To: Members of NCITS T10

From: Erich Oetting

Re: Connected media changer bit in SMC-2.

This proposal defines a new bit (CMC, byte 1 bit 6) in the import/export element descriptor that indicates the element exchanges media with another media changer. It also clarifies that exchanges between media changers are not controlled by the PREVENT ALLOW MEDIA REMOVAL command.

Table 14 - Import/export element descriptor

```
+=====-========-========-========-========-========-========-========-========+
| Bit|   7    |   6    |   5    |   4    |   3    |   2    |   1    |   0    |
|Byte |        |        |        |        |        |        |        |        |
|=====+=======================================================================|
| 0  |                                                                        |
|-----+--                        ELEMENT ADDRESS                          --|
| 1  |                                                                        |
|-----+-----------------------------------------------------------------------|
| 2  | Rsvd  |  CMC   | INENAB | EXENAB | ACCESS | EXCEPT | IMPEXP |  FULL  |
|-----+-----------------------------------------------------------------------|
| 3  |                            Reserved                                    |
|-----+-----------------------------------------------------------------------|
                       (no change to remainer of table)
```

A CMC bit of one indicates that exports are to a connected media changer's domain and imports are from a connected media changer's domain. A CMC bit of zero indicates that exports are to the operator's domain and imports are from the operator's domain.

If the CMC bit is zero, media shall not leave the domain of the media changer when prevented by the PREVENT ALLOW MEDIA REMOVAL command (see SPC). If the CMC bit is one, the PREVENT ALLOW MEDIA REMOVAL command shall not prevent export operations to a connected media changer.