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Identification

Appendix to The Locker Facility, BQ.7.00
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Discussion

The design of the--now implemented--Locker facility has been slightly modified.

The changes are the following:

1. The Locker now resides in all rings.

2. The Status-return and wait_sw arguments are now defined as fixed binary (instead of bit string).

The calling sequences are:

```
call locker$wait(lock_ptr,wait_sw,time_limit_status);
call locker$try(lock_ptr,ev_chn,wait_sw,time_limit,status);
call locker$reset(lock_ptr);

declare lock_ptr pointer, ev_chn bit(70), (wait_sw,time_limit,
     status) fixed bin(17);
```

The status-return can assume the following values:

0 = lock successfully set

(all other values indicate that the lock could not be set, because:)

1 = it has previously been locked by this process (attempted recursive locking)

2 = something has gone wrong

3 = `time_limit' has elapsed.