NAME

mac_tx_update, **mac_tx_ring_update -** indicate that a device can transmit again

SYNOPSIS

#include <sys/mac_provider.h>

void
mac_tx_update(*mac_handle_t mh*);

void
mac_tx_ring_update(*mac_handle_t mh, mac_ring_handle_t mrh*);

INTERFACE LEVEL

illumos DDI specific

The **mac_tx_ring_update**() function point is **Evolving**. API and ABI stability is not guaranteed.

PARAMETERS

mh The MAC handle obtained from a call to mac_register(9F).

mrh The MAC ring handle obtained when the driver's ring entry point mr_rget(9E) was called.

DESCRIPTION

The **mac_tx_update**() function is used by device drivers to indicate that the device represented by the handle *mh* can transmit data again. It should only be called after the device driver has returned data from its mc_tx(9E) endpoint. For more information on when this should be called, see both mc_tx(9E) and the *Transmitting Data and Back Pressure* section of mac(9E).

Device drivers should not hold any of their own locks when calling into this function. See the *MAC Callbacks* section of mac(9E) for more information.

When a driver has negotiated the MAC_CAPAB_RINGS capability and indicated that it supports transmit groups, it must not use the **mac_tx_update**() function and should instead call the **mac_tx_ring_update**() function targeting a specific ring instead. The ring that is being updated is specified by the ring handle passed in the *mrh* argument. The ring should have previously returned frames from its mri_tx(9E) entry point to indicate that it was blocked.

In all other respects, the **mac_tx_ring_update**() function is similar to the **mac_tx_update**() function.

CONTEXT

The **mac_tx_update**() function may be called from **user**, **kernel**, or **interrupt** context.

SEE ALSO

mac(9E), mac_capab_rings(9E), mac_tx(9E), mc_tx(9E), mr_rget(9E), mri_tx(9E), mac_register(9F)