

**NAME**

OSSL\_CRMF\_MSG\_get0\_regInfo\_utf8Pairs, OSSL\_CRMF\_MSG\_set1\_regInfo\_utf8Pairs, OSSL\_CRMF\_MSG\_get0\_regInfo\_certReq, OSSL\_CRMF\_MSG\_set1\_regInfo\_certReq - functions getting or setting CRMF Registration Info

**SYNOPSIS**

```
#include <openssl/crmf.h>
```

```
ASN1_UTF8STRING
```

```
*OSSL_CRMF_MSG_get0_regInfo_utf8Pairs(const OSSL_CRMF_MSG *msg);  
int OSSL_CRMF_MSG_set1_regInfo_utf8Pairs(OSSL_CRMF_MSG *msg,  
                                         const ASN1_UTF8STRING *utf8pairs);
```

```
OSSL_CRMF_CERTREQUEST
```

```
*OSSL_CRMF_MSG_get0_regInfo_certReq(const OSSL_CRMF_MSG *msg);  
int OSSL_CRMF_MSG_set1_regInfo_certReq(OSSL_CRMF_MSG *msg,  
                                       const OSSL_CRMF_CERTREQUEST *cr);
```

**DESCRIPTION**

**OSSL\_CRMF\_MSG\_get0\_regInfo\_utf8Pairs()** returns the first utf8Pairs regInfo in the given *msg*, if present.

**OSSL\_CRMF\_MSG\_set1\_regInfo\_utf8Pairs()** adds a copy of the given *utf8pairs* value as utf8Pairs regInfo to the given *msg*. See RFC 4211 section 7.1.

**OSSL\_CRMF\_MSG\_get0\_regInfo\_certReq()** returns the first certReq regInfo in the given *msg*, if present.

**OSSL\_CRMF\_MSG\_set1\_regInfo\_certReq()** adds a copy of the given *cr* value as certReq regInfo to the given *msg*. See RFC 4211 section 7.2.

**RETURN VALUES**

All get0\_\*(\*) functions return the respective pointer value, NULL if not present.

All set1\_\*(\*) functions return 1 on success, 0 on error.

**NOTES**

Calling the set1\_\*(\*) functions multiple times adds multiple instances of the respective control to the regInfo structure of the given *msg*. While RFC 4211 expects multiple utf8Pairs in one regInfo structure, it does not allow multiple certReq.

**SEE ALSO**

RFC 4211

**HISTORY**

The OpenSSL CRMF support was added in OpenSSL 3.0.

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