

# TPGETRPLY(3)

REVISION HISTORY			
NUMBER	DATE	DESCRIPTION	NAME

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## Chapter 1

# SYNOPSIS

```
#include <atmi.h>
```

```
int tpgetrply(int *cd, char **data, long *len, long flags);
```

For XATMI client link with *-latmiclt -latmi -lubf -lnstd -lpthread -lrt -lm*

For XATMI server link with *-latmisrvl -latmisrvnomainl -latmisrvinteg -latmi -lubf -lnstd -lpthread -lrt -lm*

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## Chapter 2

# DESCRIPTION

Get the response from asynchronous service call. The *cd* is pointer to call descriptor to which value might be set, in that case only matched reply is returned, other messages are dropped. *data* and *len* are field used for storing the reply messages. Fields must be allocated by **tpalloc()**. In case if **TPGETANY** flag is used, then any first response which is received is returned to user application.

### Valid flags

**TPGETANY** Return first response message received. The connection identifier is stored into *cd*.

**TPNOBLOCK** Do not block for waiting on response message. Instead function returns with *cd* equals to 0. And function return result is SUCCEED (0).

**TPSIGRSTR** Restart the system call in progress if interrupted by signal handler. This affects only underlying *mq\_\** function calls.

**TPNOTIME** Ignore timeout setting (**NDRX\_TOUT** env variable). Wait for reply for indefinitely.

**TPNOCHANGE** Do not allow to change the reply buffer type. If flag is set and different buffer type is received than original, then error **TPEINVAL** is returned.

## Chapter 3

# RETURN VALUE

On success, **tpgetrply()** returns 0; on error, -1 is returned, with **tperrno** set to indicate the error.

## Chapter 4

# ERRORS

Note that **tpsterror()** for last calls returns generic error message plus custom message with debug info from last call.

**TPEINVAL** Invalid parameter is given to function. Particularly pointer parameters are NULL.

**TPETIME** Service did not reply in given time (*NDRX\_TOUT* time).

**TPESVCFAIL** Service returned *TPFAIL*. This is application level failure.

**TPESVCERR** System level service failure. Server died during the message presence in service queue.

**TPESYSTEM** System failure occurred during serving. See logs i.e. user log, or debugs for more info.

**TPEOS** System failure occurred during serving. See logs i.e. user log, or debugs for more info.

## Chapter 5

# EXAMPLE

See `atmitest/test018_tpacalltout/atmict18.c` for sample code.



## Chapter 6

# BUGS

Report bugs to [madars.vitolins@gmail.com](mailto:madars.vitolins@gmail.com)

## Chapter 7

## SEE ALSO

**tpcall(3)** **tpacall(3)**

## **Chapter 8**

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