SPC-4 CDB Encapsulation

Alternatives

Because everybody wants to see the Encapsulated CDB
Why?

The March CAP WG universally expressed a desire to see the original CDB in any ESC CDB (see 07-029r1), so …

☆ Here is a way to do that

✗ Which could be viewed as totally incompatible with the Encapsulated Security Protocol inspiration for the original plan
### Possible ESC CDB Format(s)

<table>
<thead>
<tr>
<th>7Eh</th>
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<tbody>
<tr>
<td>Original CDB</td>
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<tr>
<td>7Eh Encapsulation Descriptors</td>
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</tbody>
</table>

This format used only when CDB is encrypted
Notes

🌟 Positives

✦ Unencrypted CDB always visible
✦ Encryption still possible using traditional ESP format
✦ Put whole ESP in Encapsulation Desc.

✗ Negatives

✗ ESP-format integrity checks are impossible
✗ Might be cart before the horse
Related Ideas
(very random)

★ 7Eh 7Eh works because ESC CDB cannot be inside an ESC CDB

★ Specify exact Encapsulation Desc. order in SPC-4
  ✔ Newer last
  ✔ Encrypted CDB very very last
  ✫ Solves 'new encapsulation' problem