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To: ANSI X3T9.2 Committee (SCSI)

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Subject: Response to X3T9.2/92-111. (ASC/ASCQ for Data Compression)

In response to Peter Dougherty's committee document on ASC/ASCQ codes for Data Compression - doc X3T9.2/92-111.

I would like to make a few suggestions for the committee to consider and also attempt to get clarification on a couple of points in the document, so here goes...

In the Data Compression Mode Page document (X3T9.2/90-119) which was accepted by the X3T9 plenary in April '91, the committee allocated two ASC/ASCQ codes specifically for Data Compression Check Conditions. These codes are :

BYTE	12	13	DTLPWRSOMC	DESCRIPTION	COMMENTS
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70	NN	T		DECOMPRESSION EXCEPTION SHORT ALGORITHM ID OF NN	ALGORITHM ID <= 255
71	00	T		DECOMPRESSION EXCEPTION LONG ALGORITHM ID	ALGORITHM ID > 255

It would make sense to make all ASC/ASCQ codes pertaining to data compression have the same (or similar) base ASC's. I would suggest that instead of using an ASC of 3Ah, doc X3T9.2/92-111 be modified to use an ASC of 72h which would then fit in nicely with those given above. This ASC could then be used as a base for all data compression ASC/ASCQ codes which may be required in the future.

I would also suggest an additional ASC/ASCQ as follows

72	06			CANNOT DECOMPRESS USING DECLARED ALGORITHM	
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This would be returned in the case where the compressed data which a device is trying to decompress using the declared algorithm (either provided by the host via the Data Compression Mode Page or determined directly by the device from information contained within the format of the compressed data on the media) has a fault in it such that decompression is not possible.