

Submitter:CFP group

Submission Date: 2020-08-03

Document: WG14 N2547

Title: N2547: Missing 'const' in decimal getpayload functions

Reference Documents: N2478, N2341

Summary: 'const' is missing from the decimal getpayload functions.

The binary getpayload functions (WG14 N2478 Annex B.11 and F.10.13.1):

```
double getpayload(const double *x);
float getpayloadf(const float *x);
long double getpayloadl(const long double *x);
```

have 'const' in the parameter.

While the corresponding decimal functions:

```
_Decimal32 getpayloadadd32(_Decimal32 *x);
_Decimal64 getpayloadadd64(_Decimal64 *x);
_Decimal128 getpayloadadd128(_Decimal128 *x);
```

are missing that 'const'. That 'const' is there in N2341 (TS 18661-2) from CFP that was voted to be added to C2X. This looks like a minor typo in merging N2341 into C2X.

'const' should be added to the three decimal getpayloaddN functions as:

```
_Decimal32 getpayloadadd32(const _Decimal32 *x);
_Decimal64 getpayloadadd64(const _Decimal64 *x);
_Decimal128 getpayloadadd128(const _Decimal128 *x);
```