NAME

ECPKParameters_print, ECPKParameters_print_fp − Functions for decoding and encoding ASN1 representations of elliptic curve entities

SYNOPSIS

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

The following functions have been deprecated since OpenSSL 3.0, and can be hidden entirely by defining **OPENSSL_API_COMPAT** with a suitable version value, see **openssl_user_macros**(7):

```
int ECPKParameters_print(BIO *bp, const EC_GROUP *x, int off);
int ECPKParameters_print_fp(FILE *fp, const EC_GROUP *x, int off);
```

DESCRIPTION

All of the functions described on this page are deprecated. Applications should instead use **EVP_PKEY_print_params**(3)

The ECPKParameters represent the public parameters for an **EC_GROUP** structure, which represents a curve.

The **ECPKParameters_print()** and **ECPKParameters_print_fp()** functions print a human−readable output of the public parameters of the EC_GROUP to **bp** or **fp**. The output lines are indented by **off** spaces.

RETURN VALUES

ECPKParameters_print() and **ECPKParameters_print_fp()** return 1 for success and 0 if an error occurs.

SEE ALSO

crypto(7), **EC_GROUP_new**(3), **EC_GROUP_copy**(3), **EC_POINT_new**(3), **EC_POINT_add**(3), **EC_KEY_new**(3), **EC_GFp_simple_method**(3),

HISTORY

All of these functions were deprecated in OpenSSL 3.0.

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