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FROM: Peter Johansson
TO: 1394 Printer Working Group
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RE: PPDT Completion status

A brief discussion at the Denver meeting made it clear that opinions vary as to the legitimate combinations of *resp*, *sbp_status*, *status* and *residual* within an SBP-2 status block that corresponds to a PPDT transport flow or control ORB. I took an action item to prepare a summary of my personal opinions; the results are intended as the starting point of a continued discussion in Raleigh.

Note that a negative value for *residual* may be reported only when the connection was established in datagram mode. In stream mode, the target transfers whatever data it can to the initiator or, in the other direction, waits until it has buffer space to accept all the initiator's data.

<i>resp</i>	<i>sbp_status</i>	<i>status</i>	<i>residual</i>	Comment
REQUEST COMPLETE	0			All the requested data has been transferred
	1 – 6 9 B ₁₆ C ₁₆	Unspecified	Equal to size of data buffer	No data has been transferred; the target obtained the requested transfer length from the ORB or page table.
	8	0	Negative	Possible only in datagram mode: the SDU is too large to be transferred. When the <i>direction</i> bit in the ORB is zero, the maximum SDU is calculated as <i>data_size + residual</i> otherwise the maximum SDU is calculated as <i>data_size - residual</i> .
	FF ₁₆	0	Zero or greater	Data may have been transferred.
TRANSPORT FAILURE	0X ₁₆ 4X ₁₆ CX ₁₆	Unspecified	Unspecified	When a transport failure occurs in the fetch of the ORB or page table it is impossible to determine the requested data transfer length—and therefore impossible to calculate <i>residual</i> .
	2X ₁₆		Zero or greater	A transport failure affecting the data buffer prevented transfer of all data.

<i>resp</i>	<i>sbp_status</i>	<i>status</i>	<i>residual</i>	Comment
ILLEGAL REQUEST	FF ₁₆	Unspecified		No data has been transferred; because the ORB is malformed it is not possible to calculate <i>residual</i> .
VENDOR DEPENDENT	Unspecified			Definition of almost all fields in the status block is left to the device manufacturer.