

# **Universal Serial Bus Content Security Method 1 Basic Authentication Protocol**

**MICROSOFT CORPORATION**

**USB 1.0 Release Candidate**

**Revision 0.9**

**January 25, 2000**

<p><b>For Review and Discussion Only</b> Draft Document Subject to Revision or Rejection <b>Not For Publication or General Distribution</b></p>
---

## Revision History

Revision	Date	Filename	Author	Description
.9	01/25/2000		Evrin Peretz	Promotion to .9 USB DWG
0.8a	12/23/99	cms1_v0_8	Ervin Peretz	Replaced Command/Response with specification for one URB that retrieves unique id.
0.7	09/27/1999	csm1_v0_7		Separated CSM Appendices into individual CSM specification per Sept 1999 CSWG meeting

**For Review and Discussion Only**  
 Draft Document Subject to Revision or Rejection  
**Not For Publication or General Distribution**

## Contributors

Tom Jones	Microsoft
Mark Williams	Microsoft
Ervin Peretz	Microsoft
Billy Brackenridge	Microsoft

Universal Serial Bus Class Definitions  
Copyright © 1999 by Microsoft Corporation  
All rights reserved.

### INTELLECTUAL PROPERTY DISCLAIMER

THIS SPECIFICATION IS PROVIDED "AS IS" WITH NO WARRANTIES WHATSOEVER INCLUDING ANY WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR ANY WARRANTY OTHERWISE ARISING OUT OF ANY PROPOSAL, SPECIFICATION, OR SAMPLE.

A LICENSE IS HEREBY GRANTED TO REPRODUCE AND DISTRIBUTE THIS SPECIFICATION FOR INTERNAL USE ONLY. NO OTHER LICENSE, EXPRESS OR IMPLIED, BY ESTOPPEL OR OTHERWISE, TO ANY OTHER INTELLECTUAL PROPERTY RIGHTS IS GRANTED OR INTENDED HEREBY.

AUTHORS OF THIS SPECIFICATION DISCLAIM ALL LIABILITY, INCLUDING LIABILITY FOR INFRINGEMENT OF PROPRIETARY RIGHTS, RELATING TO IMPLEMENTATION OF INFORMATION IN THIS SPECIFICATION. AUTHORS OF THIS SPECIFICATION ALSO DO NOT WARRANT OR REPRESENT THAT SUCH IMPLEMENTATION(S) WILL NOT INFRINGE SUCH RIGHTS.

All product names are trademarks, registered trademarks, or servicemarks of their respective owners.

***Please send comments via electronic mail to [ervinp@microsoft.com](mailto:ervinp@microsoft.com) and [tomj@microsoft.com](mailto:tomj@microsoft.com).***

<p>For Review and Discussion Only Draft Document Subject to Revision or Rejection Not For Publication or General Distribution</p>
---

## Table of Contents

Revision History .....	2
Contributors.....	3
Table of Contents .....	4
Basic Authentication Protocol.....	Error! Bookmark not defined.
1 Basic Authentication Protocol Operation.....	5

**For Review and Discussion Only**  
Draft Document Subject to Revision or Rejection  
**Not For Publication or General Distribution**

# 1 Basic Authentication Protocol Operation

This specification is subordinate to the *USB Device Class Definition For Content Security Devices* specification. Refer to the latter with this document. This document describes the basic Content Security Method (CSM) designated as CSM-1.

CSM-1 simply allows the host to retrieve a unique identifier for a *channel*<sup>1</sup>. The host requests a unique identifier using the **Get Unique ID** request. **Get Unique ID** is an interface class request to a Content Security Interface.

**Table 1-1: Get Unique ID Request**

bmRequestType	bRequest	wValue	wIndex	wLength	Data
1 01 00001 B	0x80	0	HByte: Channel ID  LByte: number of the CS interface	0x0100	Device returns unique id of channel as a sequence of bytes representing a little-endian hexadecimal number. The length of the unique id must be at least (decimal) 20 bytes, and not greater than wLength.

<sup>1</sup> For the definition of *channel* and other terms and acronyms used in this document, see the parent specification.

**For Review and Discussion Only**  
 Draft Document Subject to Revision or Rejection  
**Not For Publication or General Distribution**