

**NAME**

`ibv_rate_to_mbps` - convert IB rate enumeration to Mbit/sec

`mbps_to_ibv_rate` - convert Mbit/sec to an IB rate enumeration

**SYNOPSIS**

```
#include <infiniband/verbs.h>
```

```
int ibv_rate_to_mbps(enum ibv_rate rate);
```

```
enum ibv_rate mbps_to_ibv_rate(int mbps);
```

**DESCRIPTION**

`ibv_rate_to_mbps()` converts the IB transmission rate enumeration *rate* to a number of Mbit/sec. For example, if *rate* is **IBV\_RATE\_5\_GBPS**, the value 5000 will be returned (5 Gbit/sec = 5000 Mbit/sec).

`mbps_to_ibv_rate()` converts the number of Mbit/sec *mult* to an IB transmission rate enumeration. For example, if *mult* is 5000, the rate enumeration **IBV\_RATE\_5\_GBPS** will be returned.

**RETURN VALUE**

`ibv_rate_to_mbps()` returns the number of Mbit/sec.

`mbps_to_ibv_rate()` returns the enumeration representing the IB transmission rate.

**SEE ALSO**

`ibv_query_port(3)`

**AUTHORS**

Dotan Barak <dotanb@dev.mellanox.co.il>