NAME

mac_transceiver_info, **mac_transceiver_info_set_kind**, **mac_transceiver_info_set_present**, **mac_transceiver_info_set_usable** - set MAC transceiver property information

SYNOPSIS

#include <sys/mac_provider.h>

void
mac_transceiver_set_type(*mac_transceiver_info_t *infop, mac_transceiver_kind_t kind*);

void
mac_transceiver_info_set_present(*mac_transceiver_info_t *infop, boolean_t present*);

void
mac_transceiver_info_set_usable(*mac_transceiver_info_t *infop, boolean_t usable*);

INTERFACE LEVEL

Evolving - This interface is evolving still in illumos. API and ABI stability is not guaranteed.

PARAMETERS

infop A pointer to an opaque structure obtained as an argument to the mct_info(9E) entry point.

kind An enumeration that indicates the kind of transceiver present.

present A boolean that indicates whether the transceiver is present.

usable A boolean that indicates whether the transceiver is usable.

DESCRIPTION

The **mac_transceiver_set_type**(), **mac_transceiver_set_present**(), and **mac_transceiver_set_usable**() functions are used to set information about a transceiver as part of the mct_info(9E) entry point to obtain information about a MAC transceiver. For more information and background, see the **Transceiver Information Functions** section of mac_capab_transceiver(9E).

The **mct_transceiver_set_type**() function sets the transceiver's type. A list of valid values for the type is available in mac_capab_transceiver(9E).

The **mct_transceiver_set_present**() function sets whether or not the transceiver is present and plugged into the system. If the transceiver is not plugged in, then the function should be called with *present set to*

B_FALSE, otehrwise it should use B_TRUE.

The **mct_transceiver_set_usable**() function determines whether or not the device can use the transceiver. If the device cannot use the transceiver, then it should call the function with *usable* set to B_FALSE. Otherwise, it should use B_TRUE. If the transceiver is not present, then this function should not be called.

CONTEXT

These functions should be called in response to handling the **mct_info**(*9E*) entry point for transceivers in **kernel** context.

SEE ALSO

mac(9E), mac_capab_transceiver(9E), mct_info(9E)