4.4.8   MCAPI_PKTCHAN_AVAILABLE

NAME

mcapi_pktchan_available – checks if packets are available on a receive endpoint.

SYNOPSIS

```
#include <mcapi.h>

mcapi_uint_t mcapi_pktchan_available(
    MCAPI_IN mcapi_pktchan_recv_hndl_t receive_handle,
    MCAPI_OUT mcapi_status_t* mcapi_status
);
```

DESCRIPTION

Checks if packets are available on a receive endpoint.   This function returns in a timely fashion. The number of available packets is defined as the number of receive operations that could be performed without blocking to wait for incoming data. `receive_handle` is the local handle for the packet channel. The call only checks the availability of packets and does not dequeue them.

RETURN VALUE

On success, the number of available packets are returned and *mcapi_status is set to MCAPI_SUCCESS. On error, MCAPI_NULL (or 0)is returned and *mcapi_status is set to the appropriate error defined below. MCAPI_NULL (or 0) could be a valid number of available packets, so status has to be checked to ensure correctness.

ERRORS

MCAPI_ERR_NODE_NOTINIT	The node is not initialized.
MCAPI_ERR_CHAN_INVALID	Argument is not a channel handle.
MCAPI_ERR_GENERAL	Implementation specific error not covered by other status codes. Specifics must be documented.

NOTE

The status code must be checked to distinguish between no messages and an error condition.