **PROFESSION\_INFO\_get0\_addProfessionInfo()**, **PROFESSION\_INFO\_get0\_namingAuthority()**, **PROFESSION\_INFO\_get0\_professionItems()**, **PROFESSION\_INFO\_get0\_professionOIDs()**, and **PROFESSION\_INFO\_get0\_registrationNumber()** functions return pointers to those values within the object. The **PROFESSION\_INFO\_set0\_addProfessionInfo()**, **PROFESSION\_INFO\_set0\_namingAuthority()**, **PROFESSION\_INFO\_set0\_professionItems()**, **PROFESSION\_INFO\_set0\_professionOIDs()**, and **PROFESSION\_INFO\_set0\_registrationNumber()** functions free any existing value and set the pointer to the specified value.

## RETURN VALUES

Described above. Note that all of the *get0* functions return a pointer to the internal data structure and

must not be freed.

**SEE ALSO**

**X509\_dup(3)**, **d2i\_X509(3)**,

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